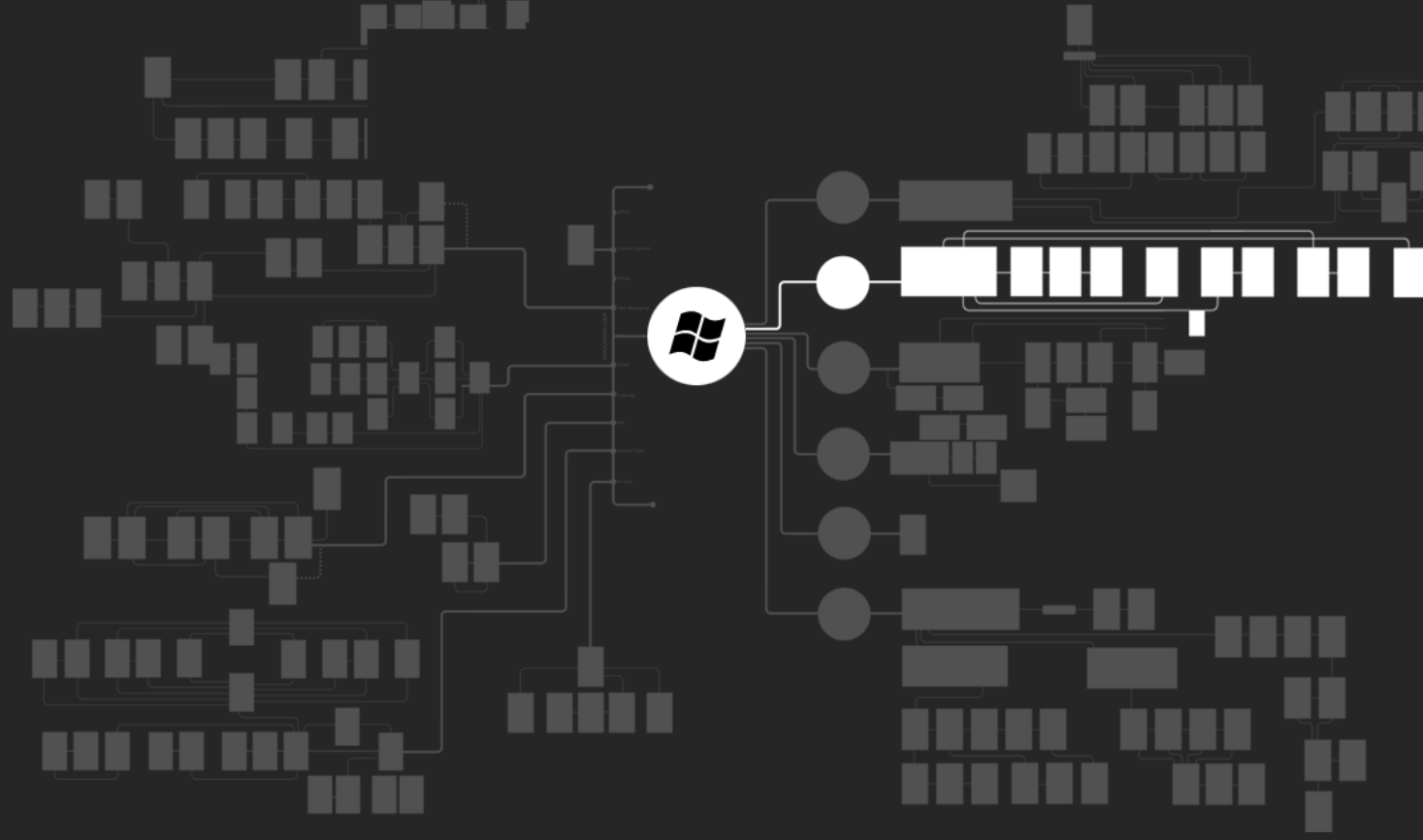


Windows 8 UI

Grzegorz Róg | eduweb.pl

demo

Windows 8

Windows Phone

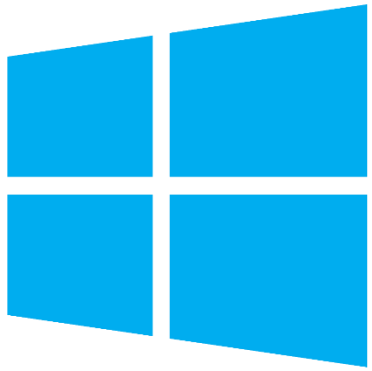
platformy i technologie

Jak działa Windows 8?

I czy naprawdę muszę to wiedzieć…?

Ekosystem Windows

- Szybkość i płynność działania
- Full Screen i 100% szerokości i wysokości dla aplikacji
- Interfejs przystosowany pod ekrany dotykowe
- Aplikacje pracujące razem i wymieniające dane
- Dostępność na wszystkich urządzeniach
  - Tabletach
  - PC-tach i laptopach
  - Smartfonach



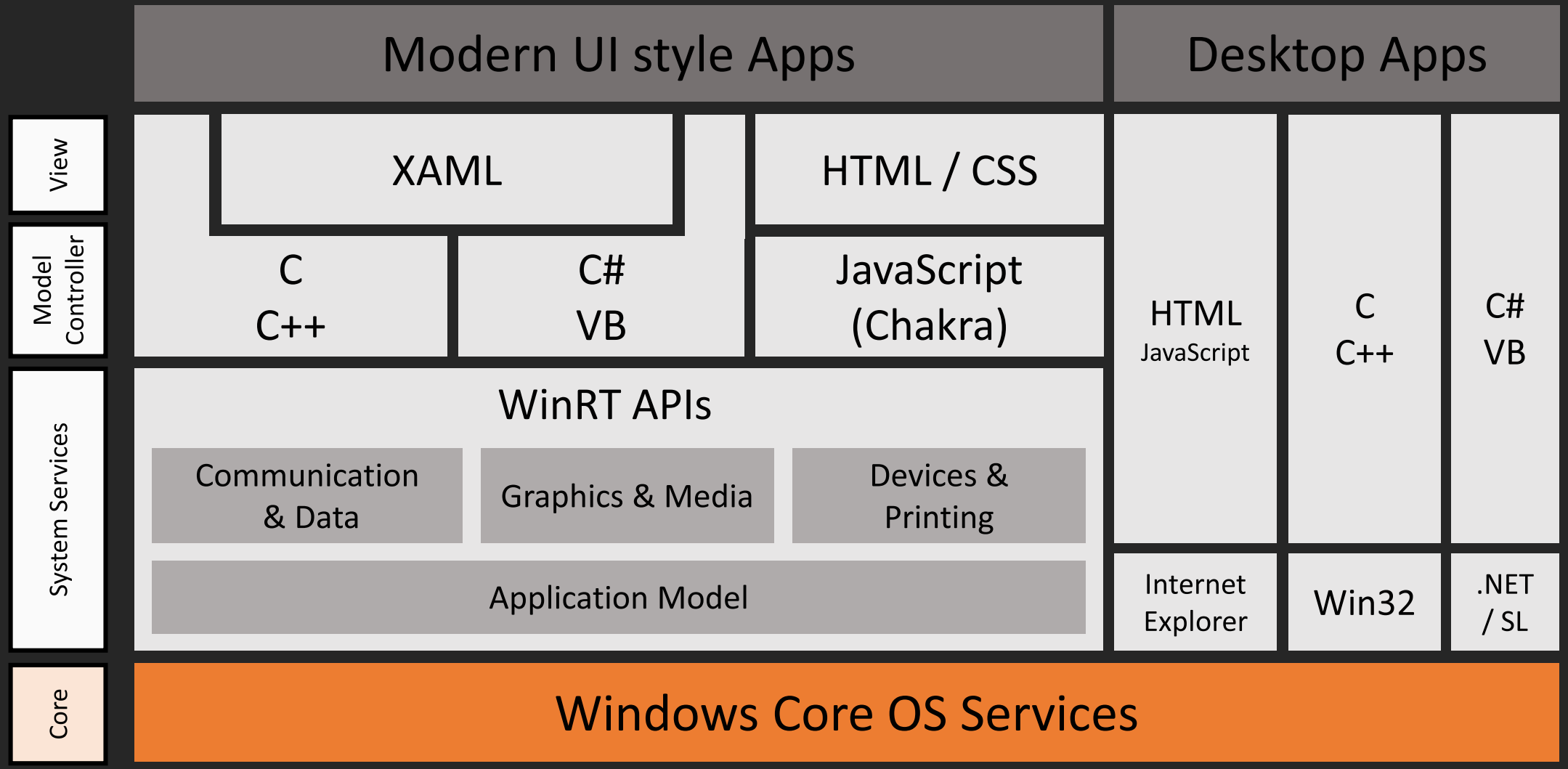
Windows® 8

Kluczowe obszary systemu

- Nowe środowisko uruchomieniowe (WinRT)
- Interfejs Modern UI
- Nowe środowisko działania aplikacji
- Obsługa nowych urządzeń
- Sklep Windows

Windows® 8

Platforma Windows 8



API Aplikacji Windows 8

User Interface

- HTML5/CSS
- XAML
- DirectX
- Controls
- Data Binding
- SVG
- Tiles
- Input
- Accessibility
- Printing

Devices

- Geolocation
- Portable
- Sensors
- NFC

Media

- Playback
- Capture
- PlayTo
- Visual Effects

Communications & Data

- Contracts
- Local & Cloud Storage
- Web
- Notifications
- Streams
- Memory Management
- XML
- Networking
- SMS

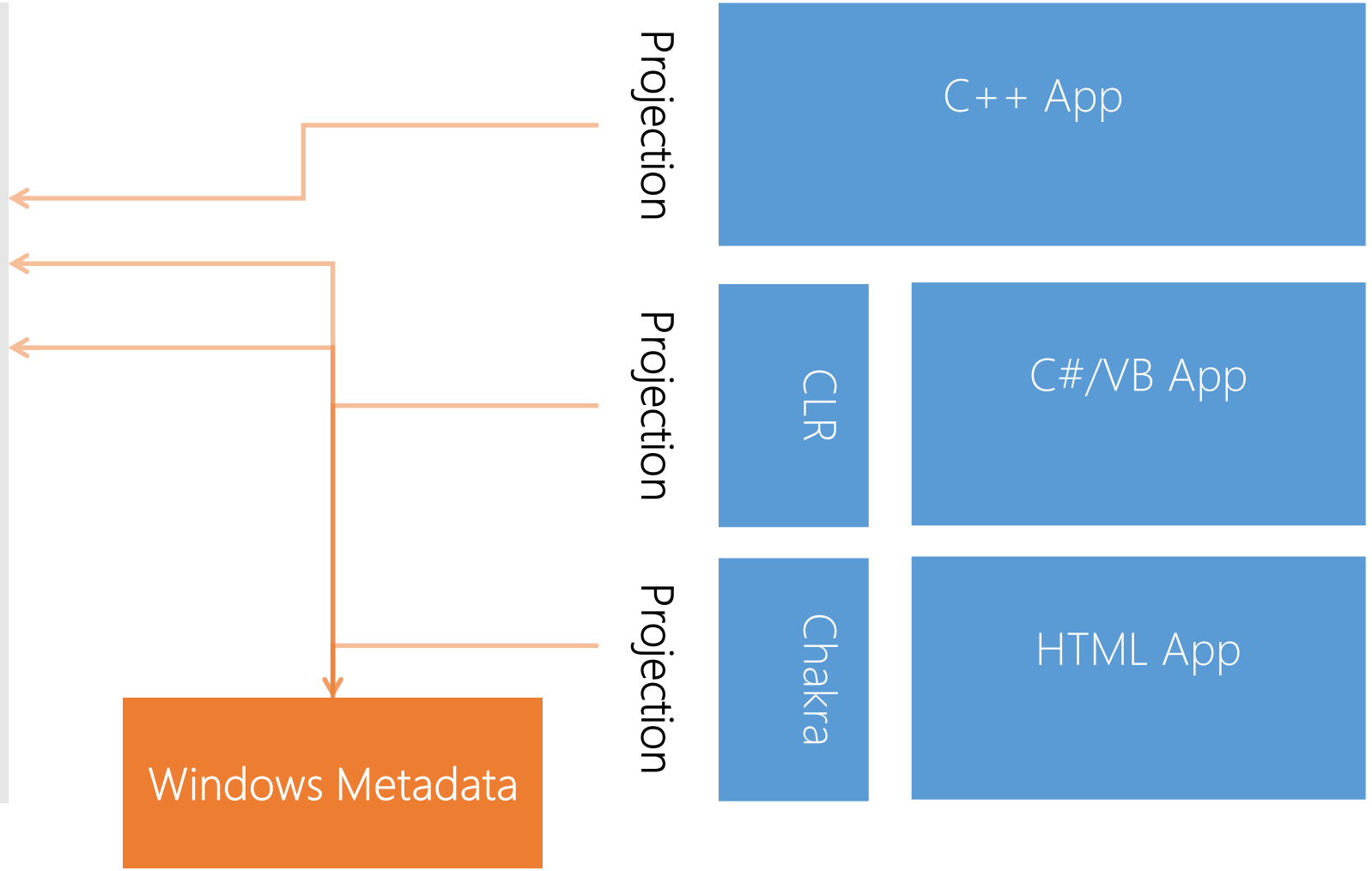
Fundamentals

- Application Services
- Threading/Timers
- Memory Management
- Authentication
- Cryptography
- Globalization

Jak to działa?

Windows
Runtime
Object
(lub Component)

Napisane w
C++, C#, VB



HTML5

Web Sockets

Web Workers

IndexedDB

Ecmascript 5

File API & Blobs

Geolocation

Audio tag

Video tag

Touch-first

- Pointer events
- Zoom regions
- Snap Points

Forms

- Validation
- Input types

Spell checking

CSS3

Transforms

2D & 3D transforms

Motion

Animations

Transitions

Layout

Grid

Flexbox

Graphics

Gradients

Text-shadow

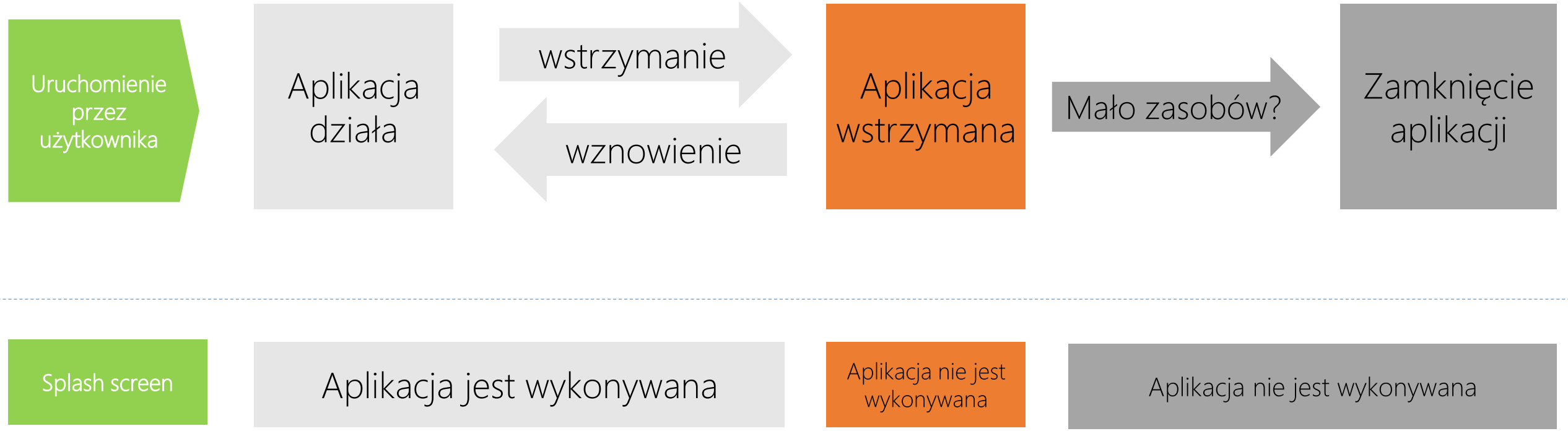
Content flow

Multi-column, hyphenation

Pagination

Position float

Livecycle aplikacji



aplikacje natywne a webowe

+ szybkość
+ dostęp do funkcji natywnych
+ spójny wygląd
- wiele platform
- aktualizacje

+ multiplatformowość
+ łatwe aktualizacje
+ wspólne standardy
- brak dostępu do funkcji natywnych

hardware

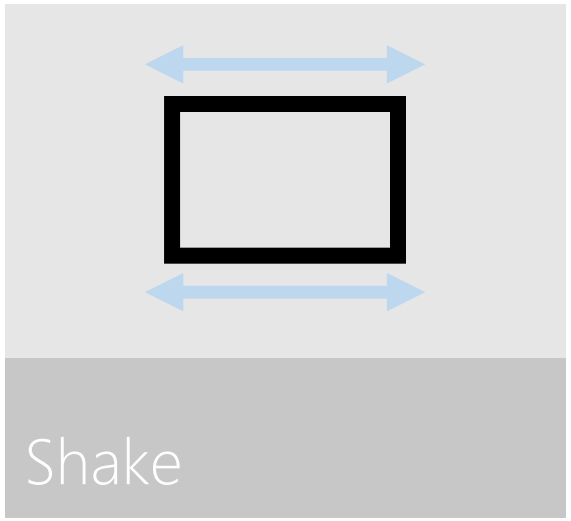
przyciski

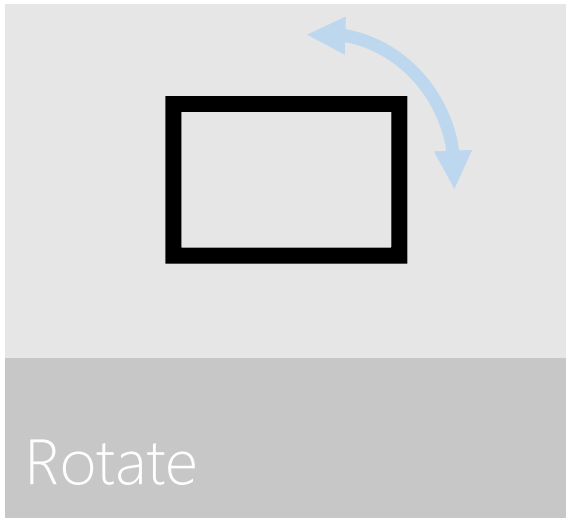
akcelerometr i żyroskop.

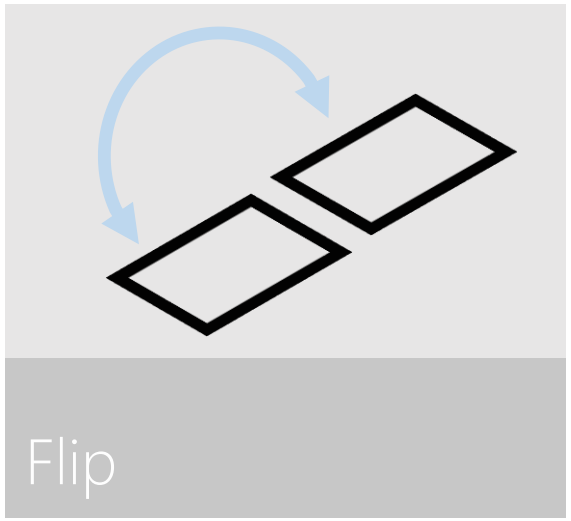
mikrofon, aparat / kamera, głośniki.

bluetooth. WiFi. 3G

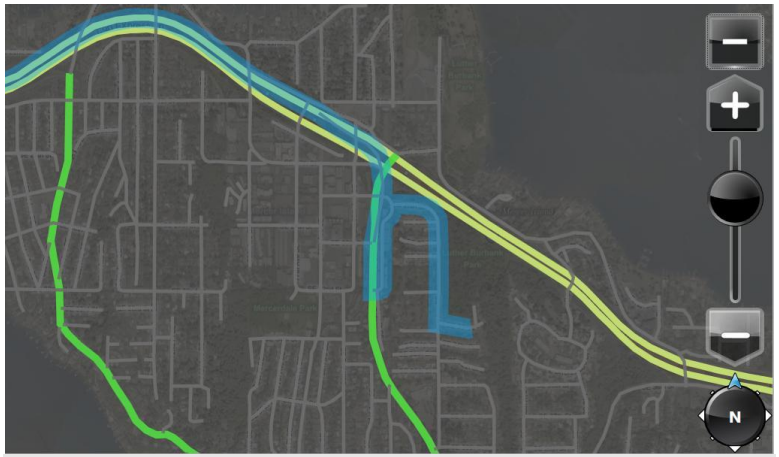
Akcelerometr, żyroskop







Czujnik światła



Dark

Indoors

Outdoors

czym jest Windows 8 UI?

nie ma złych projektów,
są kiepskie interfejsy.

Wprowadzenie do Windows 8 UI

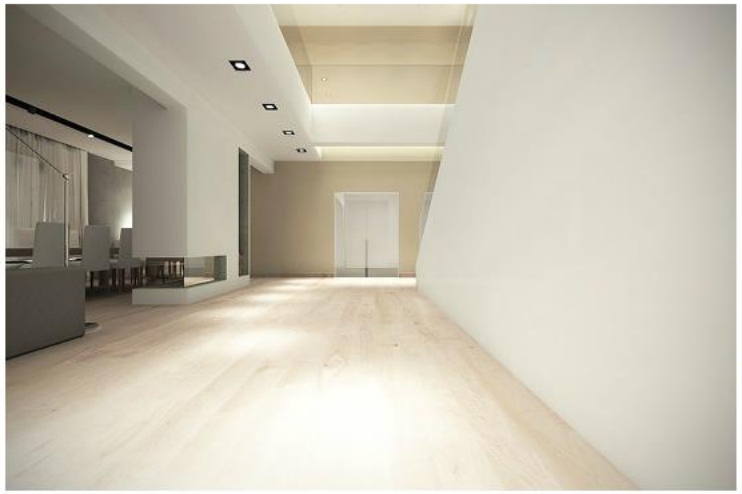
- Jak Microsoft zmienił się o 180 stopni
- Jak Modern UI wpływa na twórców aplikacji?
- Zasada „Win as One”
- Dlaczego to ma sens?

Wprowadzenie

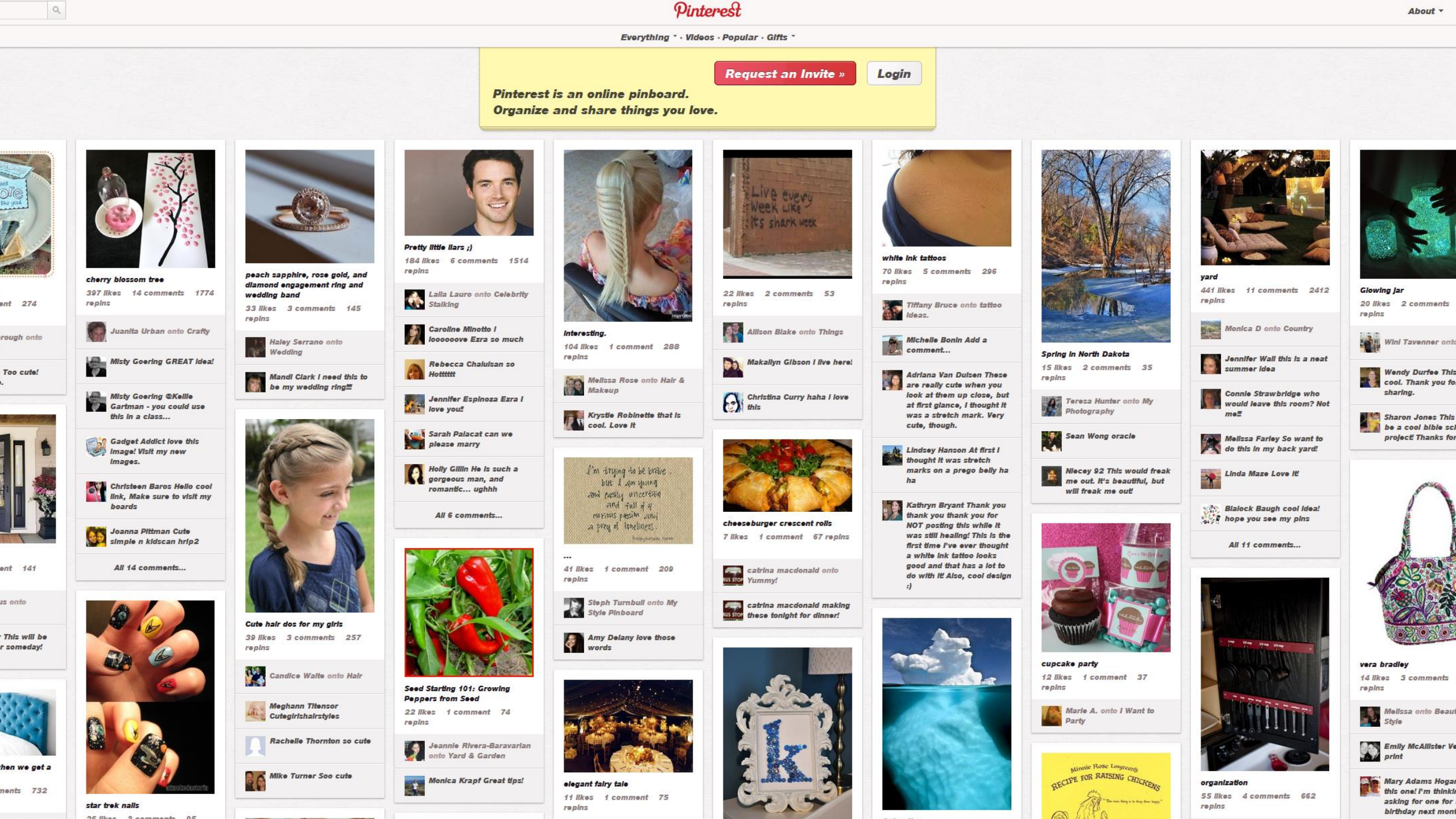
- UI kontra UX,

- Czym jest zatem Windows 8 UI?
  „a design language is an overarching scheme or style that guides the creation of a common set of experiences and user interfaces”

appu*
architects



→ Opis


Pinterest
About
Everything · Videos · Popular · Gifts
Request an Invite »
Login
Pinterest is an online pinboard.
Organize and share things you love.
cherry blossom tree
397 likes 14 comments 1774 repins
Juanita Urban onto Crafty
Misty Goering GREAT idea!
Misty Goering @Kellie Gartman - you could use this in a class...
Gadget Addict love this image! Visit my new images.
Christeen Baros Hello cool link, Make sure to visit my boards
Joanna Pittman Cute simple n kidscan hrip2
All 14 comments...
star trek nails
peach sapphire, rose gold, and diamond engagement ring and wedding band
33 likes 3 comments 145 repins
Haley Serrano onto Wedding
Mandi Clark I need this to be my wedding ring!!!
Cute hair dos for my girls
39 likes 3 comments 257 repins
Candice Waite onto Hair
Meghann Titensor Cutegirlshairstyles
Rachelle Thornton so cute
Mike Turner Soo cute
Pretty little liars ;)
184 likes 6 comments 1514 repins
Laila Lauro onto Celebrity Stalking
Caroline Minotto I looooooove Ezra so much
Rebecca Chaluisan so Hotttttt
Jennifer Espinoza Ezra I love you!
Sarah Palacat can we please marry
Holly Gillin He is such a gorgeous man, and romantic... ughhh
All 6 comments...
Seed Starting 101: Growing Peppers from Seed
22 likes 1 comment 74 repins
Jeannie Rivera-Baravarian onto Yard & Garden
Monica Krapf Great tips!
Interesting.
104 likes 1 comment 288 repins
Melissa Rose onto Hair & Makeup
Krystle Robinette that is cool. Love it
I'm trying to be brave, but I am young and easily uncertain and full of a curious passion and a prey of loneliness.
...
41 likes 1 comment 209 repins
Steph Turnbull onto My Style Pinboard
Amy Delany love those words
elegant fairy tale
11 likes 1 comment 75 repins
Live every week like its shark week
22 likes 2 comments 53 repins
Allison Blake onto Things
Makallyn Gibson I live here!
Christina Curry haha I love this
cheeseburger crescent rolls
7 likes 1 comment 67 repins
catrina macdonald onto Yummy!
catrina macdonald making these tonight for dinner!
white ink tattoos
70 likes 5 comments 296 repins
Tiffany Bruce onto tattoo ideas.
Michelle Bonin Add a comment...
Adriana Van Duisen These are really cute when you look at them up close, but at first glance, I thought it was a stretch mark. Very cute, though.
Lindsey Hanson At first I thought it was stretch marks on a prego belly ha ha
Kathryn Bryant Thank you thank you thank you for NOT posting this while it was still healing! This is the first time I've ever thought a white ink tattoo looks good and that has a lot to do with it! Also, cool design :)
Spring in North Dakota
15 likes 2 comments 35 repins
Teresa Hunter onto My Photography
Sean Wong oracle
Niecey 92 This would freak me out. It's beautiful, but will freak me out!
cupcake party
12 likes 1 comment 37 repins
Marie A. onto I Want to Party
Minnie Rose Lovgreen's
RECIPE FOR RAISING CHICKENS
yard
441 likes 11 comments 2412 repins
Monica D onto Country
Jennifer Wall this is a neat summer idea
Connie Strawbridge who would leave this room? Not me!!
Melissa Farley So want to do this in my back yard!
Linda Maze Love it!
Blalock Baugh cool idea! hope you see my pins
All 11 comments...
organization
55 likes 4 comments 662 repins
Glowing jar
20 likes 2 comments
Wini Tavenner onto
Wendy Durfee This cool. Thank you fo sharing.
Sharon Jones This be a cool bible sc project! Thanks for
vera bradley
14 likes 3 comments repins
Melissa onto Beau Style
Emily McAllister Ve print
Mary Adams Hogar this one! I'm thinki asking for one for birthday next mont

Latest Submissions

Latest Items

Loading Bar Design
by Free Web Elements

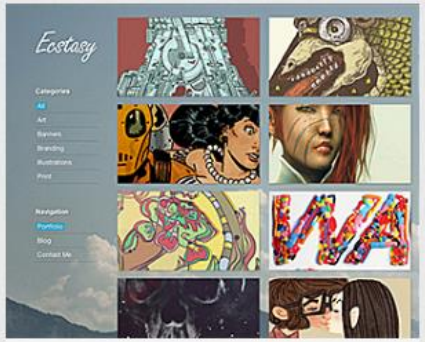
♥ 0 Favorites

+ Infographic Resume
by Errol Veloso

♥ 2 Favorites

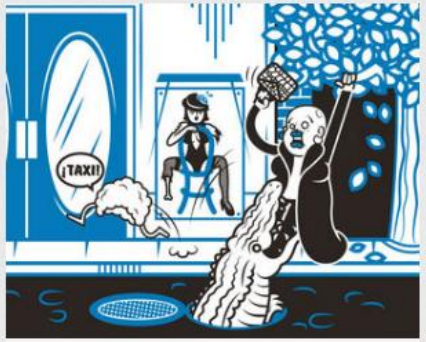
Monk of Telrena
by Anthony Scime

♥ 0 Favorites



Ectasy
by prox.developer

♥ 0 Favorites

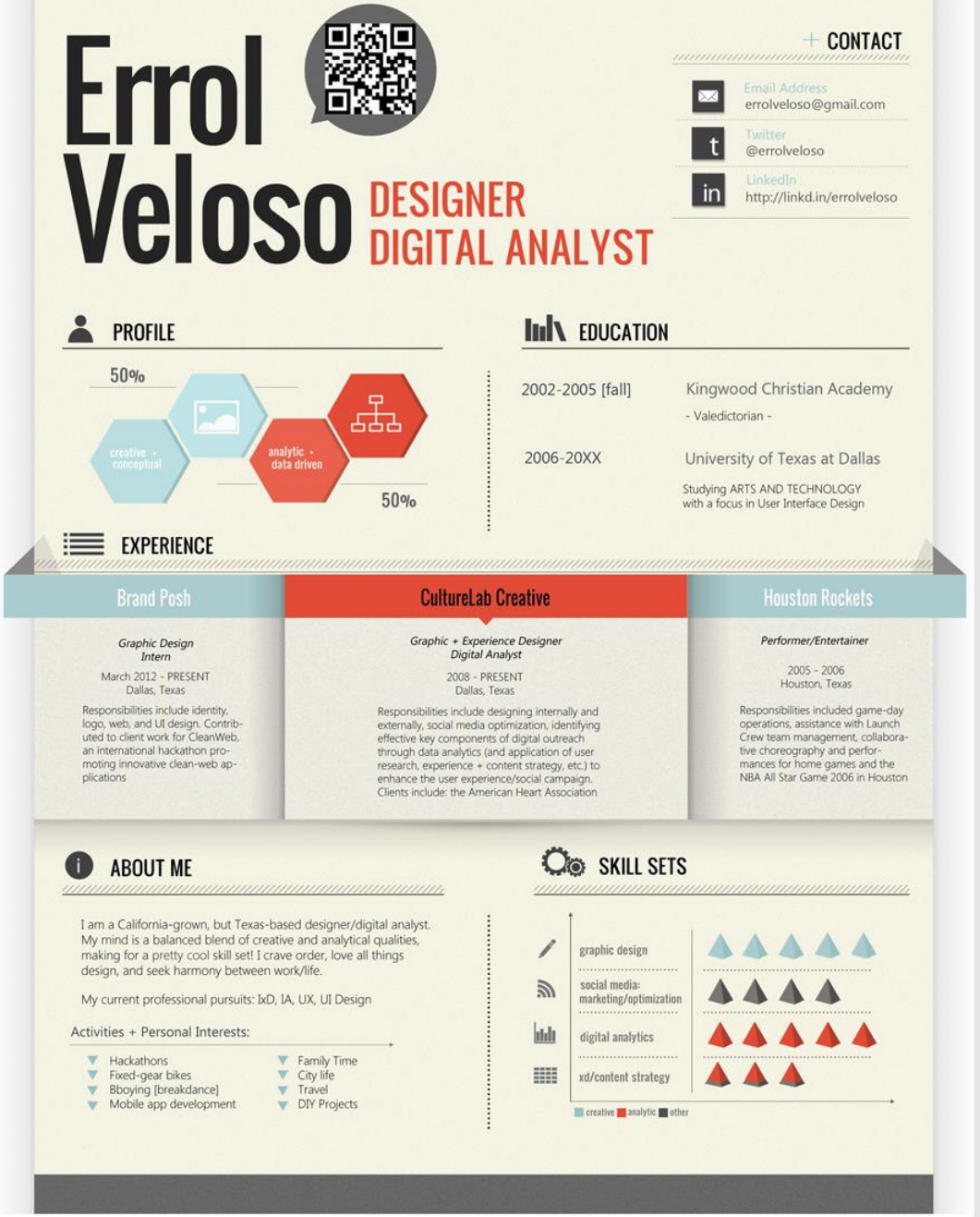


Black Rice
by Voltio

♥ 1 Favorites

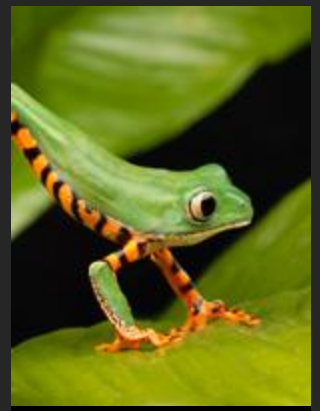
T.C.
by José

♥ 0 Favorites



WYTYCZNE =/= WYMOGI

KOLOR



MARKA

Wake up to beautiful.

KOMUNIKAT

OBRAZ

RUCH

ABCabc
ABCabc
ABCabc
ABCabc
ABCabc
ABCabc

TYPOGRAFIA

WZORNICTWO

sec min hr AM PM days weeks mo yrs in feet yd m mi km MPG lb oz grams kg No. million billion trillion 999,999 1.2 million # MP KB Kb min. max.

SKRÓTY

IKONY

SIATKA

music library

play all

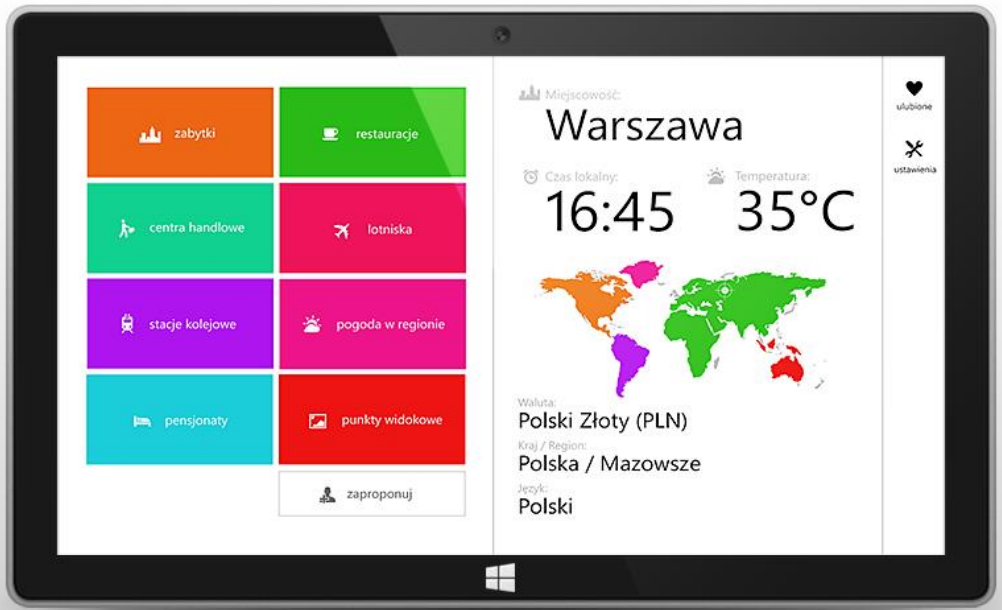
bums by year | albums by title | albums by artist | artists | songs | genr

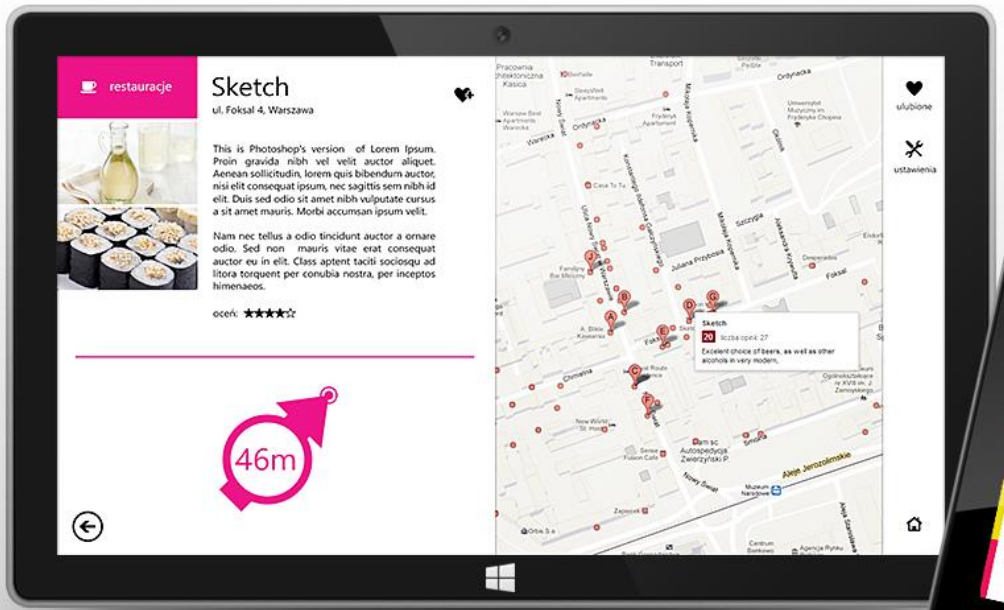
100th Window

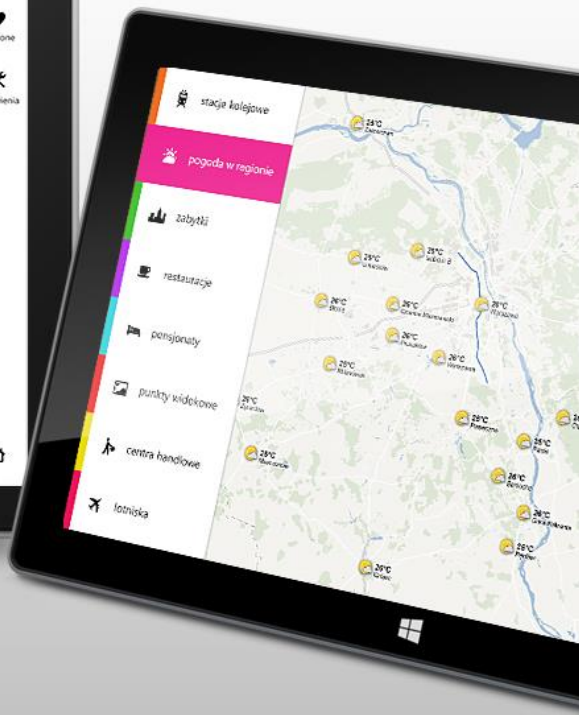
Massive Attack

9 tracks 72:36 2002

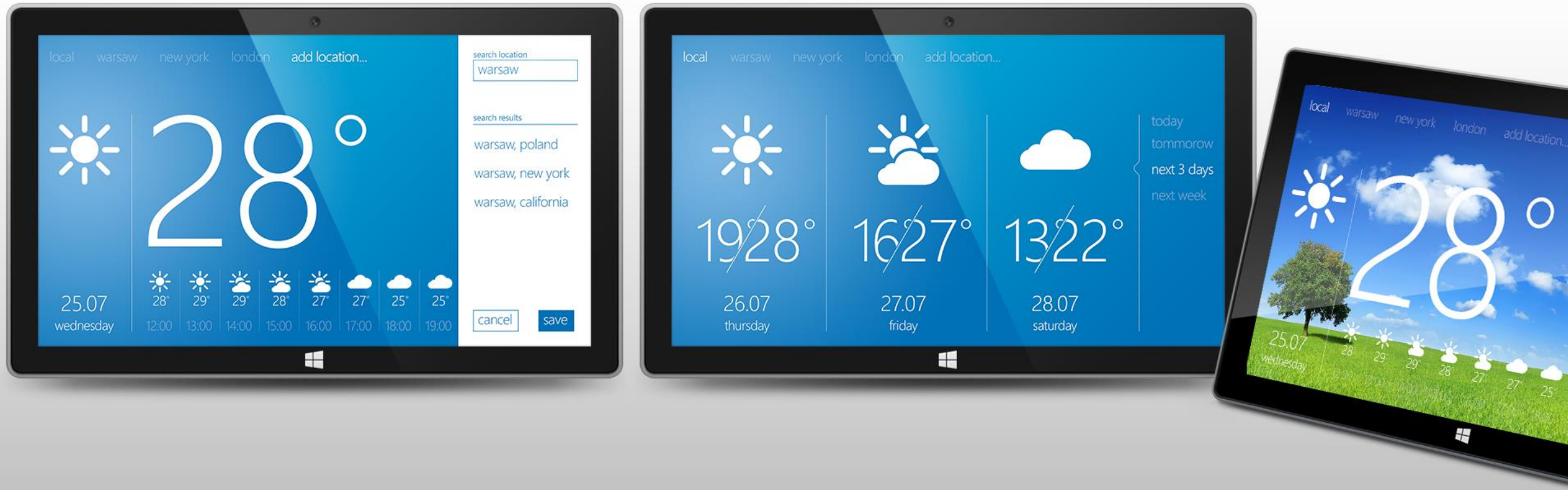
1 | 201



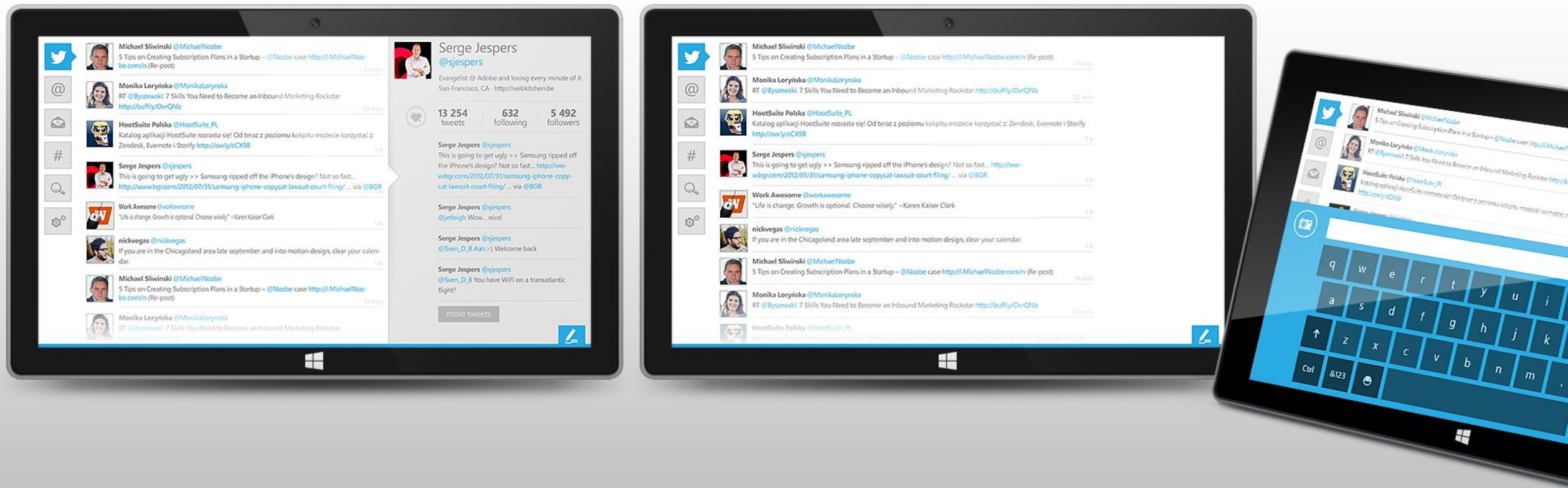




Places for Windows® 8®



Weather for Windows® 8®



Twitter for Windows® 8®

SETTINGS | HELP

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QUICKPLAY COLLECTION **MARKETPLACE** SOCIAL DEVICE

music videos pictures podcasts channels apps

SEARCH

music

browse

CHANNELS
PLAYLISTS
TOP 100
MUSIC VIDEOS

genres

ROCK
HIP HOP
R&B / SOUL
POP
ELECRONIC / DANCE
LATIN
REGGAE / DANCEHALL
WORLD
COUNTRY
CLASSICAL
JAZZ
BLUES / FOLK
COMEDY / SPOKEN WORD
CHRISTIAN / GOSPEL
SOUNDTRACKS
KIDS'
MORE

we recommend

When The Worl
All American Re

The Fray
The Fray

The E.N.D.
Black Eyed Peas

No Line On The
U2

Hook Me Up
The Veronicas

top songs

1 I Gotta Feeling
Black Eyed Peas
2 Run This Town
Jay Z, Kanye West,
3 Use Somebody
Kings of Leon
4 Boom Boom Pow
Black Eyed Peas
5 When You're Ready

top videos

1 You Belong With Me
Taylor Swift
2 She Wolf
Shakira
3 New Divide
Linkin Park
4 I'm On A Boat (Paren
The Lonely Island
5 Smooth Criminal

Mercury
1:21
-2:30

VOLUME 07

QUICKPLAY COLLECTION **MARKETPLACE** SOCIAL DEVICE
picks music videos podcasts chann

yeah yeah yeahs

top songs
1 Gold Lion
Show Your Bones
2 Zero
It's Blitz!
3 Skeletons
It's Blitz!
4 Soft Shock
It's Blitz! (Deluxe Edition)
5 Maps
Fever To Tell (Bonus Tracks)

playlists
1 Break-up Songs
Mixtapes
2 Gurrrl Power
Mixtapes
3 Wonder Twins Activa
Mixtapes

YEAH YEAH
SMART DJ

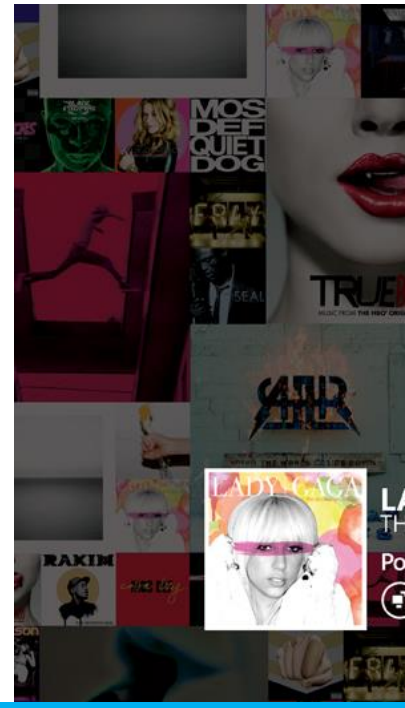
tour dates
more at zune.net
mixview

ALBUMS SONGS YEAR MOST PLAYED TITLE APPEARS ON

Heads Will Roll
2009

Zero (Remixes)
2009

Fever To Tell (Bon
2009



Inspiracje Windows 8 UI

Szkoła Bauhaus

Swiss Style

Cinematographics

Bauhaus

Prostota

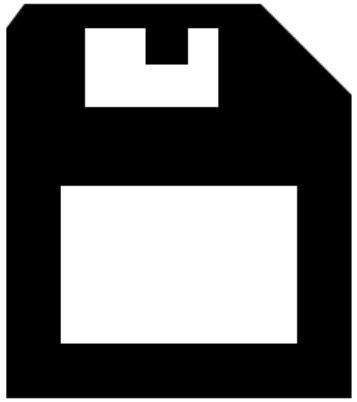
Ponadczasowość

hall
B
5,7
MADRID
Ankomst
Baggage Claim
spoor
12a
spoor
11a
WWW
INTERNET
Nishi-Ōi
品川
Shinagawa
Wall Stree
Uptown
4
5
A
G
09
H
08
M
16
銀座駅
Ginza Sta.
Uniwersalność
Multikulturowość

8 Street Station
Downtown & Brooklyn
N R W
ATM

Manhattan
86 St Bway
79 St Bway
72 St Bway
66 St Lincoln Center
86 St CPW
81 St Museum of Natural History
72 St CPW
59 St Columbus Circle
1
A C B D
53 St 7 Ave
57 St 7 Ave
W R N Q
57St 6 Ave
63 St Lexington Ave
5 Ave 59 St
W R N
53 St 5 Ave
V E
50 St 8 Ave
50 St Bway
49 St 7 Ave
47-50 Sts Rockefeller Ctr
Lex Ave 53 St
S 7
42 St Port Authority
A C E
42 St Times Sq
1 2 3 W R N Q
B D F V
42 St 6 Ave
42 St Bryant Park
34 St Penn Station 8 Ave
34 St Penn Station
34 St Herald Sq
28 St 7 Ave
28 St Bway
23 St 8 Ave
23 St 7 Ave
23 St 6 Ave
23 St Bway

Intuicja i schematy



Cinematographics

- Catch Me if You Can Opening Title Sequence
- Quantum of Solace: Opening

AUTHENTIC.

LITTLE MISS SUNSHINE

A FAMILY ON A VERGE OF A BREAKDOWN

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ponadczasowość, nowoczesność.

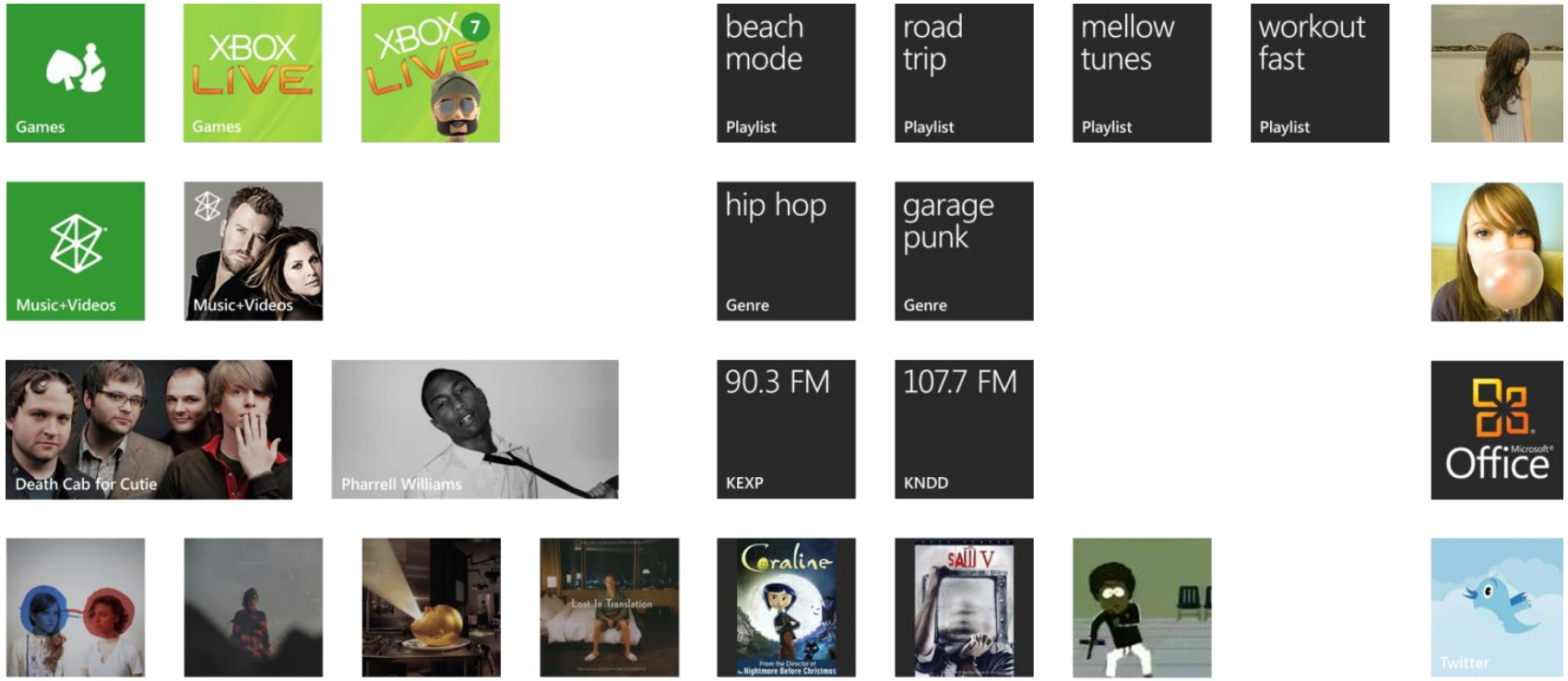
uniwersalność
informacja
porządek
typografia
globalizacja

treść
ruch
nowoczesność
przestrzeń
cyfrowość

kafelki i notyfikacje

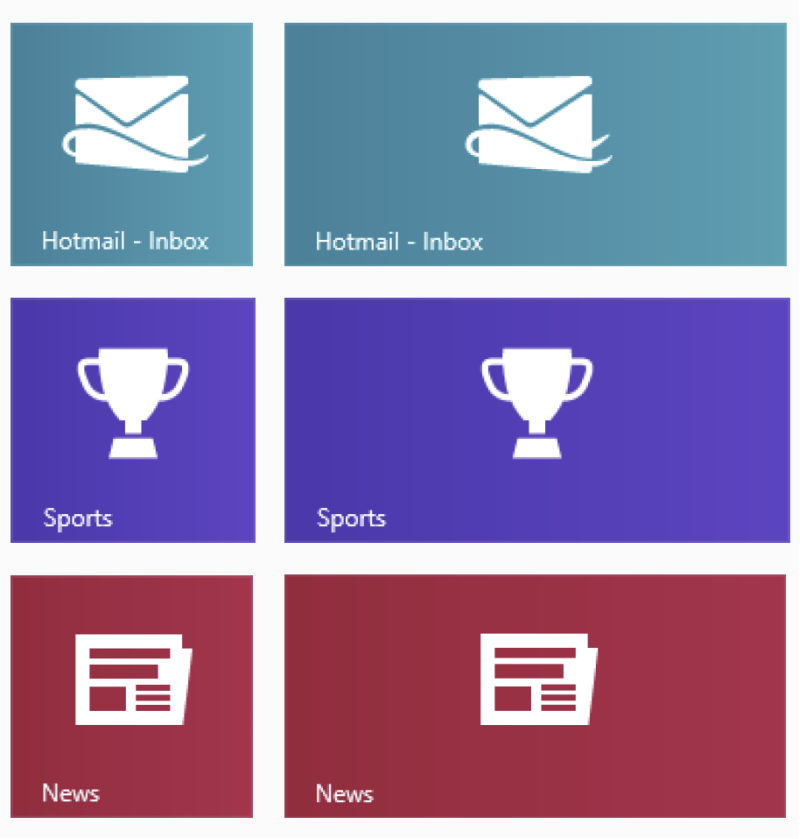
- Zwykłe kafelki (Tlies)
- Live Tiles
- Powiadomienia Toast
- WPS

4
Phone
Contacts
25
Text
4
Mail
Internet Explorer
XBOX LIVE 7
Monday Morning Studio Sync
Studio H/2010
Mon, Sept 28, 10 AM
Calendar
Fri 25
Pictures
Music+Videos
Marketplace
Office


Games
Games
XBOX LIVE 7
beach mode
Playlist
road trip
Playlist
mellow tunes
Playlist
workout fast
Playlist
Music+Videos
Music+Videos
hip hop
Genre
garage punk
Genre
Death Cab for Cutie
Pharrell Williams
90.3 FM
KEXP
107.7 FM
KNDD
Office
Lost In Translation
Coraline
SAW V
Twitter

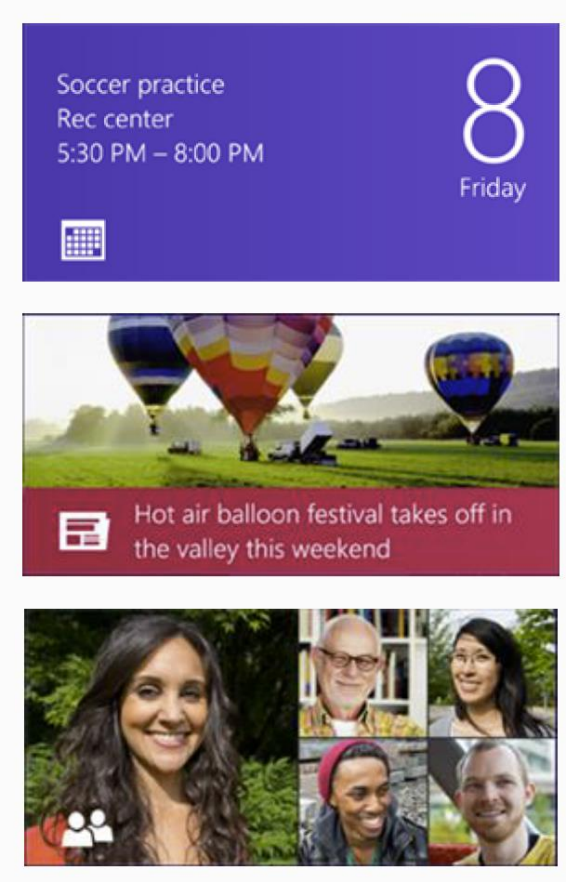
Kafelki

- Pierwsze, które widzi użytkownik
- Dwa rozmiary 1/1 i 2/1
- W manifeście aplikacji
- Używane gdy nie ma Live Tile
- Identyfikacja aplikacji



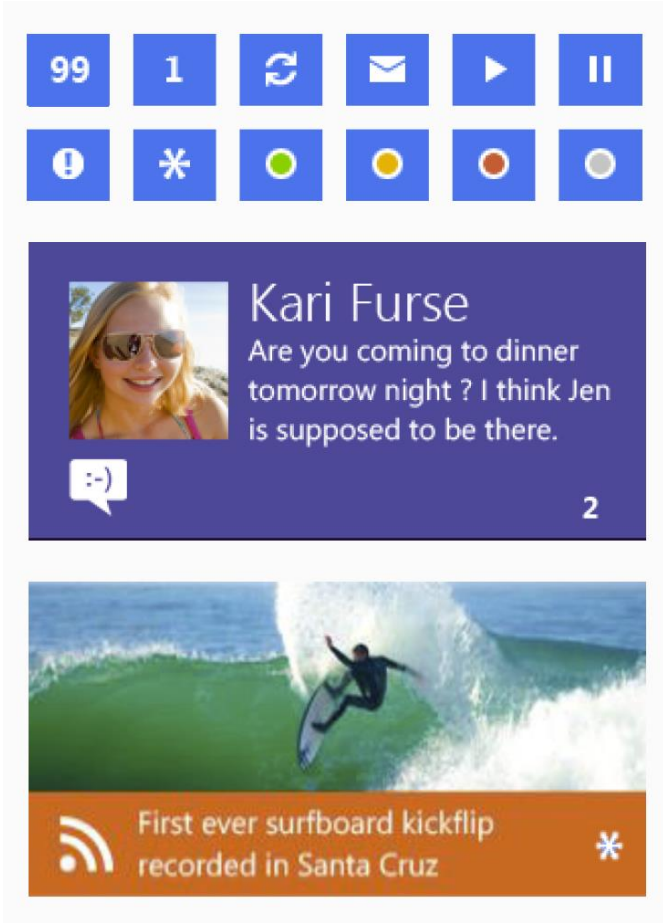
Live Tile

- Nawet jeśli aplikacja nie działa
- JPG lub PNG max 150KB
- Text, obrazek lub łącznie
- Aktualizowane przez notyfikacje
  - Local content – działająca aplikacja
  - Local content – zaplanowane
  - Push / pull z serwera
- Szablony



Badg’e

- Symbole na kafelkach
- Liczby 1-99
- Symbole i znaki



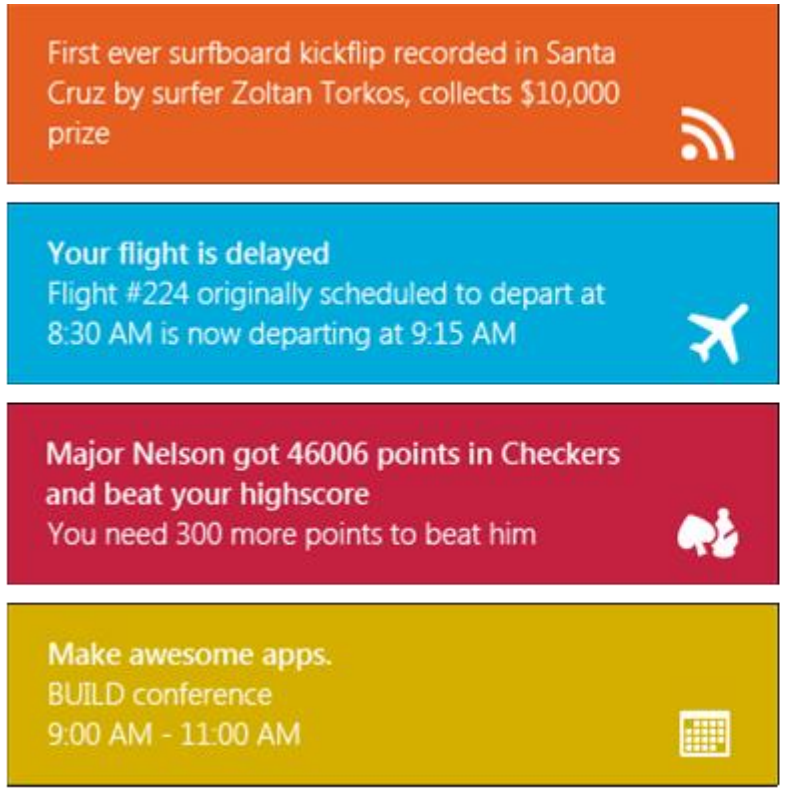
Kolejkowanie powiadomień

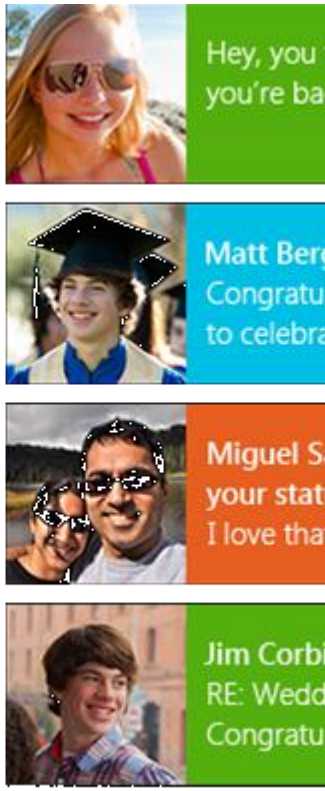
Domyślnie pokazuje się tylko ostatnia notyfikacja

Możliwe jest wyświetlanie 5 ostatnich powiadomień

Notyfikacje Toast

- Poza kontekstem aplikacji
- Przyciągnij uwagę użytkownika
- Użytkownik może wyłączyć
- Szybki sposób na nawigację
- Szablony jak w Live Tile



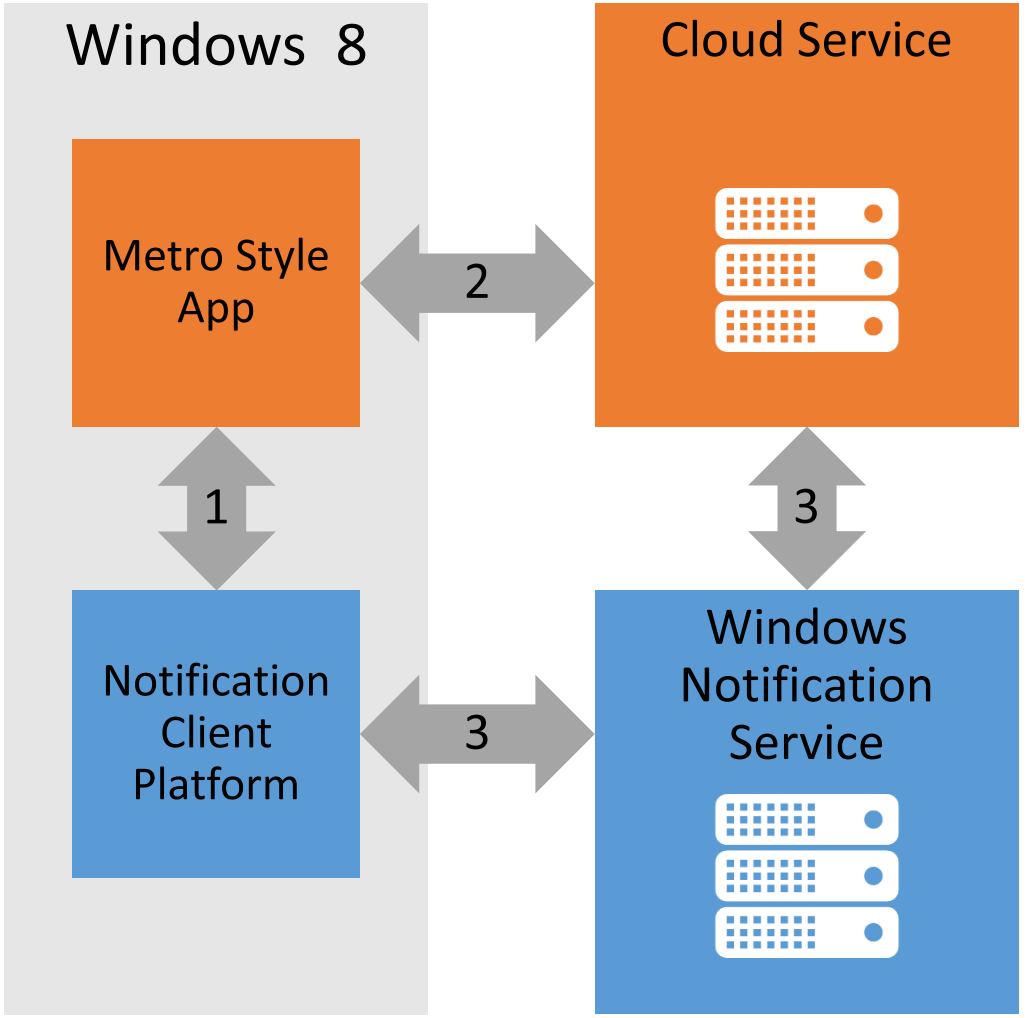


Windows Notfication Service

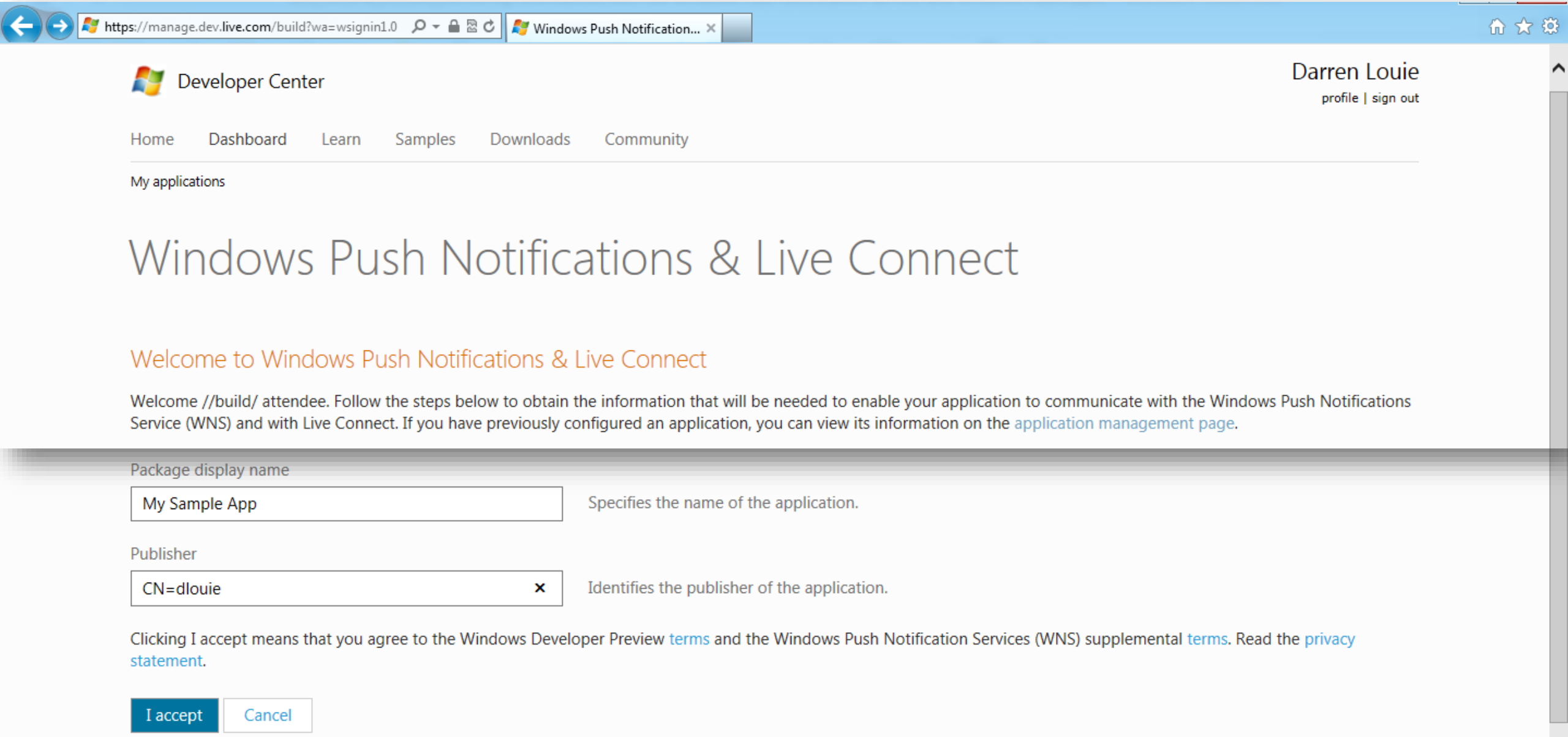
- Dostarczają toasty i Live Tile z chmury
- Wyświetlają powiadomienia nawet, jeśli aplikacja nie działa
- WNS odpowiada za komunikację z aplikacją
- Dostępne tylko online
- Darmowa usługa dla Twoich aplikacji

Jak to działa?

- Zdobycie Channel URI
- Rejestracja Azure
- Autentykacja i powiadomienie

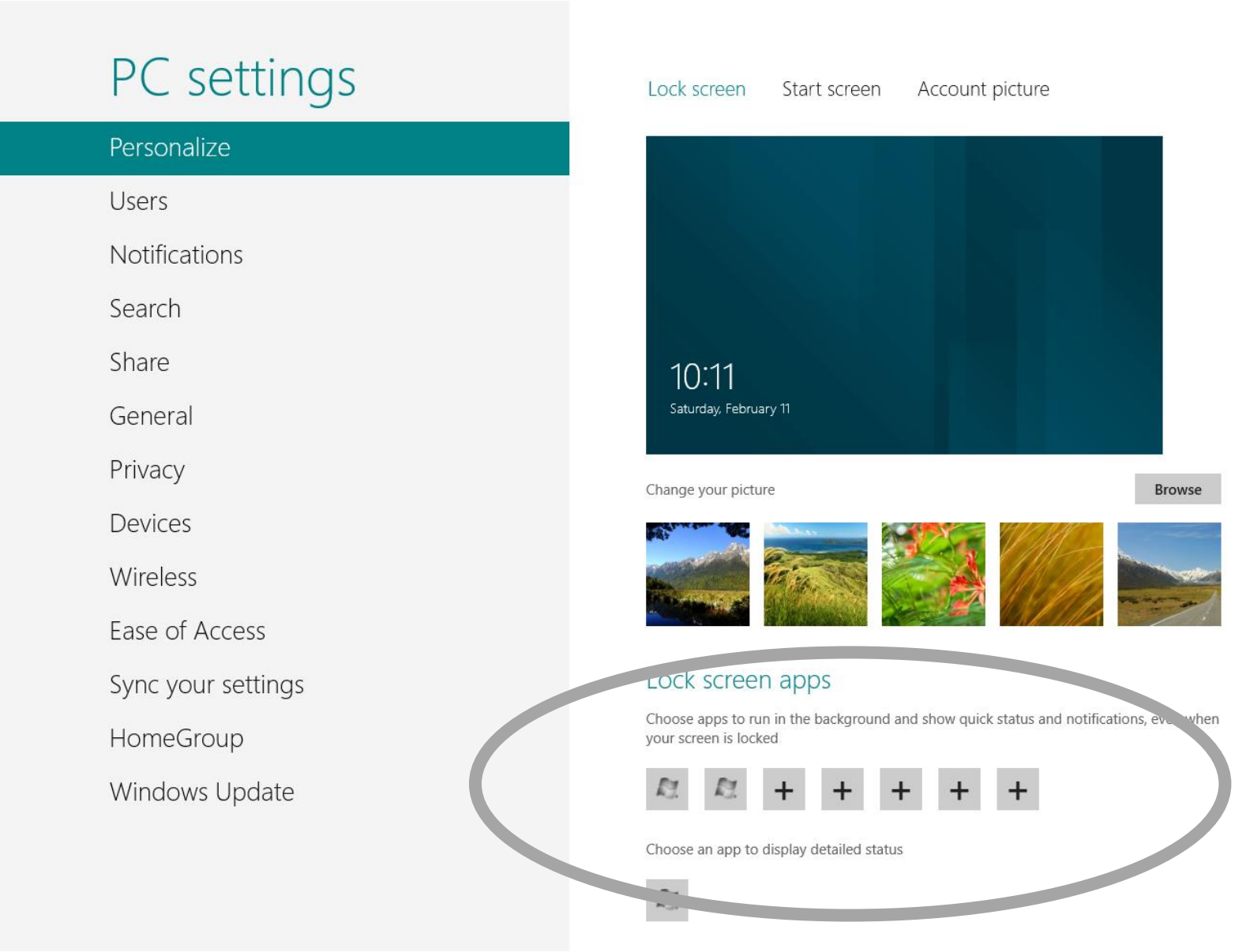


Jak to działa?



Lock Screen

Aplikacje działające w tle – mogą odpowiadać za komunikację (mail, voip). Mogą być odświeżane co 15 min. Użytkownik może je wyłączyć dla konkretnych aplikacji.



Powiadomienia

Toast, Live Tile:
2 sek CPU, co 2 godziny

Notyfikacje Lock Screen
1 sek CPU, co 15 min

alpha composite

metrobar

tematy (themes) i kafelki w WP

App Bar i Charms'y

Nawigacja zgodnie z „Win as One”

- App Bar jest uruchamiany przez przeciągnięcie od góry, od dołu lub wciśnięcie spacji
- W App Barze znadjują się polecenia i funkcje kontekstowe aplikacji
- Charms’y uruchamiamy przeciągając z prawej strony
- W Charms’ach znajdują się zunifikowane funkcje:
  - Wyszukiwanie – Search
  - Ustawienia – Settings
  - Urządzenia - Device

Headlines

The Pioneer Woman

A Sandwich a Day: Egg and Chorizo Torta from Tortas

Snapshot from Ecudor: Making Chicha at the Edge of the Amazon

Would You Hire This Man?

How to brew your own Munich Helles for Oktoberfest

Closet Cooking

Pasta with Whiskey, Wine, and Mushrooms

Chipotle Steak Salad

Spicy Beans

In the meantime

Just Bento

Caffe Press Higher Custom

Gilt City 3,300 America Package

Gilt City deals on reser

Welcome to the new Windows Dev Center

Metro style apps
For Windows 8

Internet Explorer
For the web

Desktop apps
For all versions of Windows

Hardware
For all versions of Windows

First Apps Contest

Enter for a chance to be one of the first apps in the Windows Store.

Download the Windows 8 Developer Preview

Get the Windows 8 Developer Preview and free developer tools to start building apps now.
Get started

Windows Store for Developers

Learn what you need to know to sell your apps

Read the Windows 8 Developer Preview guide

See what's new in Windows 8. This downloadable guide shows you new features for developers, consumers and businesses.
Download PDF Download XPS

http://msdn.microsoft.com/en-us/windows

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Gilt City 3,300 America Package

Gilt City deals on reser

Read

Refresh

Remove All

Add Feeds

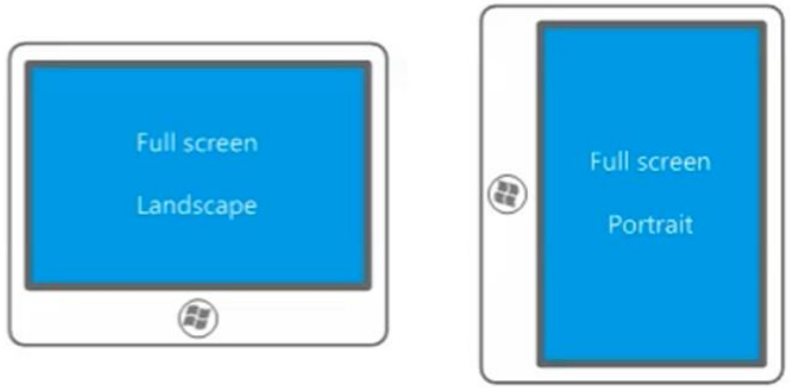
Product name
Product name
Product name
Product name
Product name
Product name
Product name
Product name
Product name
Product name

Działanie App Bar

- App Bar, który znajduje się na dole służy jako menu kontekstowe
- App Bar na górze służy do nawigacji

Widoki Snap i Fill

Widoki aplikacji



Układ horyzontalny i wertykalny

Full screen

Snapped (Split View)

Fill (Split View)

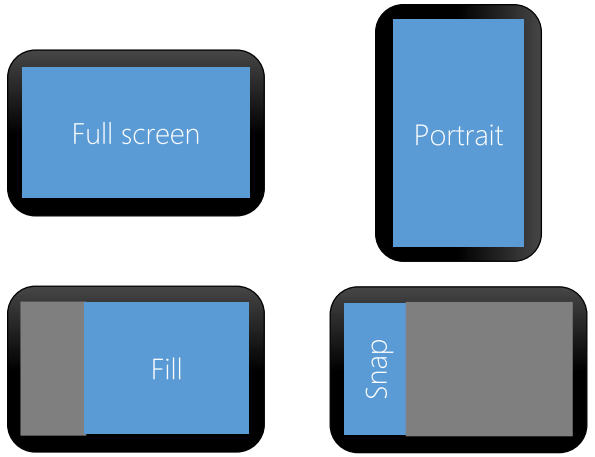
Widok Snap i Fill

- Wbudowane w Windows 8
- Snap:
  - Stały rozmiar 320px
  - Jeden dla całej aplikacji lub dla każdej planszy
  - Dobrze zaprojektowany sprawi że Twoja aplikacja jest cały czas na wierzchu
  - Scrollowanie w pionie
  - App Bar nie ma podpisów i max 5 przycisków
- Fill
  - Dla każdej planszy
  - Przetestuj

HTML5 i CSS media queries

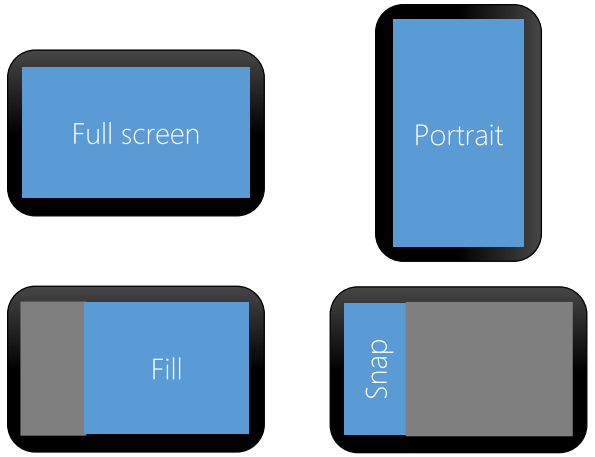
Targetuj poszczególne stany z CSS i HTML

```
@media screen and (-ms-view-state: snapped)
{
    /* Re-arrange and hide/show content */
}
@media screen and (-ms-view-state: device-portrait)
@media screen and (-ms-view-state: fill)
@media screen and (-ms-view-state: full-screen)
```



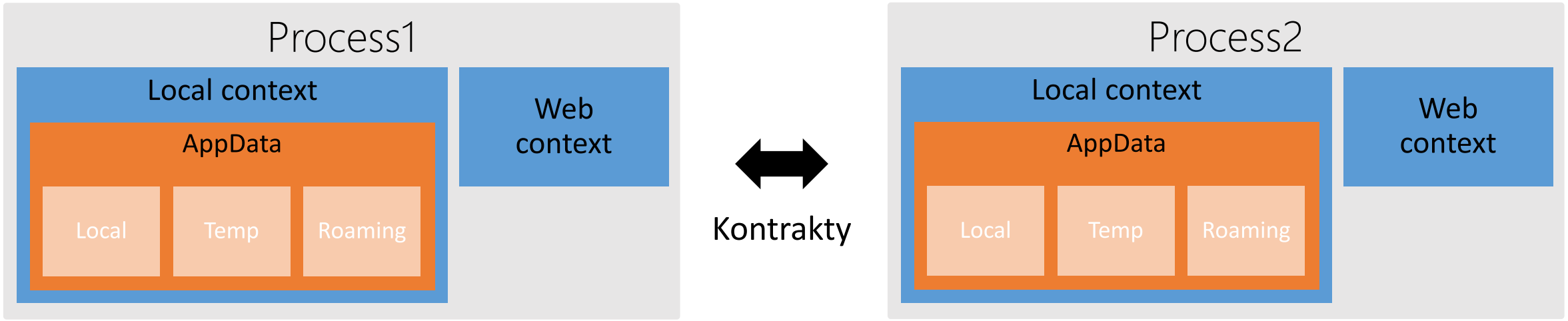
Lub wykorzystaj XAML...

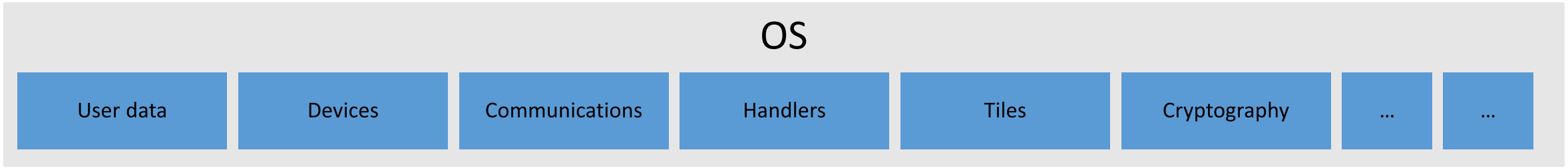
```
<Grid x:Name="LayoutRoot">
        <VisualStateManager.VisualStateGroups>
                <VisualStateGroup x:Name="OrientationStates">
                        <VisualState x:Name="FullScreen" />
                <VisualState x:Name="Filled" />
                <VisualState x:Name="Snapped" />
                        <VisualState x:Name="Portrait" />
                </VisualStateGroup>
        </VisualStateManager.VisualStateGroups>
</Grid>
```



Kontrakty

Pod maską procesów





Account

jeremynelson@hotmail.com
Sign out | Change user

Your apps

View all of the apps you own and install any of them on up to five computers.
View your apps | Check for updates

Automatically download app updates

Yes

Payment and billing

VISA **********1234 (Expire MM/YYYY)
Change default payment metohd | View billing history

Always ask for your password when buying an app

Yes

Your computers

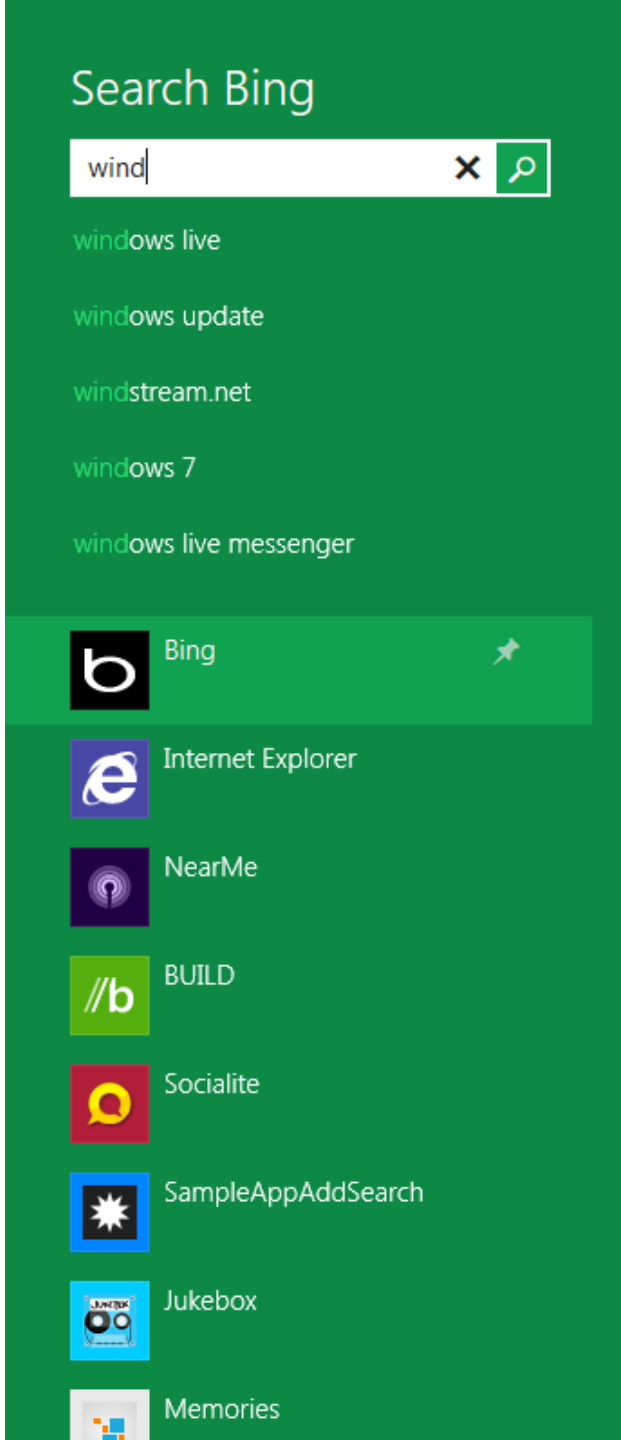
You can use your store account on up to five computers. You can swap out a computer once every 30 days.

Jeremy-slate
First used on MM/DD/YYYY
Remove

Jeremy-laptop

Działanie Kontraktów

- Charms jako spójny mianownik
- Zasada „Win as One”
- Wymiana danych przez aplikacje z Share
  - Uruchomienie aplikacji – Splash Screen (do 15s., kolor + png)
- Search kontra Find
  - Search przeszukuje całą aplikację
  - Find zazwyczaj przeszukuje konkretny widok



FilesÅg Results for "pow"Åg

All (183) Documents (144) Pictures (10) Music (3) Other (26)Åg

Kung Pow ChickenÅg
10/22/2007 8:52 PMÅg
39.5 KBÅg

Powerful alliesÅg
Type: Microsoft Word DocumentÅg
3/30/2010 4:09 AMÅg

Pow - Set me freeÅg
2/9/2011 - 6:01 PMÅg
244 KBÅg

Local Color
Microsoft PowerPoint Presentation
9/1/2010 8:57 AM

Power Index
1/22/2008 1:27 PM
612 KB

powers v2
6/10/2010 8:30 AM
612 KB

power plant
2/9/2011 3:58 PM
612 KB

01 saint powers
2/9/2011 3:31 PM
612 KB

African Countries pow
Microsoft PowerPoint Presentation
9/3/2010 8:31 PM

Super Powers
8/9/2010 11:27 AM
612 KB

03 Space Lord
Album: Powertrip
12/29/2009 1:27 AM

Power Windows
2/10/2011 8:52 AM
612 KB

South American Food
Microsoft PowerPoint Presentation
2/10/2010 2:23 PM

Downtown Pikes Place
Microsoft PowerPoint Presentation
10/17/2003 3:47 PM

Interstellar Travel
Microsoft PowerPoint Presentation
3/30/2010 4:09 AM

Definition of Life v2
Life is defined as a self replicating orga-
nism which can generate power from...

Deadeye
Time is on my side. The power is mine.
XLS formating is unique and not like...

Germanic
I don't know the germanic word for
power but I'm sure it is interesting. I...

Sitting
2/9/2011 3:31 PM
612 KB

Think Week Paragraphs
8/9/2010 11:27 AM
612 KB

Lorem ipsum dolor sit
8/9/2010 11:27 AM
612 KB

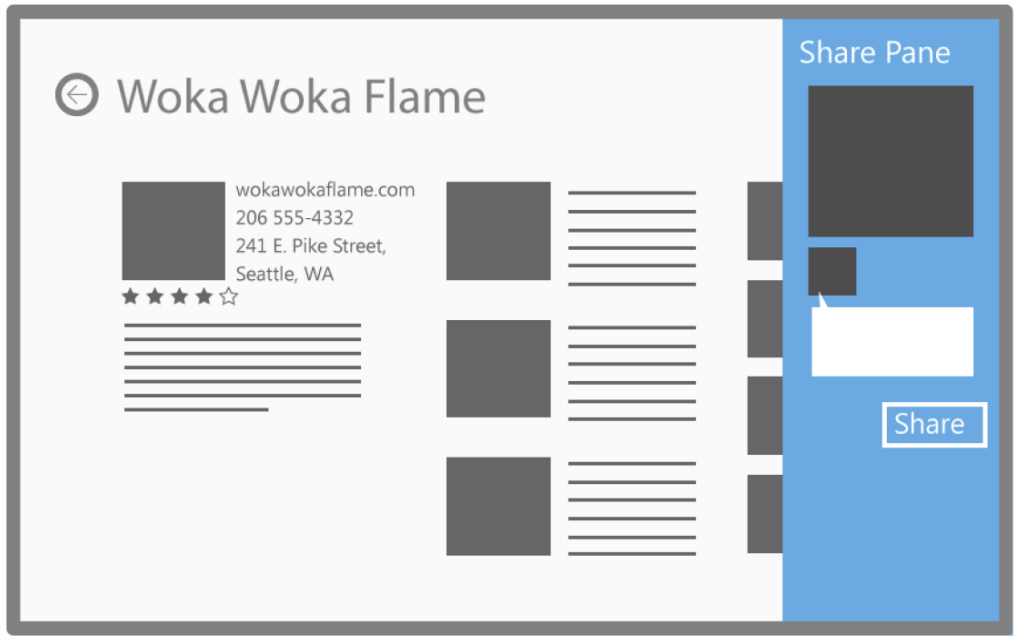
Lorem ipsum dolor sit
8/9/2010 11:27 AM
612 KB

Victoria trip
8/9/2010 11:27 AM
612 KB

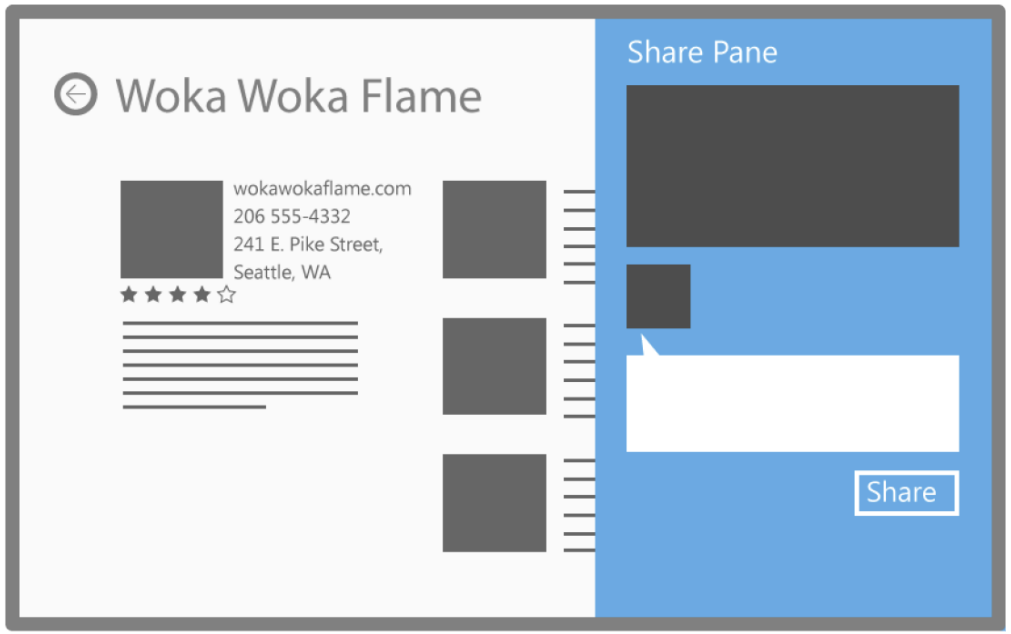
WPF Code Basics
8/9/2010 11:27 AM
612 KB

Share kontrakt

346 pixels

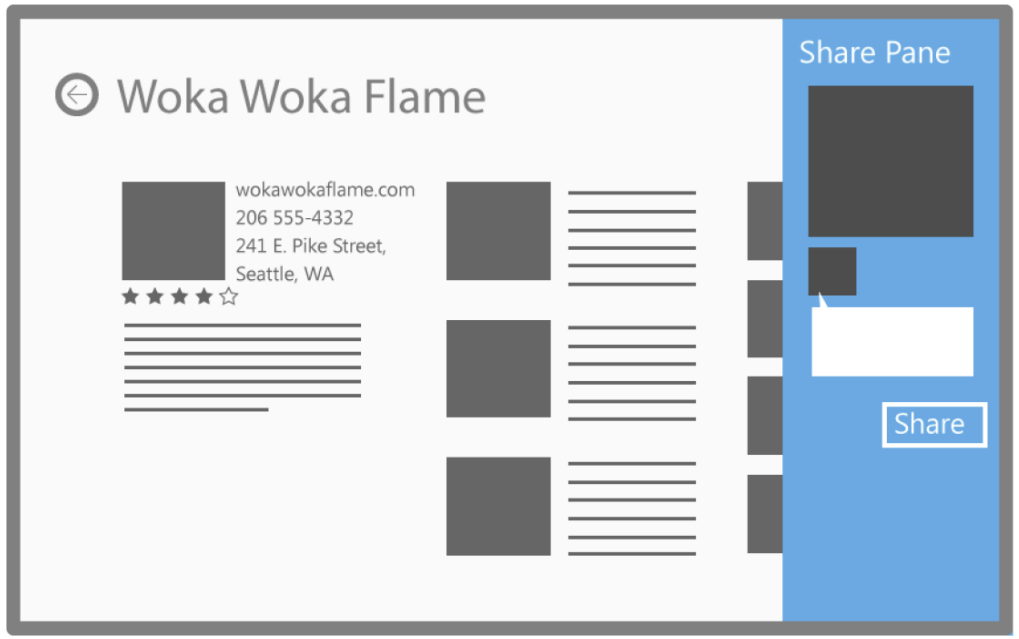


646 pixels

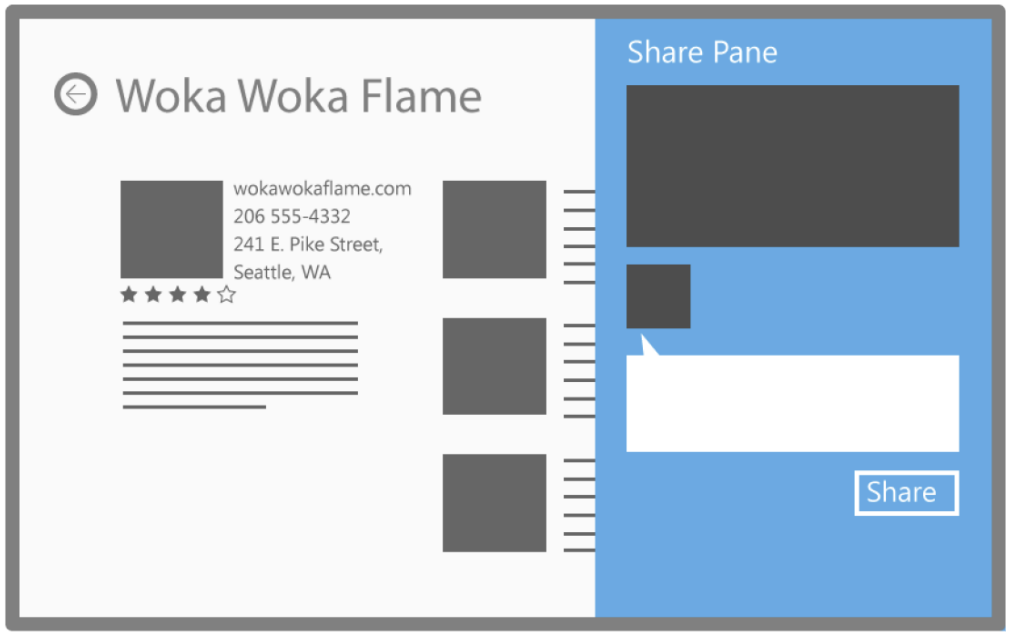


Share kontrakt

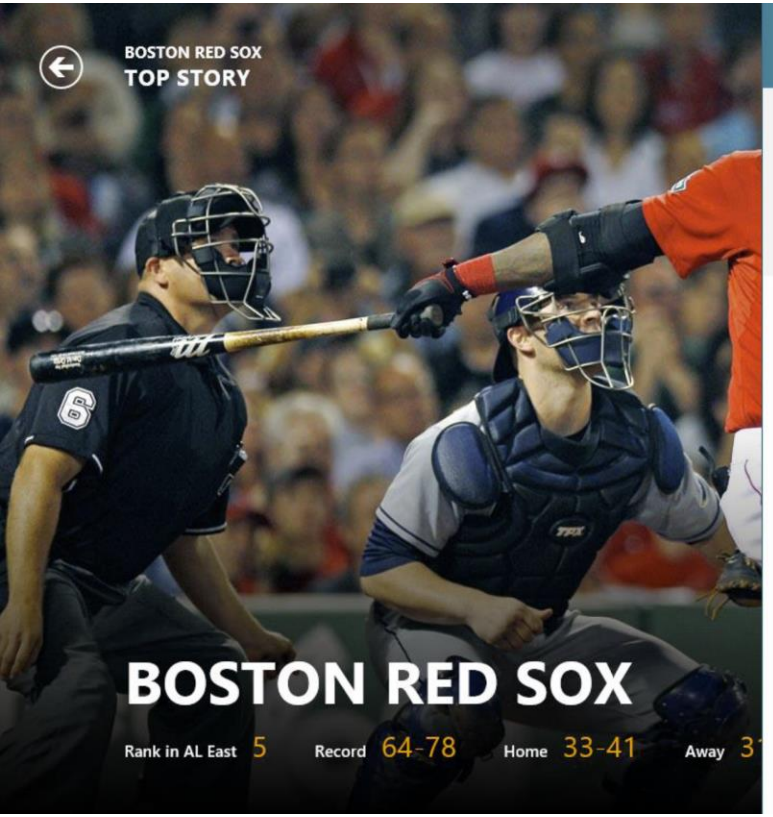
346 pixels

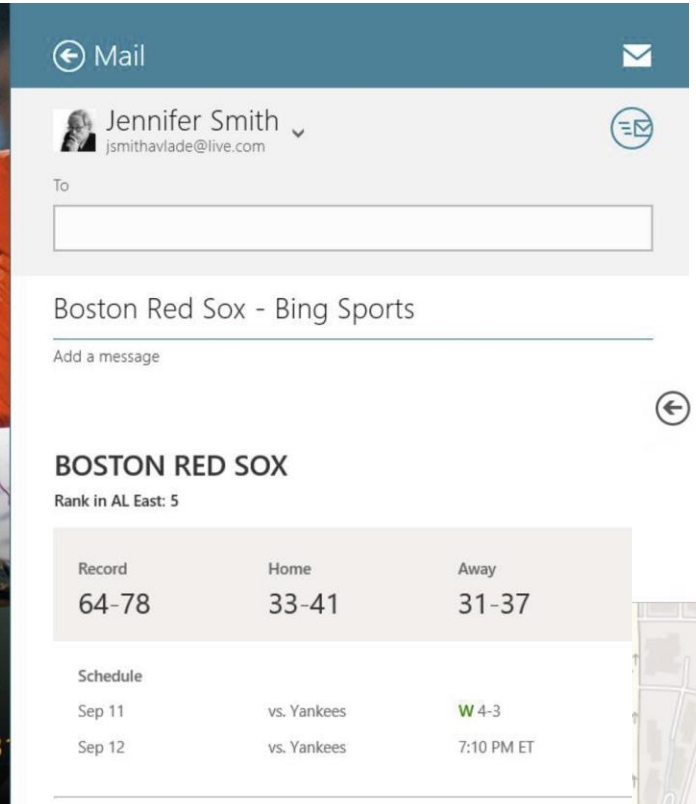


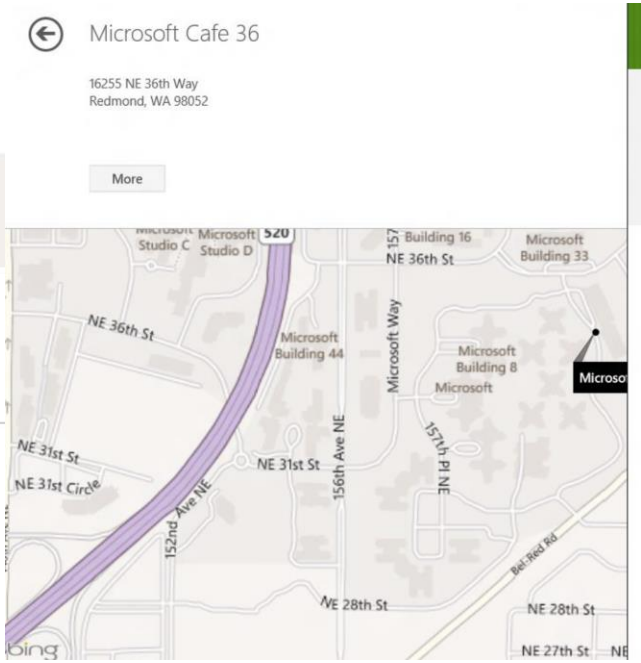
646 pixels

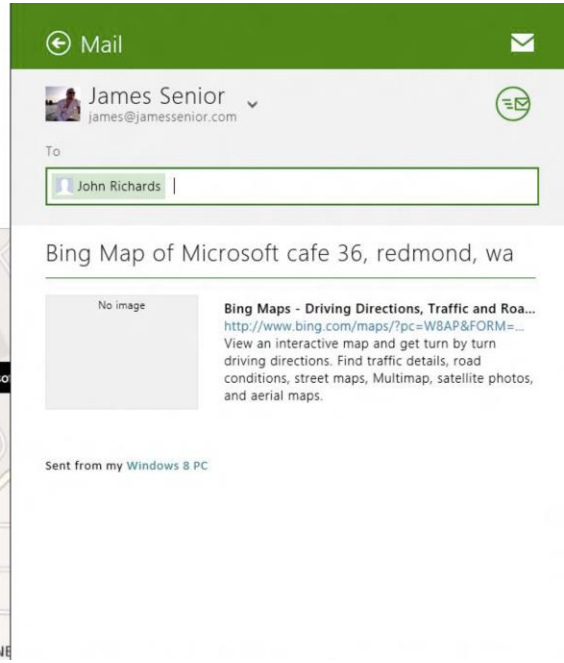


Share kontrakt









Ustawienia - Settings

- Wszystkie ustawienia aplikacji w jednym miejscu
- Intuicyjne dla użytkownika
- Nie twórz dodatkowych ustawień w obrębie aplikacji
- Przykładowe: Pomoc, O Aplikacji, Regulamin…
- Po wybraniu ustawień z Charm’a Twoja aplikacja kontroluje UI
- Zachowaj prostą strukturę i grafikę

Pakiety danych w Share

- Czysty tekst
- Sformatowany tekst
- URI
- HTML
- Obrazki
- Pliki
- Własny rodzaj danych

Wykorzystaj File Picker

- Dodatek który pozwala dostać się do contentu aplikacji skądkolwiek
- System obsługuje całe UI pickera
  - Nawigacja
  - „Koszyk” selekcji
- Masz jednak wpływ na prezentację wyników
  - Wybierz File Picker Item Template
  - Wsparcie dla ListView, Selection, Viewstate

FilesÅg My PicturesÅg

System provided navigation

Go up Sort by date Select allÅg

FacebookÅg

System provided selection basket

OK Cancel

Dotyk

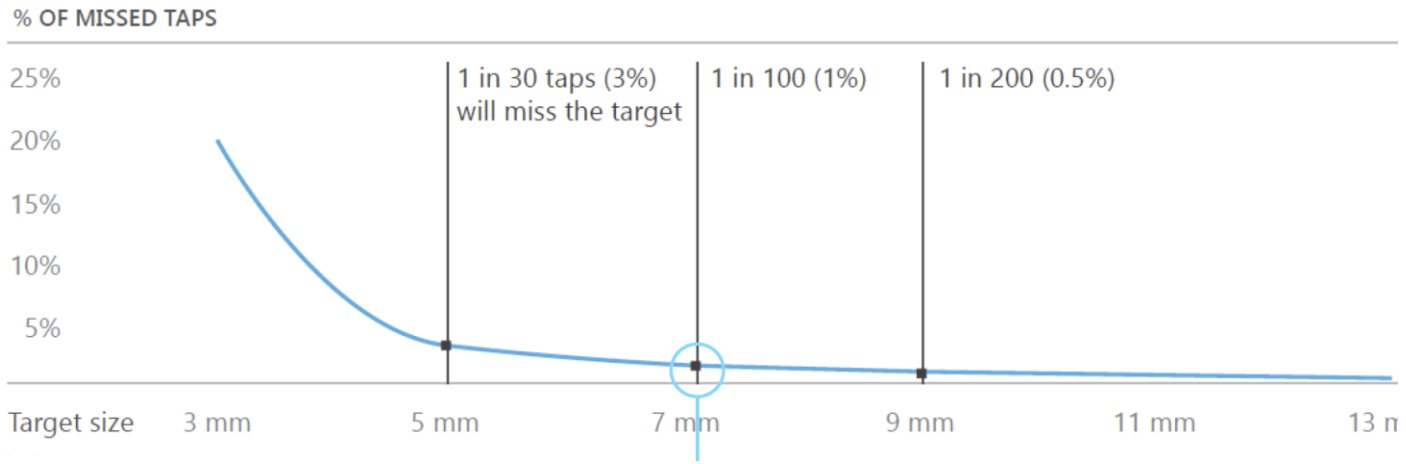
Dotyk

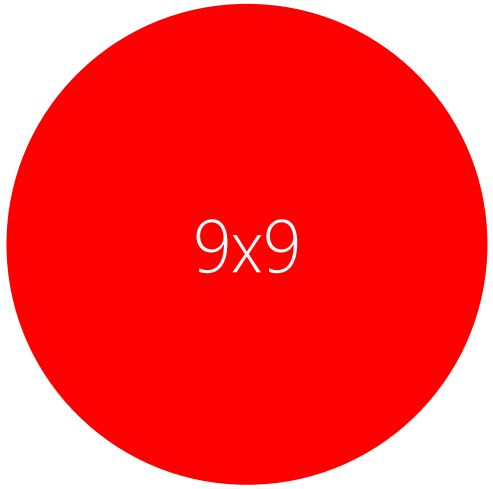
TOUCH FIRST

MOBILE FIRST

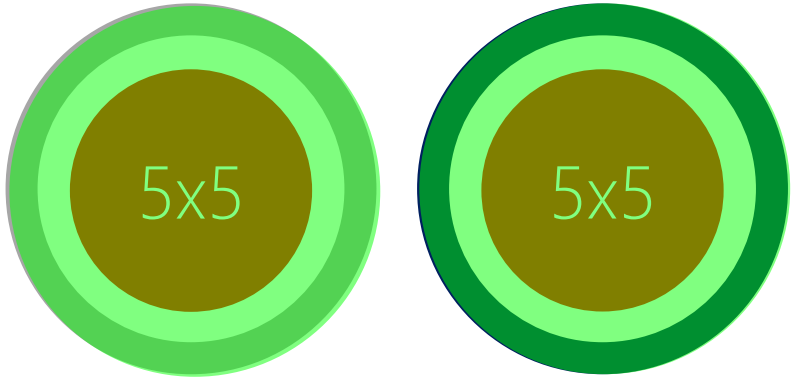
Projektując pod dotyk obsługę myszy dostajesz gratis

Dotyk

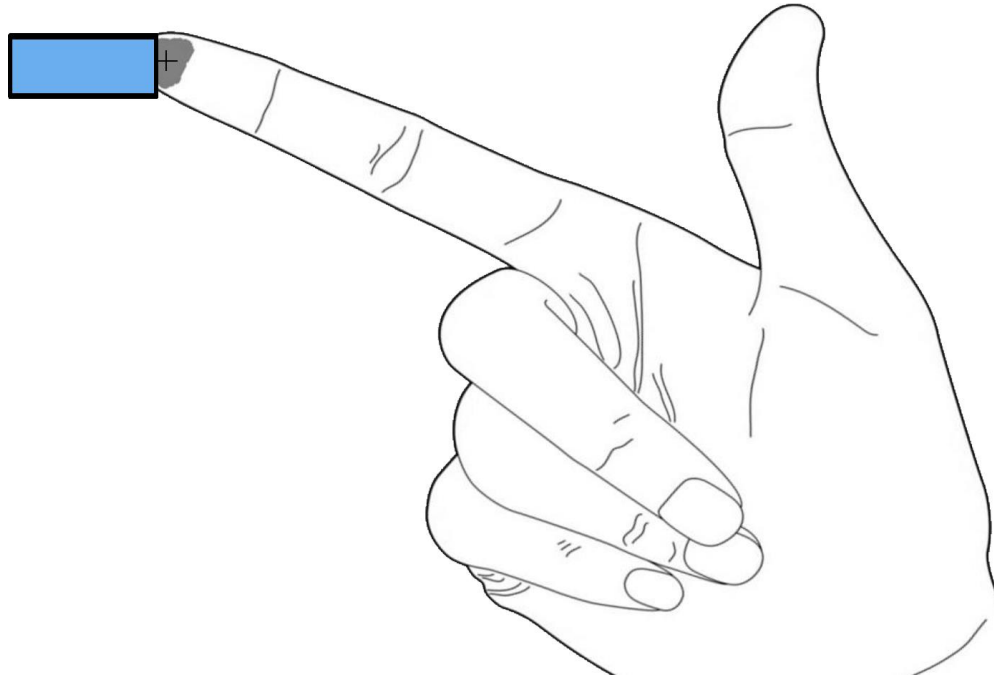




9mm9mm

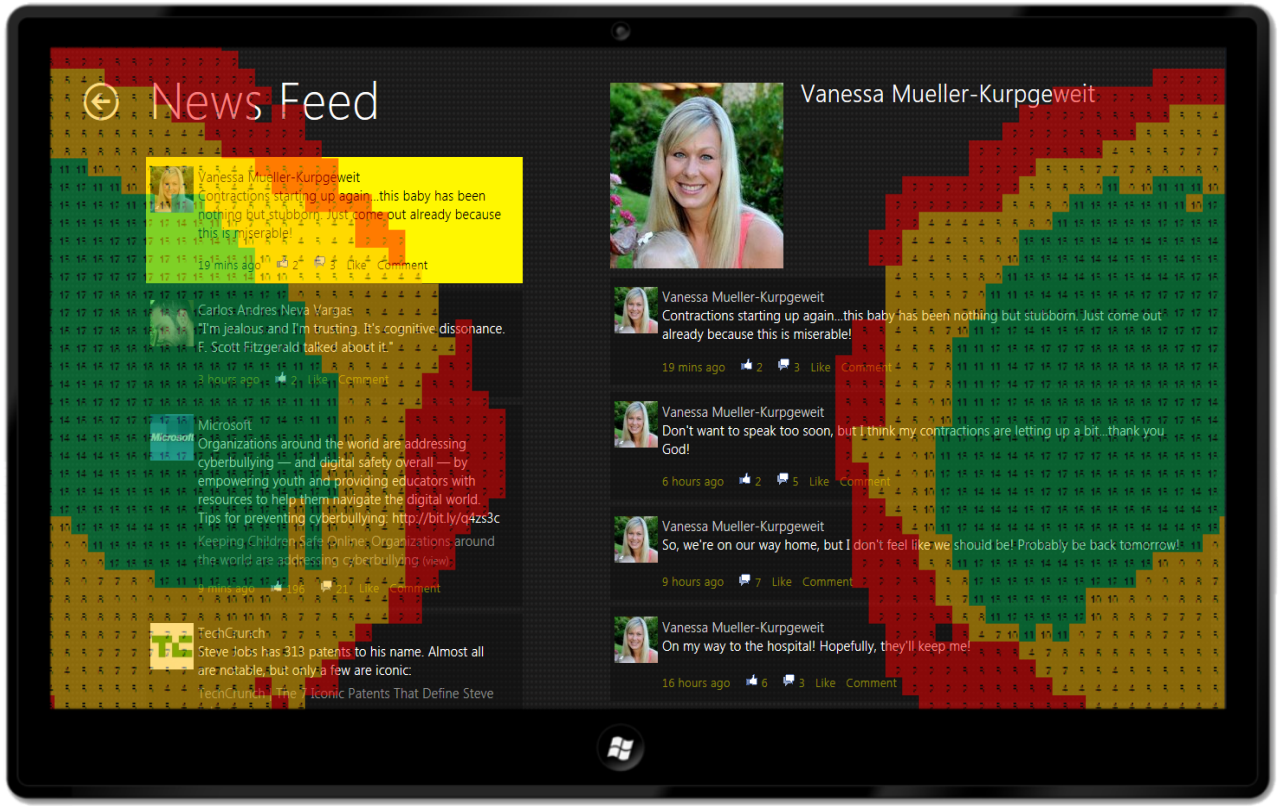


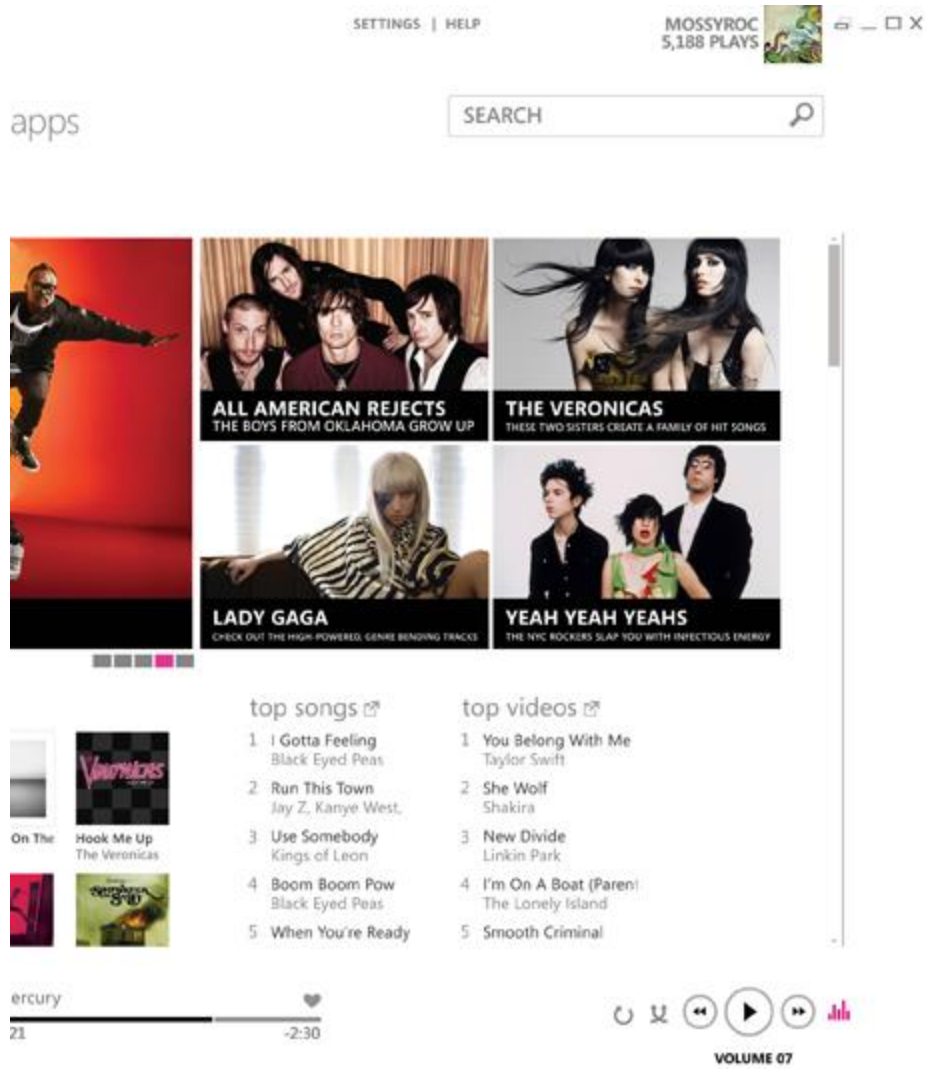
5mm5mm



Mapa wizualna

- Umieść nawigację we właściwym miejscu!



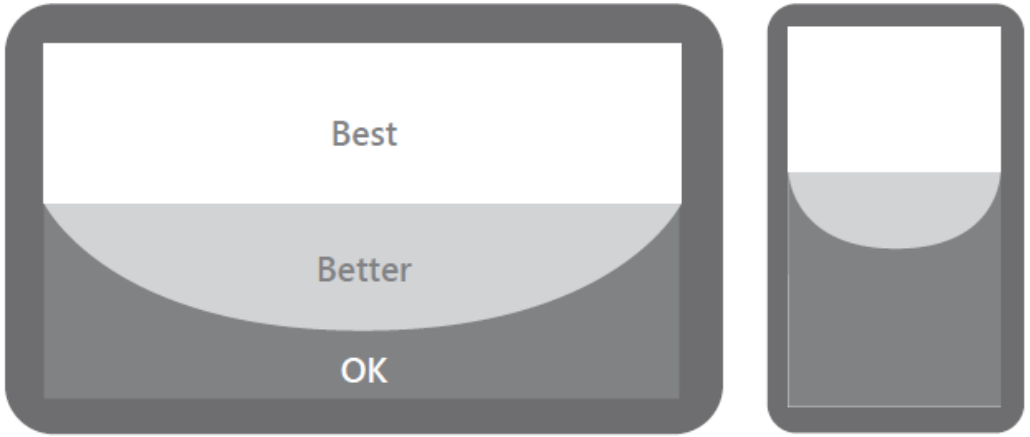


Projektowanie dla dotyku

- Niezwykle ważny jest brak opóźnień
- Operacje powinny być odwracalne, dla bezpieczeństwa
- TAP to nie jedyny event! Pamiętaj o Slide etc.
- Przesuwać można tylko w jednym kierunku

Interaction areas

Reading areas



Sklep Windows

Sklep Windows

Widoczność

Aplikacje Modern UI promowane

Kategorie Spotlight, Recommend, Browse/Filter, Search

IE10 – linkowanie do sklepu

Dotarcie

Globalne dotarcie

200+ rynków

100+ języków

Zarabianie

Darmowe

Płatne

In-App

Triale (czas / funkcje)

Reklamy

Warunki

Proces certyfikacji

Wytyczne Modern UI

Wycena

Możliwość dowolnej wyceny

70% dla nowych aplikacji

80% powyżej $25k

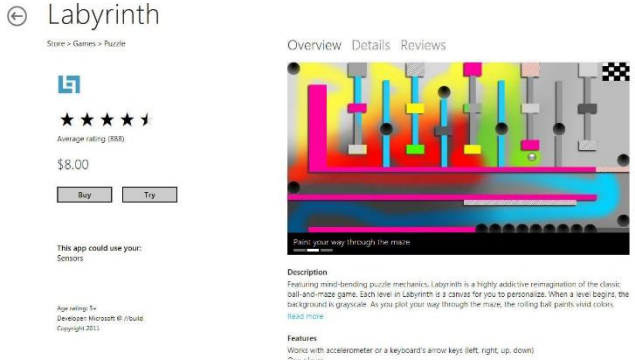
Sklep Windows

Store home

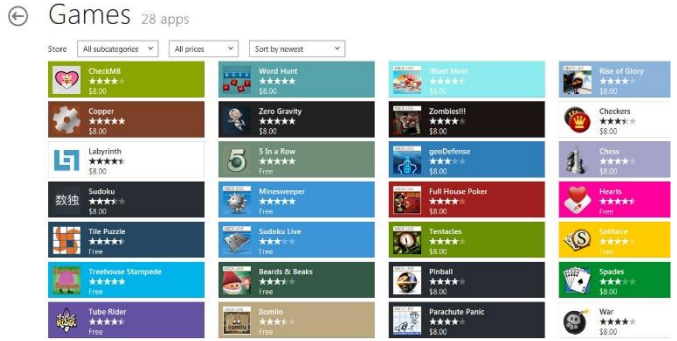
Store

Editorial promotion

App listing



Category

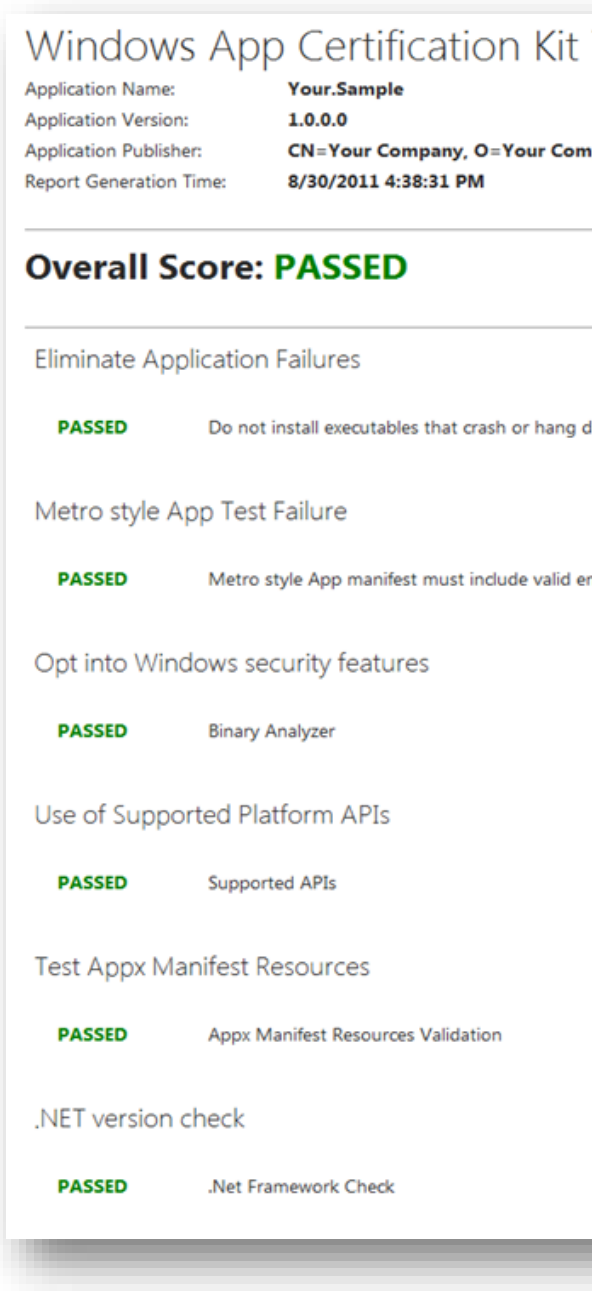


Wersja Trial

70x	10%	10x
pobrania	konwersje	zyski

Kryteria certyfikacji (celowo EN)

1. Provide value to the customer
2. Display ads but be more than ads or websites
3. Behave predictably
4. Put customer in control
5. Appropriate for global audience
6. Easily identified and understood



AccuWeather is in Microsoft Certification

Name
Selling details
Advanced features
Age ratings
Cryptography
Packages
Description
Release notes

In progress

Pre-processing

Usually done within 1 hour

Pending

Security tests

Usually done within 3 hours

Pending

Technical compliance

Usually done within 6 hours

Pending

Content compliance

Usually done within 5 days

Pending

Signing and publishing

Usually done within 2 hours

Pending

Release

Waiting until the app passes certification

In-app purchases: Animoto

App summary

Adoption
Downloads
In-app purchases
Usage

Ratings

Quality

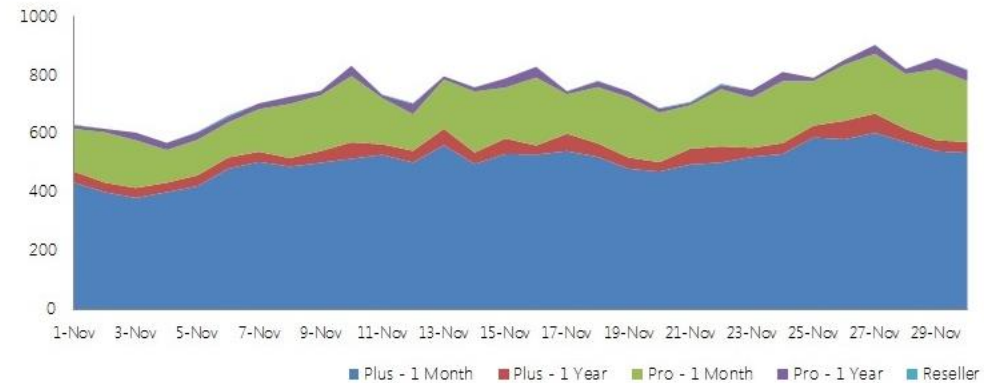
Finance

Filters

Show data for the past: 1M | 3M | 6M | 12M

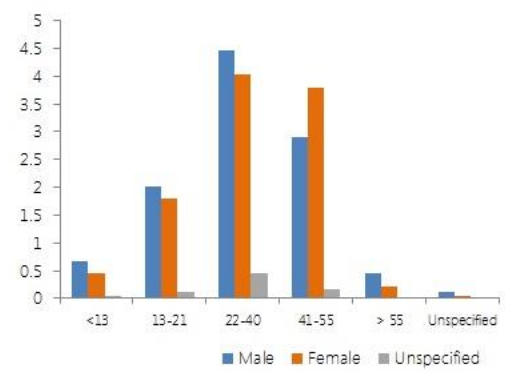
In-app purchases

In-app purchase transactions

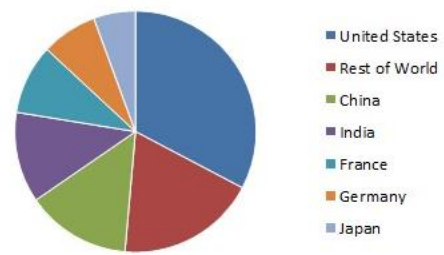


In-app purchases by age group

In-app purchase transactions (in thousands)



In-app purchases by country/region



wiele ekranów

- statystyki ranking.pl
- rozdzielczości

dpi, ppi i inne trudne skróty

Pixel Density i rozdzielczość

Skalowanie i pixel density

- Fonty, obrazki i inne elementy interfejsu lepiej prezentują się na wyższej rozdzielczości.
- Windows automatycznie skaluje zawartość w zależności od rozdzielczości oraz wartości DPI

11.6” 1366x768 135 dpi	11.6” 1920x1080 190 dpi	11.6” 2560x1440 253 dpi
100%	140%	180%

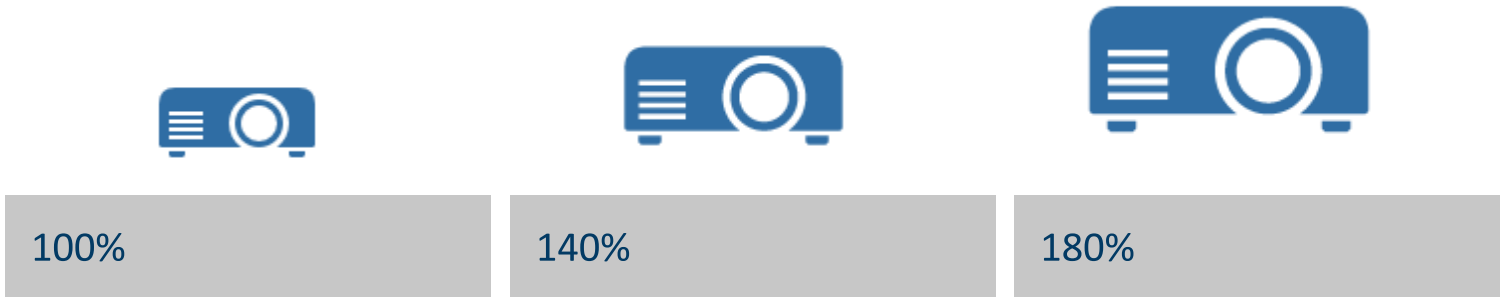
Sposoby na skalowanie

Użyj resource loader’a i załaduj odpowiednio:

```
<img src=”projector.jpg” width=80px height=80px/>
```

Lub skorzystaj ze schematu nazewnictwa plików:

```
…\projector.scale-100.jpg
\projector.scale-140.jpg
\projector.scale-180.jpg
```



Skalowanie Fontów

1x	1.4x	1.8x
20px	28px	36px
5px	7px	9px

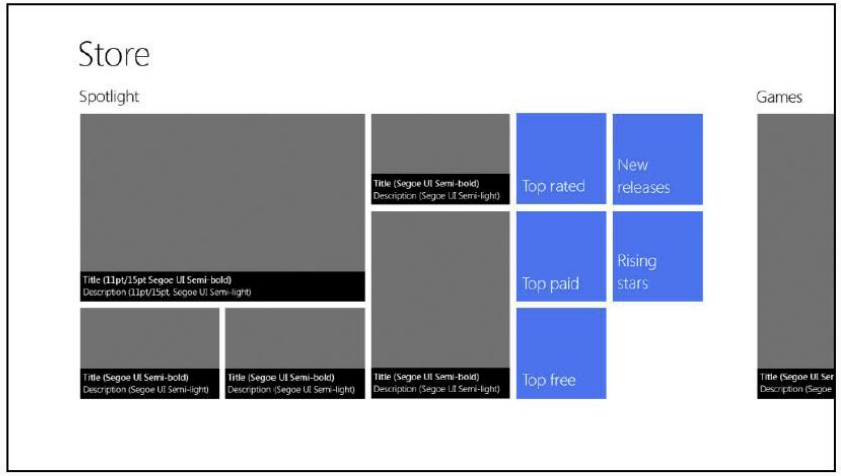
Skalowanie siatki

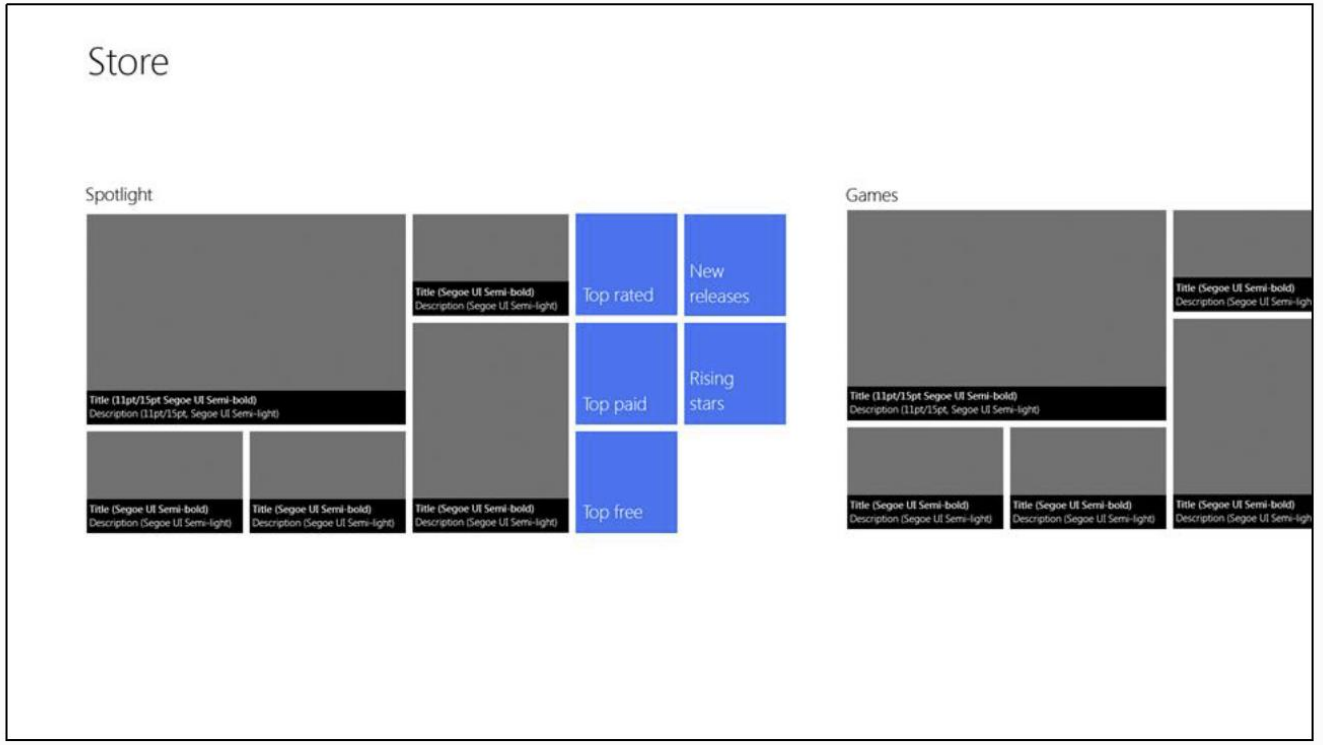
- Użycie siatki rozwiązuje problemy skalowania
- 20px/5px skaluje się bez zaokrąglania wartości

1x	1.4x	1.8x
20px	28px	36px
5px	7px	9px

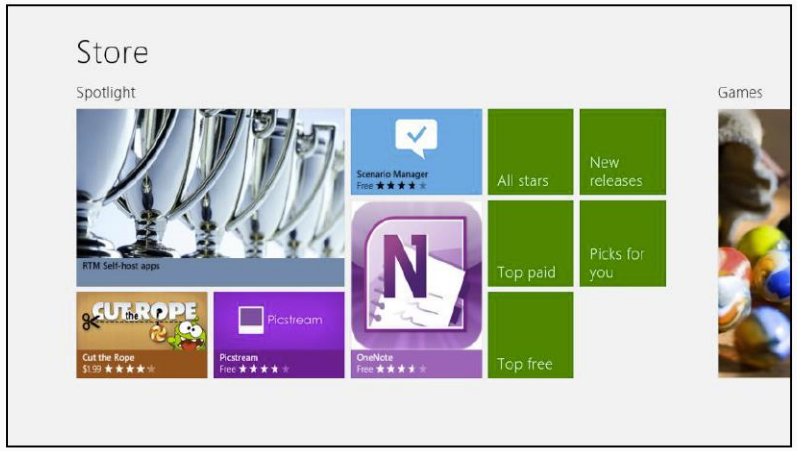
Skalowanie? A po co to komu?

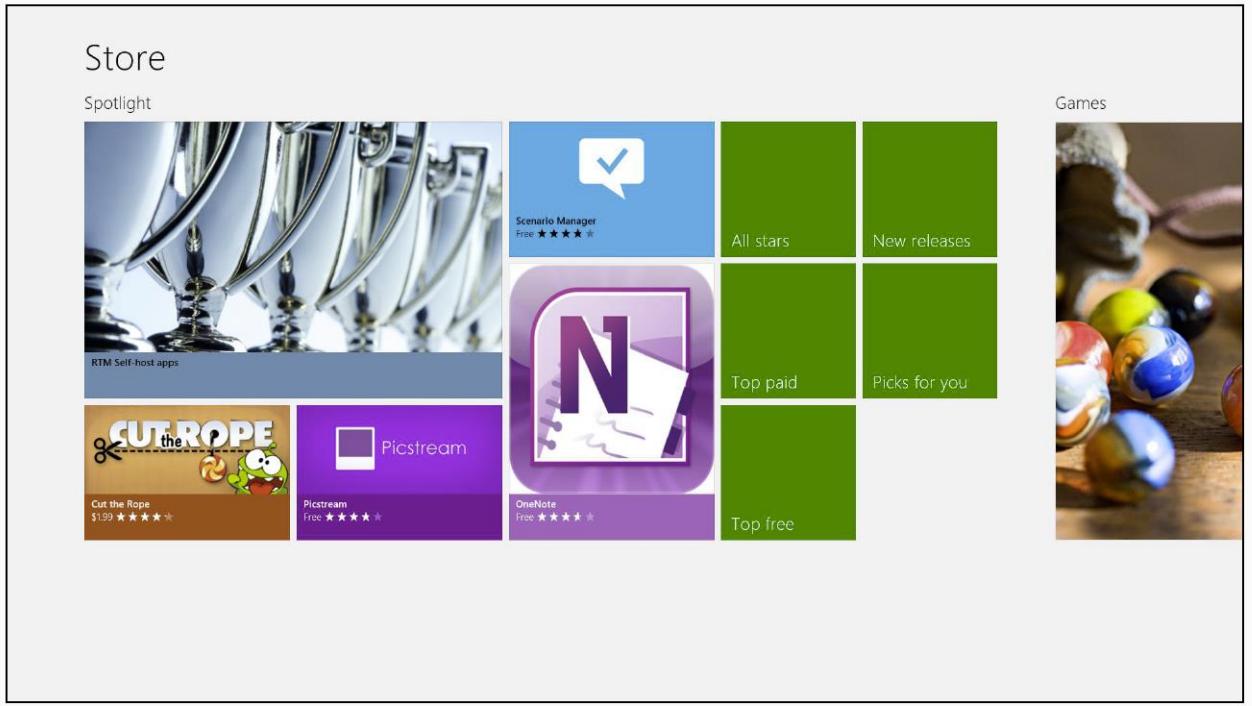
Zarządzalny whitespace



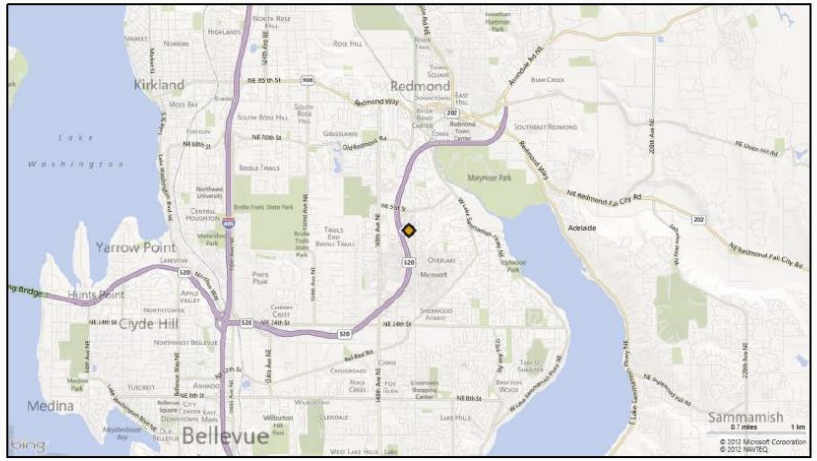


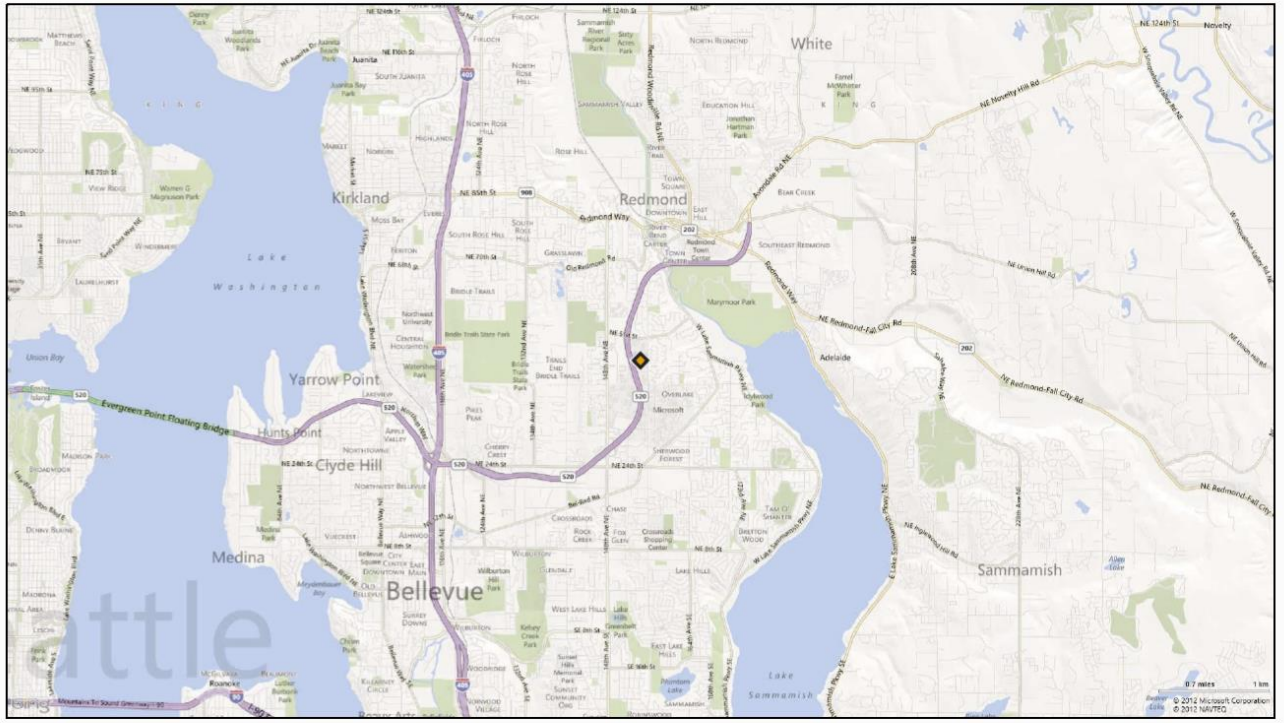
Większy content

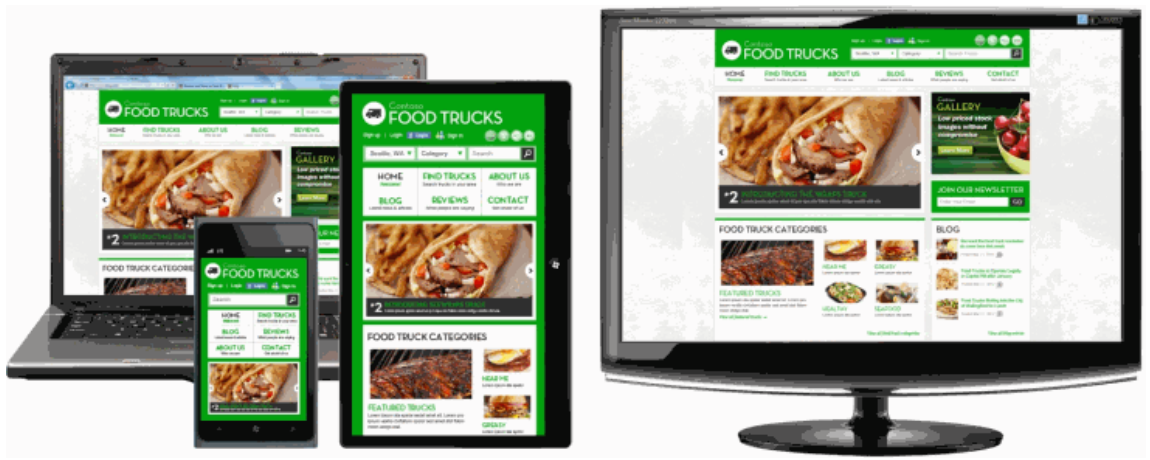


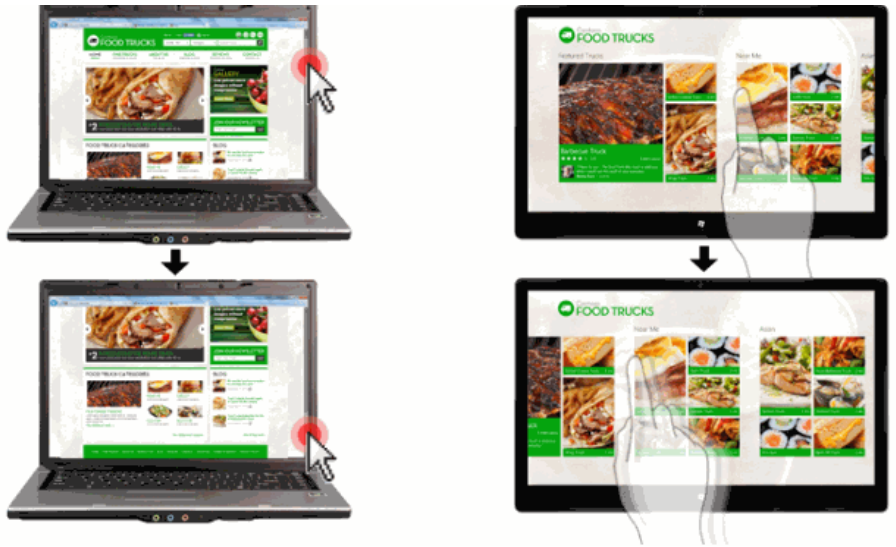


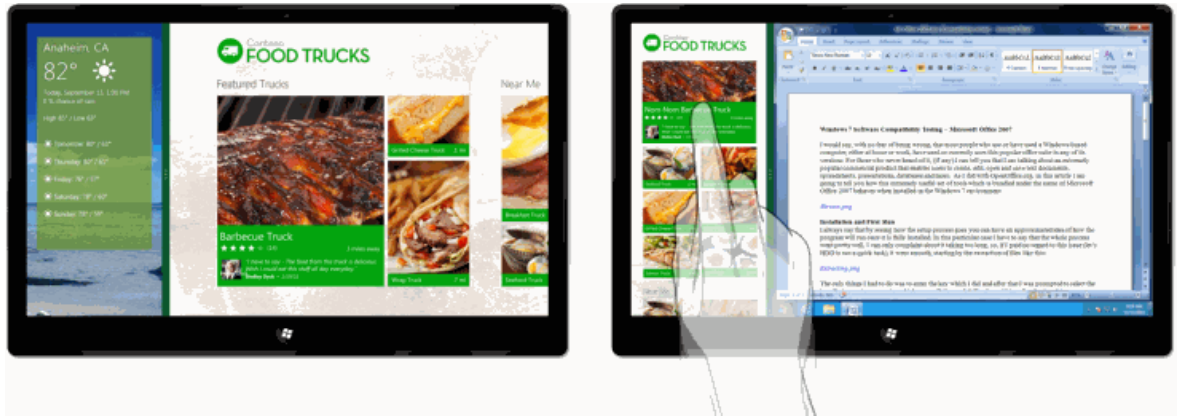
Więcej contentu

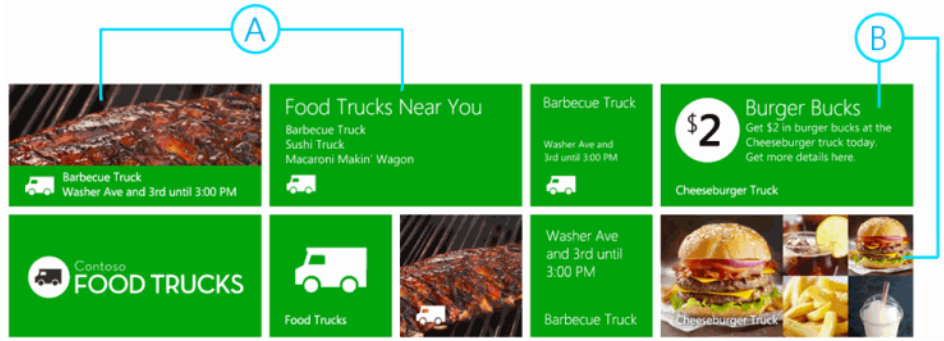




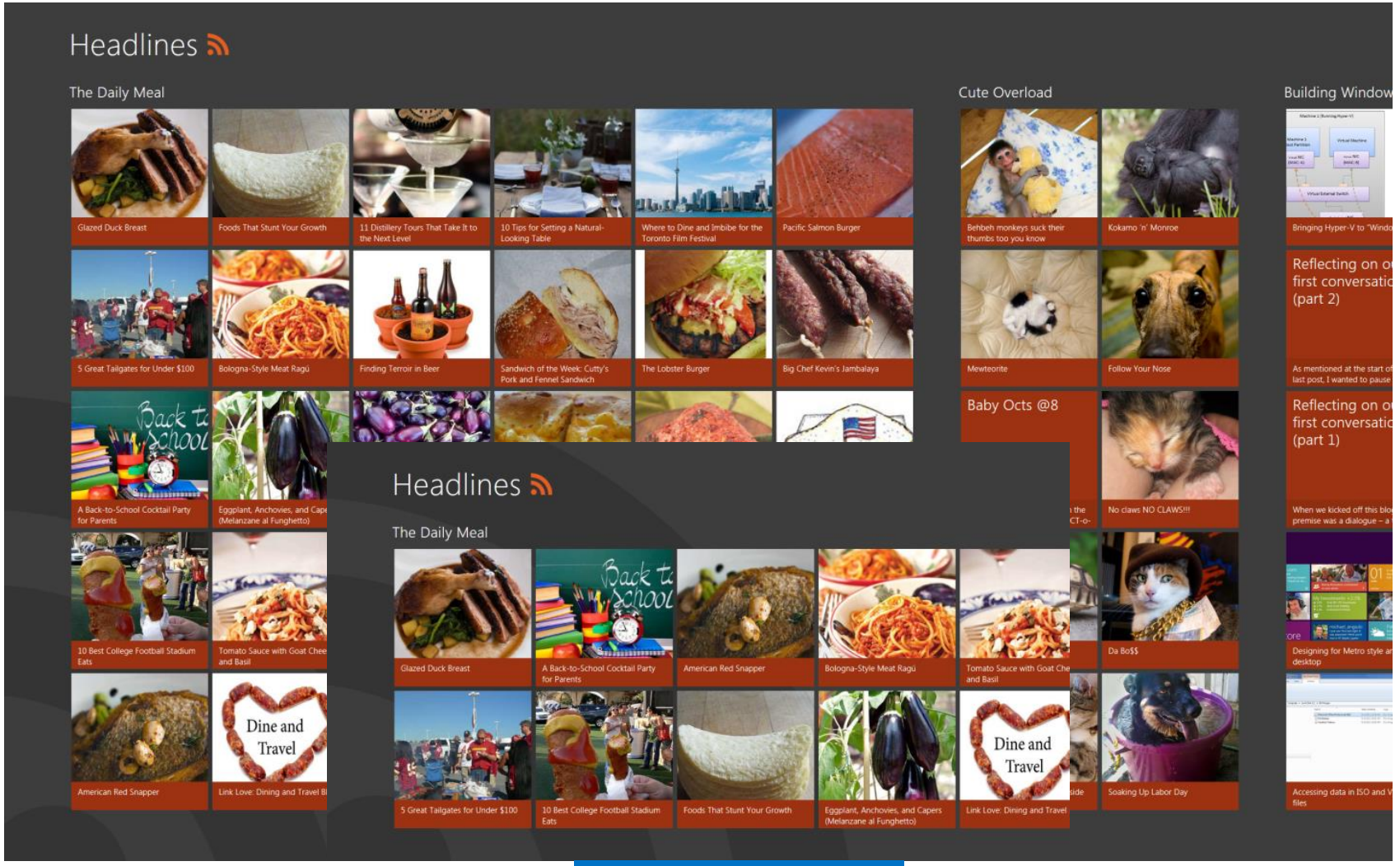

Contoso
FOOD TRUCKS
HOME
FIND TRUCKS
ABOUT US
BLOG
REVIEWS
CONTACT
GALLERY
FOOD TRUCK CATEGORIES
NEAR ME
HEALTHY
FEATURED TRUCKS
JOIN OUR NEWSLETTER


Contoso
FOOD TRUCKS


Anaheim, CA
82°
Contoso
FOOD TRUCKS
Featured Trucks
Near Me
Barbecue Truck


A
B
Food Trucks Near You
Barbecue Truck
Sushi Truck
Macaroni Makin' Wagon
Barbecue Truck
Washer Ave and 3rd until 3:00 PM
$2
Burger Bucks
Get $2 in burger bucks at the Cheeseburger truck today.
Get more details here.
Cheeseburger Truck
Contoso
FOOD TRUCKS
Food Trucks
Washer Ave and 3rd until 3:00 PM
Barbecue Truck

Przykładowe rozmiary ekranów i aplikacja



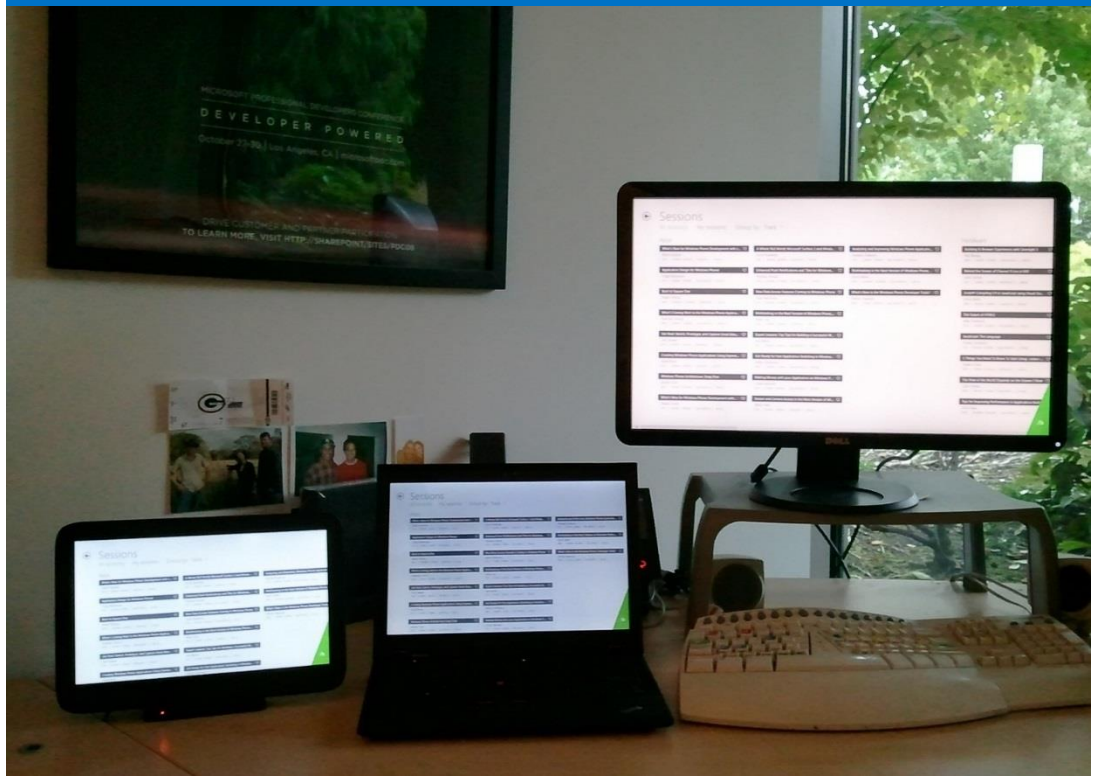
11.6" 1366x768

Rozmiary w Windows 8

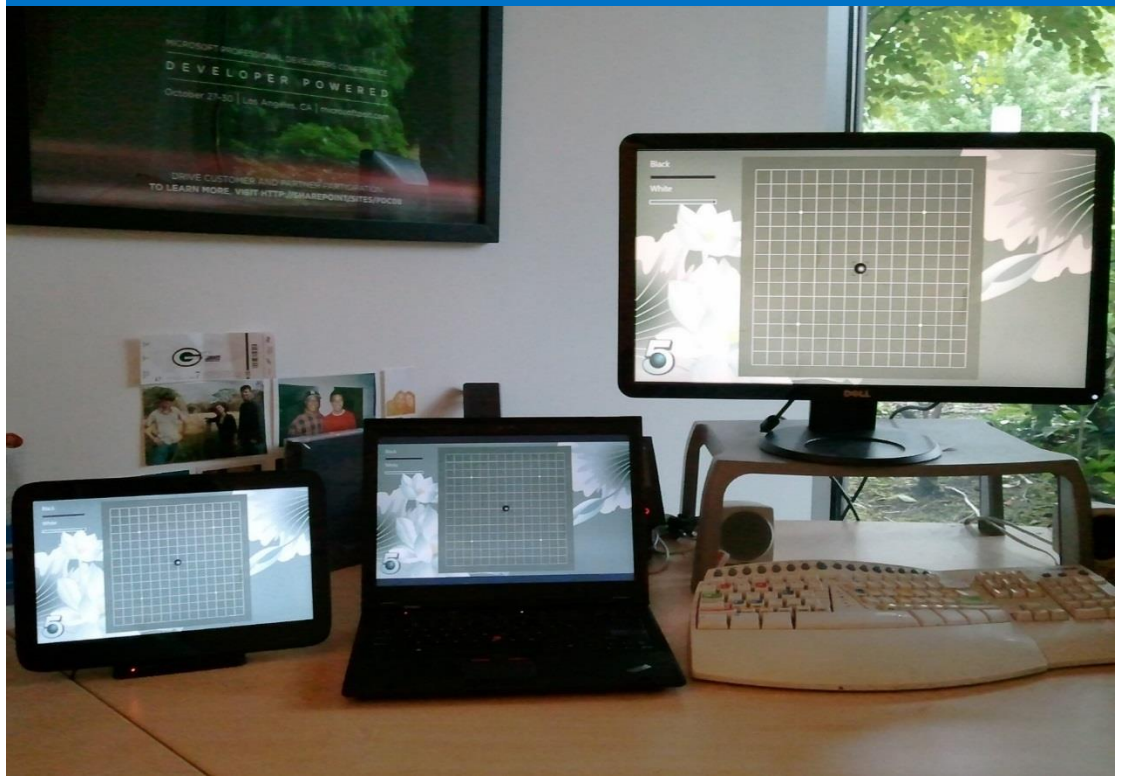
- Aplikacje powinny być maksymalnie skalowalne
- Minimalna rozdzielczość to 1024x768px
- Rozpoczynamy projektowanie od 1366x768px
- Aplikacja zajmuje 100% ekranu
- Używaj VS Simulator aby sprawdzić jak aplikacja prezentuje się na wielu rozdzielczościach

Schematy layoutu aplikacji

Skalowalny
Dynamicznie dostosowuje się do rozdzielczości ekranu.



Fixed
Elementy układu aplikacji nie są dynamicznie dostosowywane i nie skalują się w obrębie aplikacji.



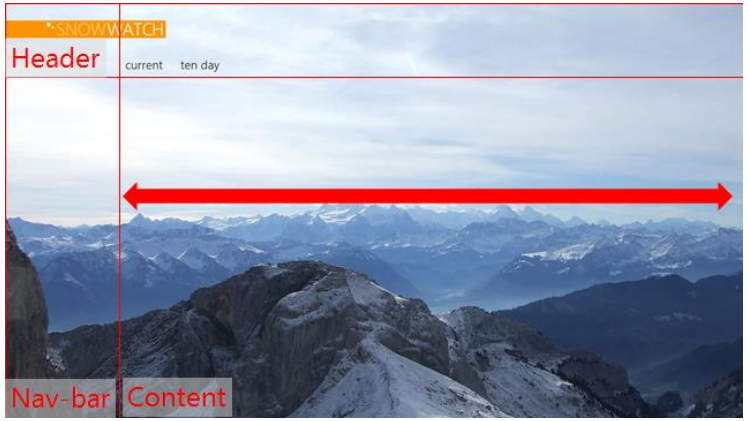
Skalowalny layout z HTML5 i CSS3

CSS Grid

Wykorzystanie CSS3 do stworzenia siatki

Elementy wewnątrz aplikacji są elastyczne

Możliwe użycie CSS3 Media Queries

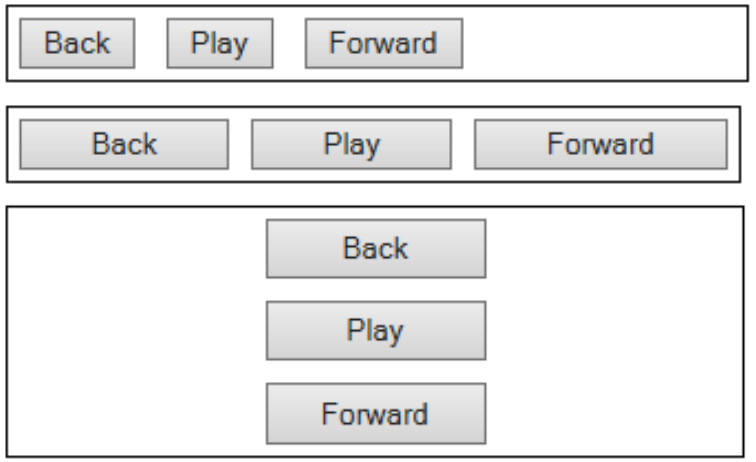


CSS FlexBox

Umożliwia zarządzanie porządkiem elementów

Rozmieszczenie elementów jest elastyczne

Łatwa zmiana układu vertical - horizontal

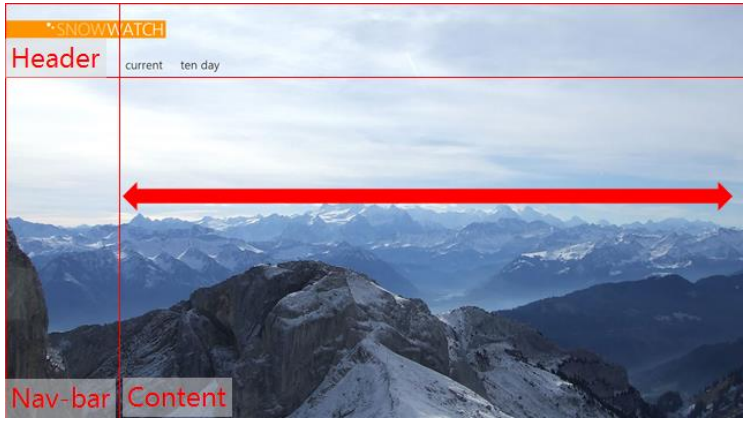


Skalowalny layout z XAML

Grid

Stały rozmiar dla headera i marginesów

Użycie * na elementach spowoduje elastyczne skalowanie

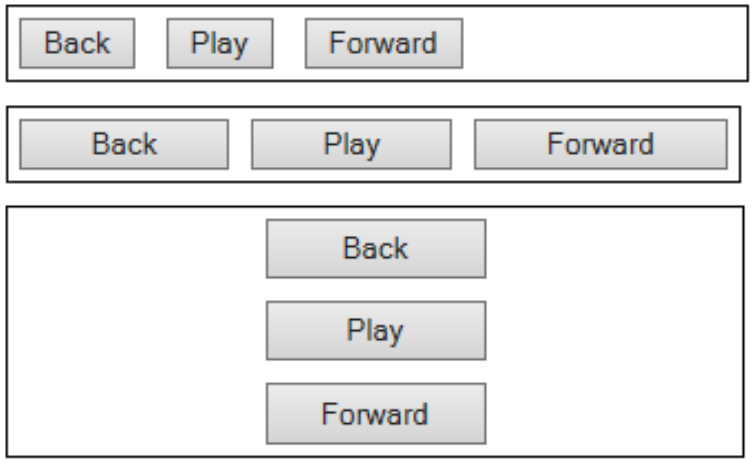


StackPanel

Układ pionowy lub poziomy elementów

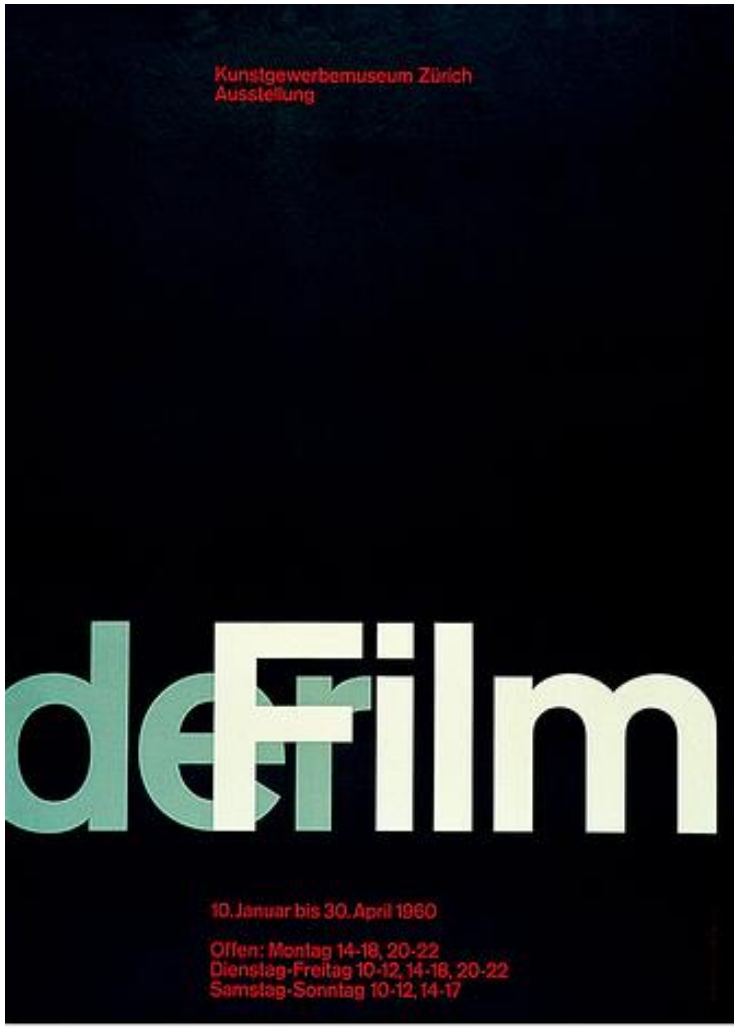
Wypełniają dostępną przestrzeń

Możliwa zmiana orientacji



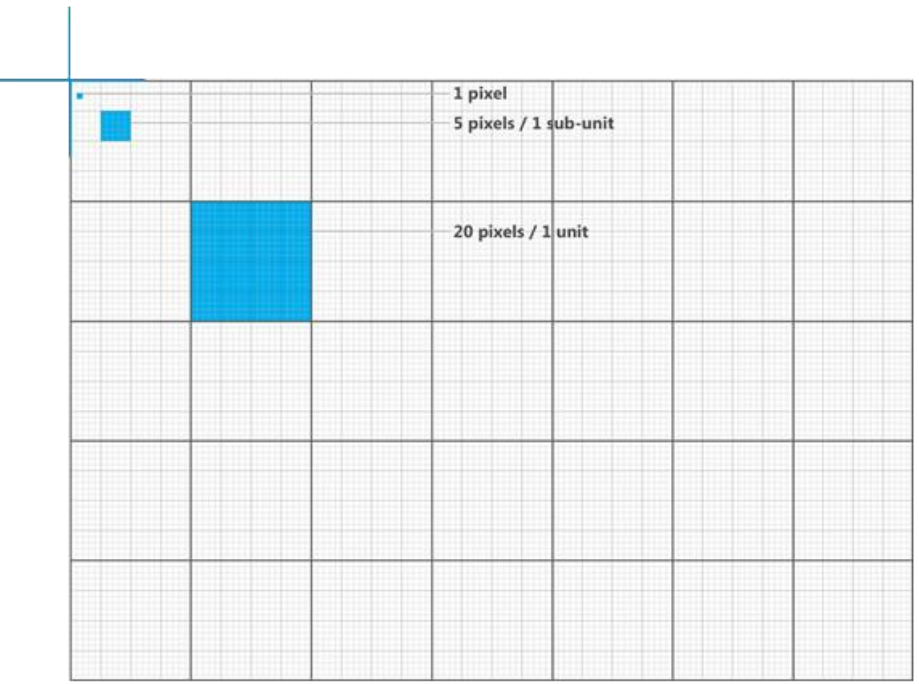
The Grid System
The ultimate resource in grid systems.
"The grid system is an aid, not a guarantee. It permits a number of possible uses and each designer can look for a solution appropriate to his personal style. But one must learn how to use the grid; it is an art that requires practice."
Josef Müller-Brockmann
Articles
Tools
Books
Templates
Applying Divine Proportion to Your Web Designs
This article explains what is the Divine proportion and what is the Rule of Thirds and describes how you can apply both of them effectively to your designs.
01.Dec.2008
Syncotype
Syncotype is a simple tool to help align your text to a baseline grid. Enter your line height and offset in pixels in the Syncotype control box and click "Syncotype it" to overlay a baseline grid in red.
01.Dec.2008
The Typographic Grid
We consider this to be the academic part two to "Grid Systems." Hans Rudolf Bosshard tackles a deeper understanding of the complex grid.
30.Nov.2008
InDesign 8.5x11 Grid System (12)
Adobe InDesign file with a grid system for an 8.5"x11" page that is divided into 12 columns and rows using the Rule of Thirds (Golden Ratio). Includes a 12pt baseline grid.
29.Nov.2008

beethoven
Opernhaus Zürich
Internationale
Juni-Festwochen 1967
Opernhaus
Zürich
Samstag, 14. Mai 1966, 20 Uhr, Neuinszenierungen
Maurice Ravel
Die spanische Stunde
Musikalische Komödie
Musikalische Leitung: Christian Vöchting
Inszenierung: Otto Schenk
Bühnenbild: Günther Schneider-Siemssen
Kostüme: Ronny Reiter
Daphnis und Chloe
Ballett nach dem Libretto von Michael Fokin
Musikalische Leitung: Christian Vöchting
Choreographie und Inszenierung: Nicolas Beriozoff
Bühnenbild und Kostüme: Toni Businger
Chöre: Hans Erismann


Kunstgewerbemuseum Zürich
Ausstellung
deFilm
10. Januar bis 30. April 1960
Offen: Montag 14-18, 20-22
Dienstag-Freitag 10-12, 14-18, 20-22
Samstag-Sonntag 10-12, 14-17

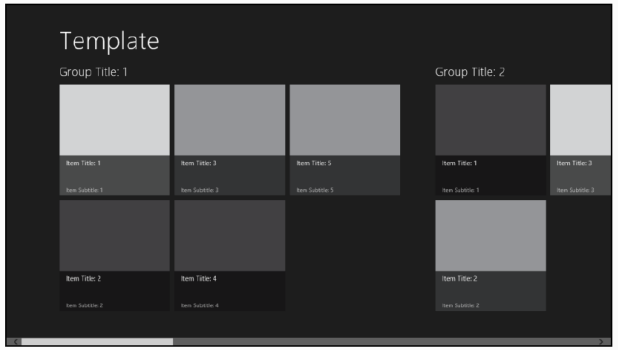
SBB CFF FFS

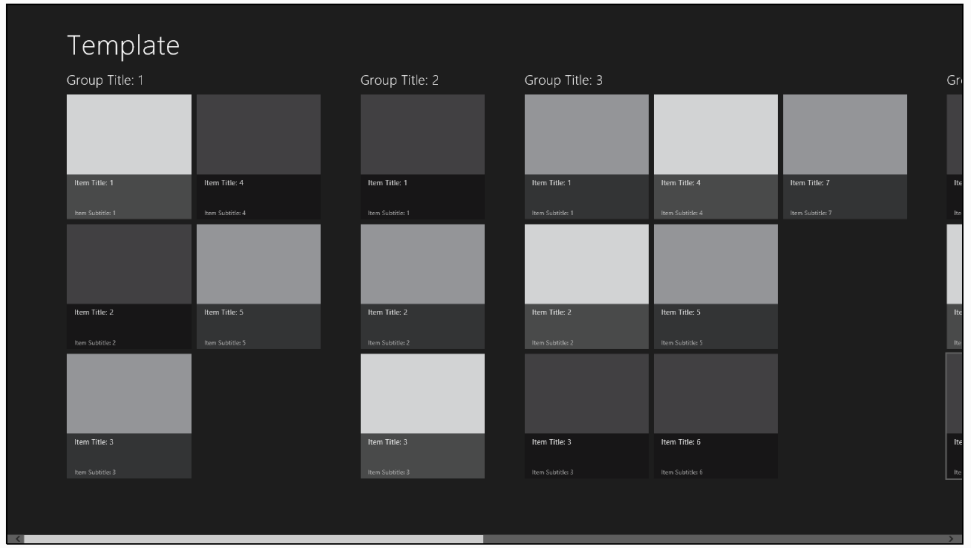
Grid w Windows 8



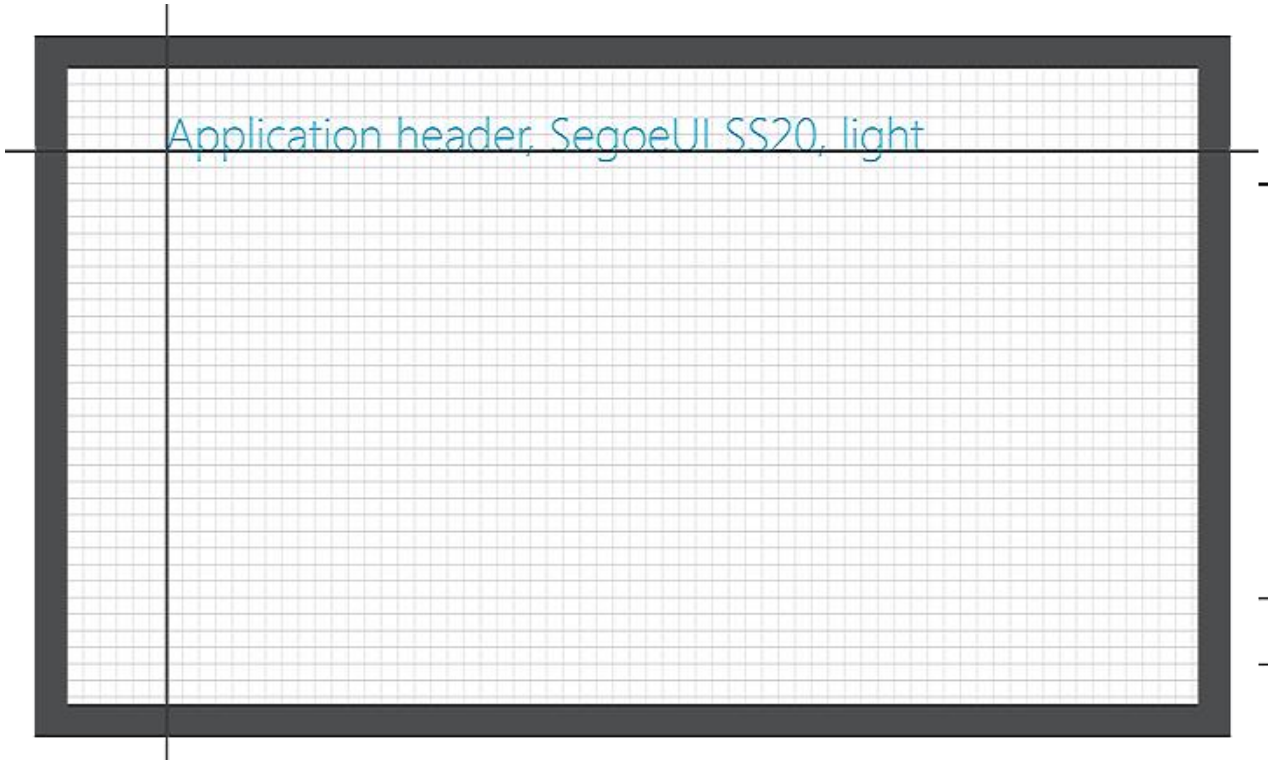
Założenia

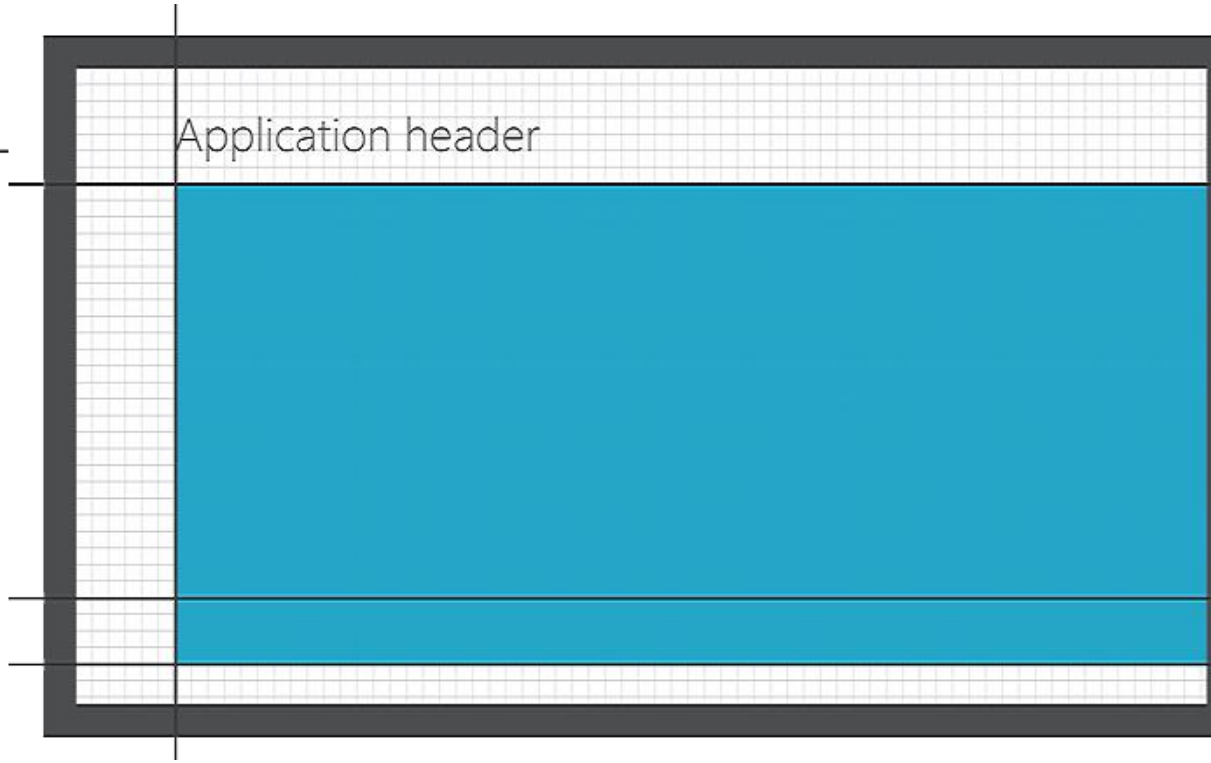
- Wykorzystanie Grida umożliwia skalowalność
- Layout jest bardziej poukładany i solidny
- Wykorzystaj szablony .psd od Microsoft





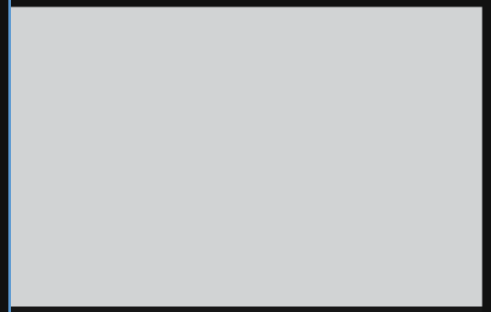
Grid w Windows 8



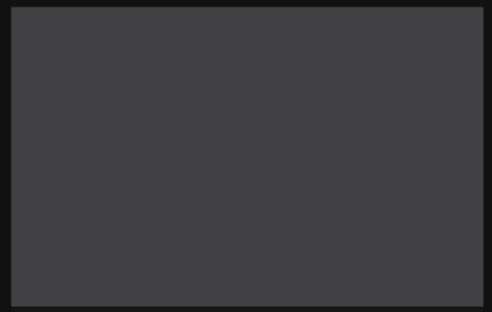


Grid

Collection title lorem 0



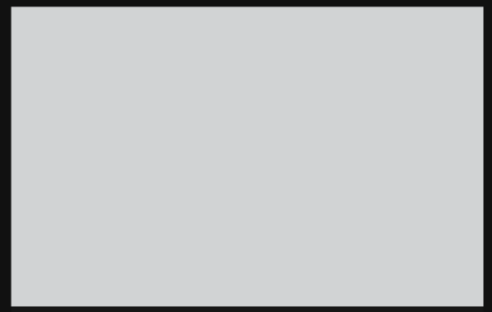
0.0 ÅSed nisl nibh, eleifend posuere.
Phasellus faucibus



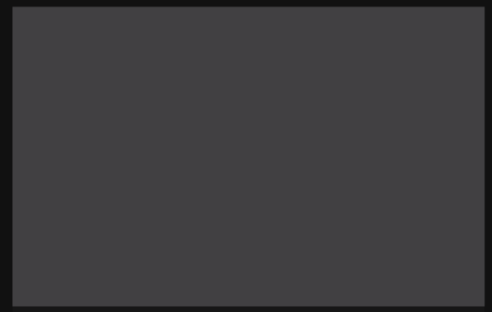
0.2 ÅSed nisl nibh, eleifend posuere.
Phasellus faucibus

0.4 ÅSed nisl nibh, eleifend posuere.
Phasellus faucibus

0.1 ÅSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus

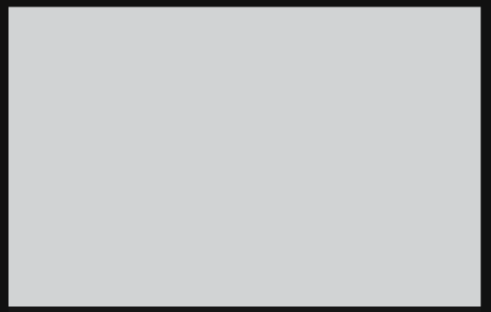


0.3 ÅSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus



0.5 ÅSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus

Collection title lorem 1



1.0 ÅSed nisl nibh, eleifend posuere.
Phasellus faucibus

1.2 ÅSed nisl nibh, posuere.
Phasellus faucibus

1.1 ÅSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus

1.3 ÅSed nisl nibh, posuere laoreet eg quis lorem.
Phasellus faucibus

Headlines

The Pioneer Woman

A Sandwich a Day: Egg and Chorizo Torta from Tortas

Snapshot from Ecudor: Making Chicha at the Edge of the Amazon

Would You Hire This Man?

How to brew your own Munich Helles for Oktoberfest

Closet Cooking

Pasta with Whiskey, Wine, and Mushrooms

Chipotle Steak Salad

Spicy Beans

In the meantime

Just Bento

Caffe Press Higher Custom

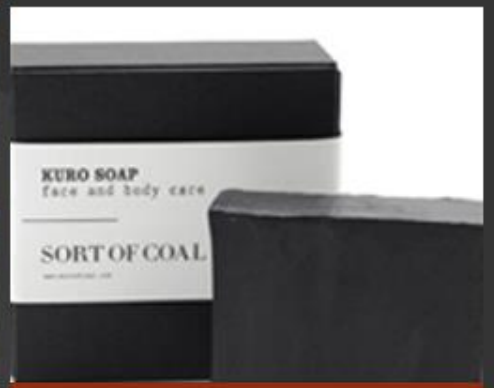
Gilt City 3,300 America Package

Gilt City deals on reser

Headlines

Design Milk

Gorgeous Long Exposure Photographs by AppuruPai



Sort of Coal

A New Way To Watch TV: Peel

Friday Five with Thien Ta Trung

Bachag Chair by Joongho Choi

Sand by Yukihiro Kaneuchi

Stacking Vessels by Pia Wüstenberg

See more

Core77

London Design W
Preview: Argonau

Biophilia at One

Headlines

Design Milk

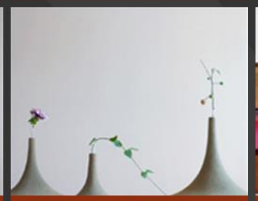
Gorgeous Long Exposure Photographs by AppuruPai

Sort of Coal

A New Way To Watch TV: Peel

Friday Five with Thien Ta Trung

Bachag Chair by Joongho Choi


Sand by Yukihiro Kaneuchi

Stacking Vessels by Pia Wüstenberg

See more

Core77

London Design W Preview: Argona

Biophilia at One

Tweet@rama

Timeline

nytimes
The New York Times
Strauss-Kahn Arrives at New York's Kennedy Airport
http://t.co/gH384dH
5 minutes ago Retweet

weatherchannel
The Weather Channel
Second #lightning delay at U of Michigan game in Ann Arbor. More t-storms are on the way behind this isolated cell: http://t.co/zx5PbLL
33 minutes ago Retweet

nytimes
The New York Times
The Caucus: Palin Rails Against 'Crony Capitalism' and 'Career Politicians' http://t.co/Z9JxVLz
44 minutes ago Retweet

BreakingNews
Breaking News
More football weather woes: Lightning delays Western Mich-U of M game in 3rd quarter

What's Happening?

Tweet

MartensBen
Ben Martens
Anyone want to meet at the coffee shop later this afternoon?
less than a minute ago

MartensBen
Ben Martens
Wow, look at this interesting link:
http://t.co/QVCUHJE
less than a minute ago

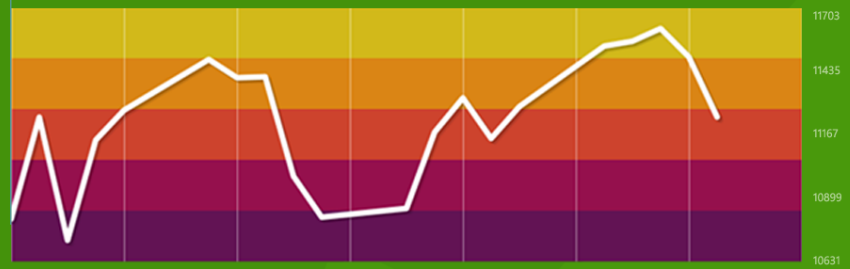
MartensBen
Ben Martens

Following (7)

- weatherchannel
- BuildWindows8
- nytimes
- MSFTnews
- bing
- Reuters
- BreakingNews

Stocks

DOW NASDAQ MSFT



W M Y

Change
▼ -253.3
Interactive Data Real-Time Services, delayed (Sat Sep 3 15:44:38 PDT 2011)

Last trade	11240.26	Last trade time	Fri 1:05 PM PDT
Open	11492.06	Day's range	11211.35 - 11492.14
Vol. (Mil)	174.65	52 week range	10321.84 - 12876.00

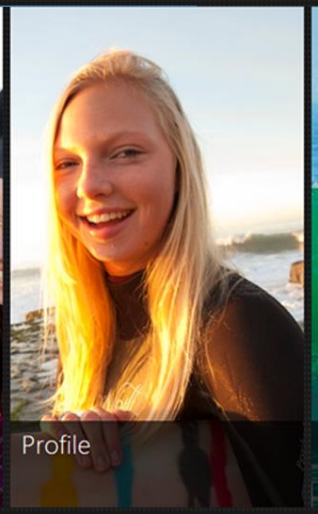
Market news for Dow Jo

Stocks break four-week losing streak
The Dow Jones industrial average (INDU) rose 135 points, or 1.2% ...

Stocks Sink After Jobs Report
The Dow Jones industrial average (INDU) slid 245 points, or 2.1% ...

Socialite

News Feed


Profile

Photos

Friends

Metro style design

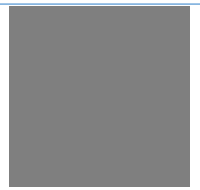
Page title
Baseline at 100px

Content area
Top aligned at 140px

Silhouette

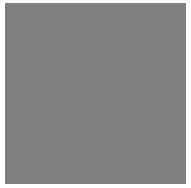
In the absence of chrome when people are focusing on the content, the formation of the content is what lets people recognize something as Metro style before their eyes even process it. Creating a silhouette is about leveraging negative space and content placement to establish a recognizable form.

Content area
Left margin 120px



Establish common anchors

Identify commonalities between different pages, and present those elements in a consistent manner.



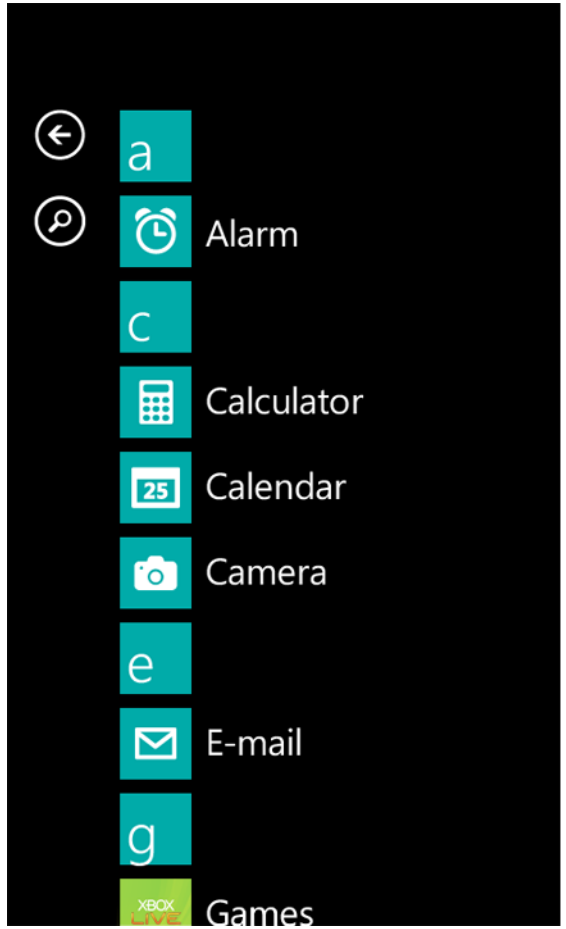
Use a stable rail

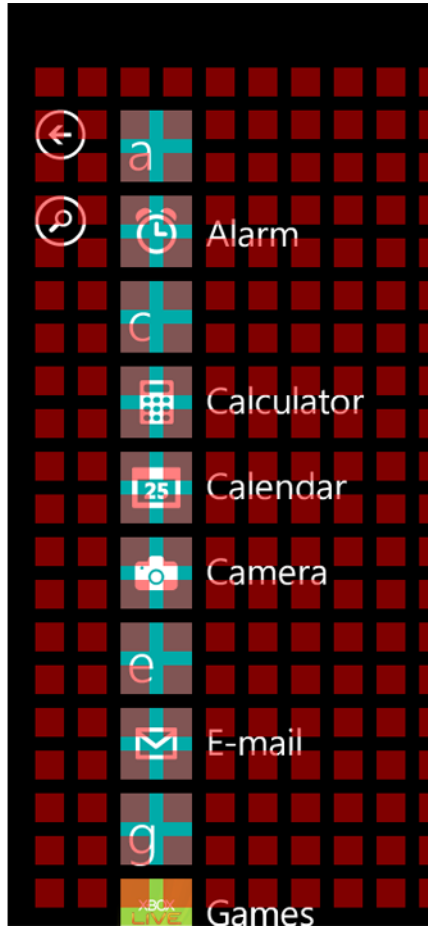
When content goes off screen, let it move from edge to edge along a single axis. Let off screen objects peek in and use negative space to create a visual rail.

Create a focal point

Select a hero for your content, and add visual volume to it to make it the first thing that catches people's eyes.

Grid w Windows Phone





Kolory

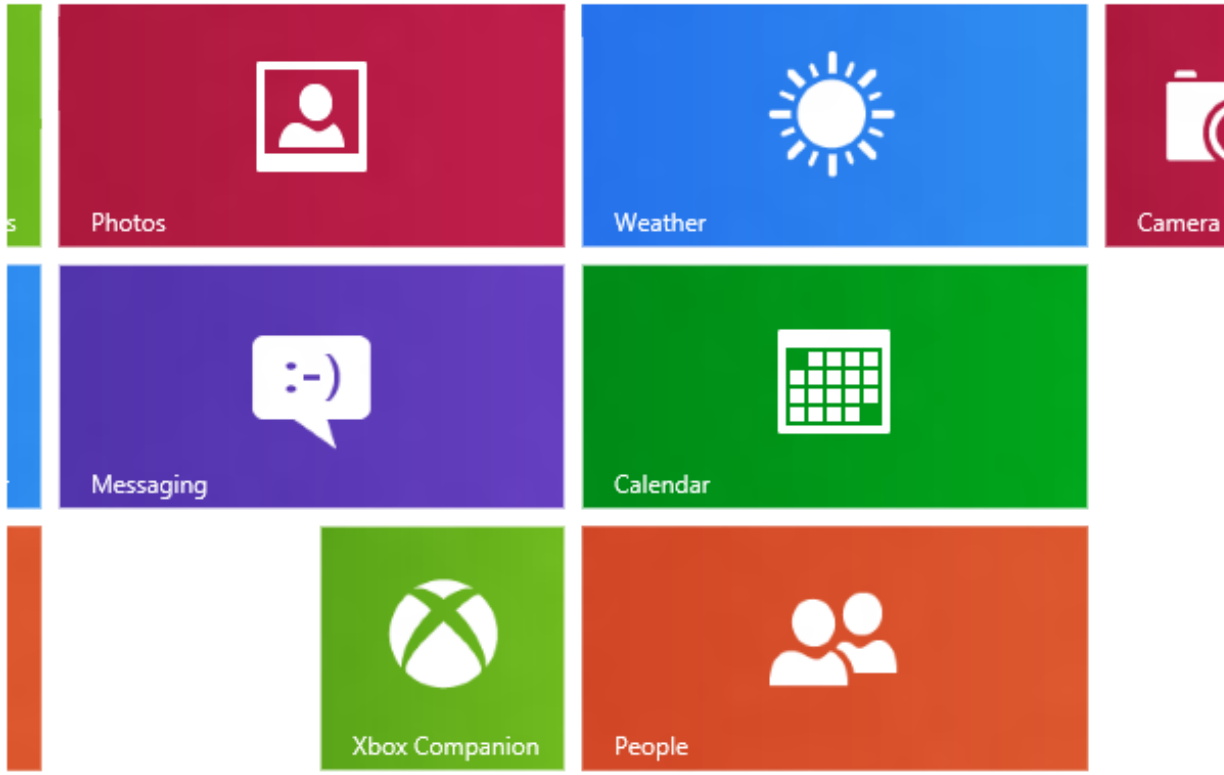
72
72
72
72: Otl Aicher and the Munich Olympiad
An exhibition of graphic design from the 1972 Munich Olympiad
15.2 – 15.3.07
Vitsœ
72 Wigmore Street
London
W1U 2SG
www.vitsoe.com
Monday – Saturday
10:00 – 6:00pm

72: Otl Aicher and the Munich Olympiad
Vitsœ
15.2 – 15.3.07

Spiele
München
26. 8. 1972 15.00 h

Kolory

- Nasycenie - saturation
- Kolory jednolite - solid
- Presety i profile na kuler.adobe.com



Typografia i ikonografia

Typografia

Segoe Light

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

Segoe Semilight

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

Segoe WP

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

Segoe Semibold

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

Segoe WP Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

Segoe Black

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

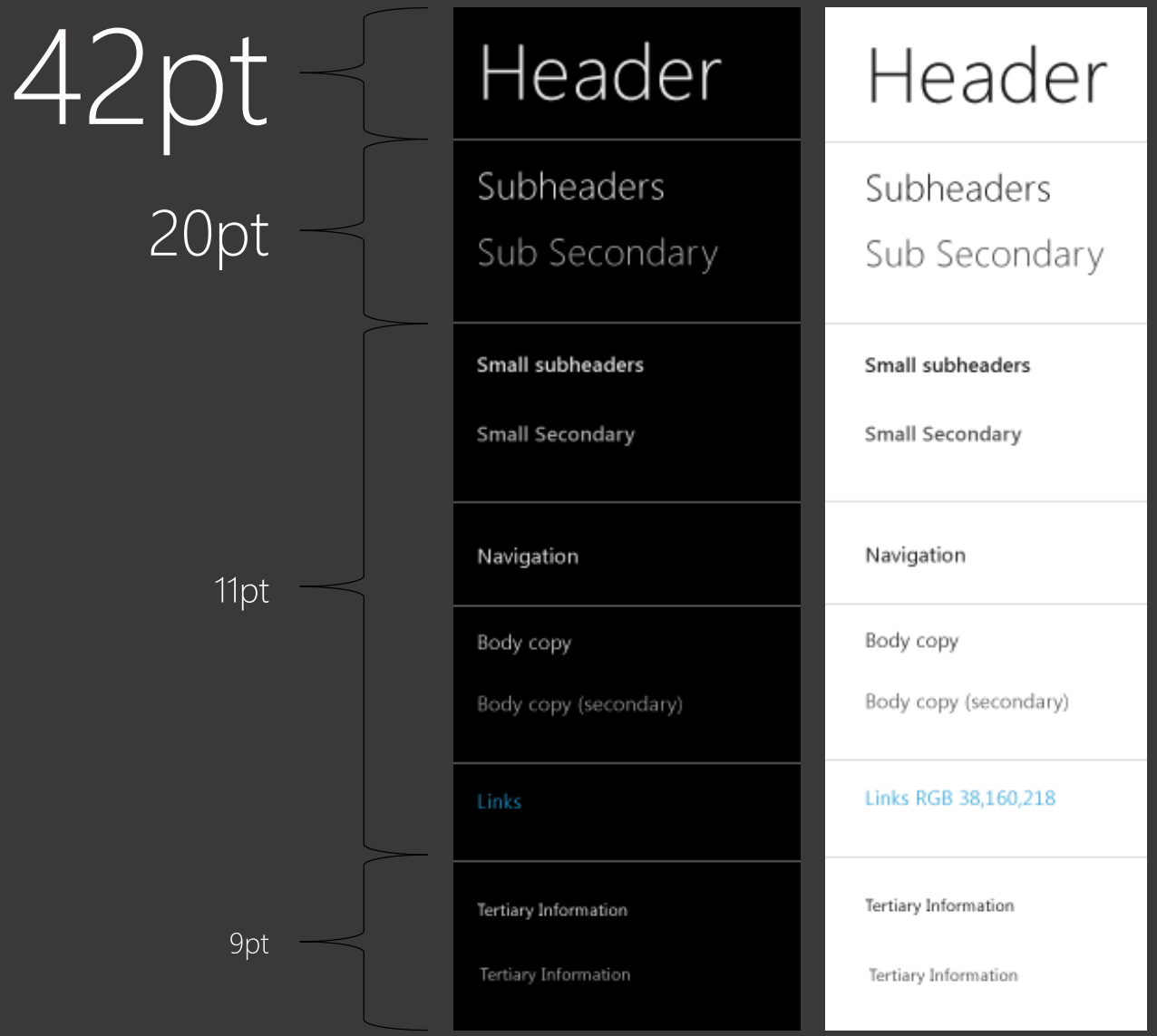
1234567890

Segoe UI Type ramp

9pt	11pt	20pt	42pt
Regular **Semibold** **Bold**	Semilight Regular **Semibold**	Light Semilight Regular	Light
Tertiary info	Body copy	Sub-headers	Page headers

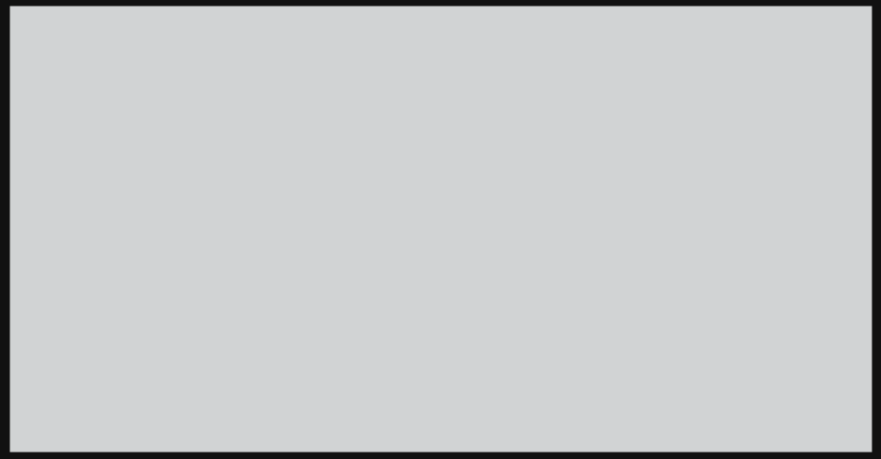
Cambria Type ramp

9pt	11pt	20pt	42pt
Regular **Bold**	Regular **Bold**	Regular **Bold**	Regular **Bold**
Tertiary info	Body copy	Sub-headers	Page headers


42pt
20pt
11pt
9pt
Header
Subheaders
Sub Secondary
Small subheaders
Small Secondary
Navigation
Body copy
Body copy (secondary)
Links
Tertiary Information
Tertiary Information
Header
Subheaders
Sub Secondary
Small subheaders
Small Secondary
Navigation
Body copy
Body copy (secondary)
Links RGB 38,160,218
Tertiary Information
Tertiary Information

Collection title lorem 0 42pt

ÅSed nisl nibh, eleifend posuere. 20pt



Á Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi. Nam liber tempor cum soluta nobis eleifend option congue nihil imperdiet doming id quod mazim placerat facer possim assum. 11pt

0.0ÅSed nisl nibh, eleifend posuere. 11pt

Phasellus faucibus

Á Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis 11pt

0.1ÅSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.

Phasellus faucibus

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0.2ÅSed nisl nib eifend posuere.

Phasellus faucibus 9pt

Á Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis

0.3ÅSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.

Phasellus faucibus

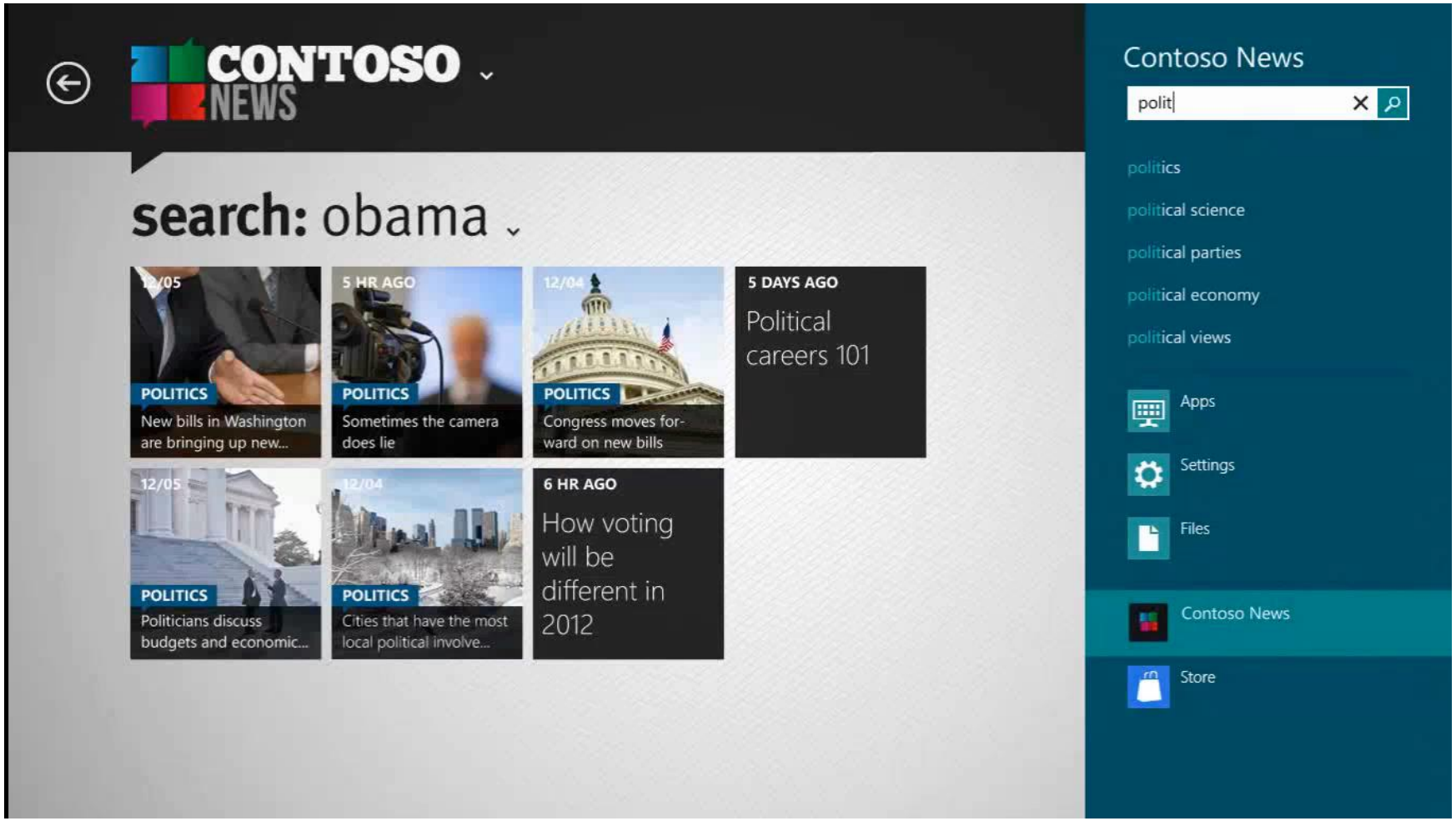
Á Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat

Ikonografia

Ruch i animacja

Animacja

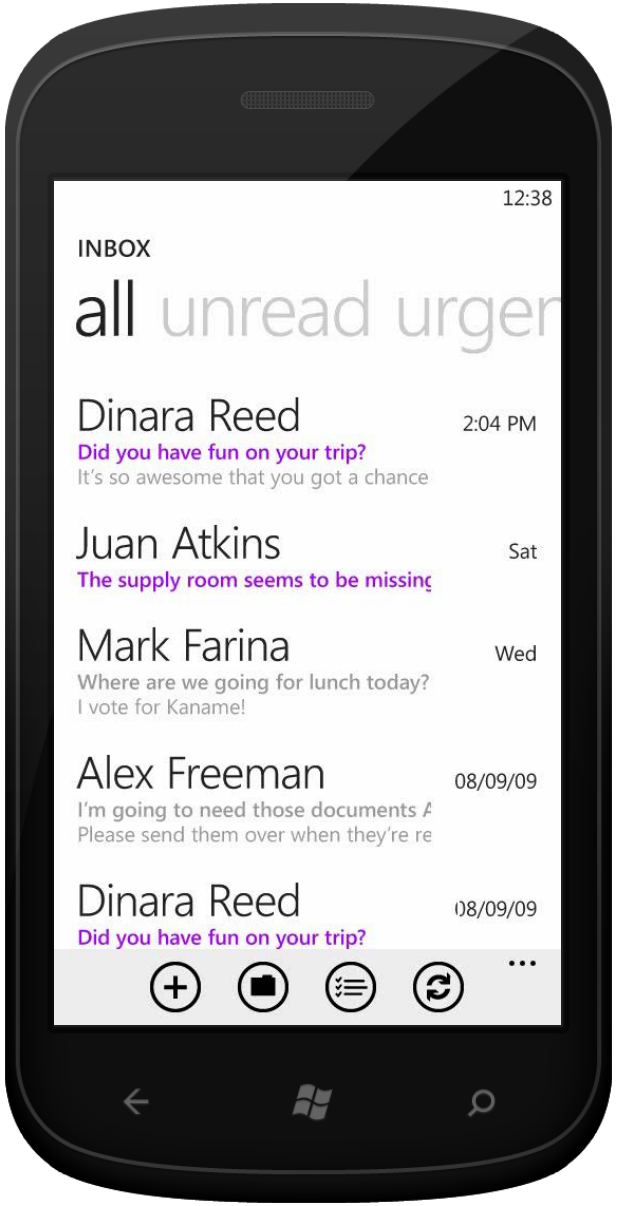
np. WinJS.UI.Animation.enterPage(element, offset).done();



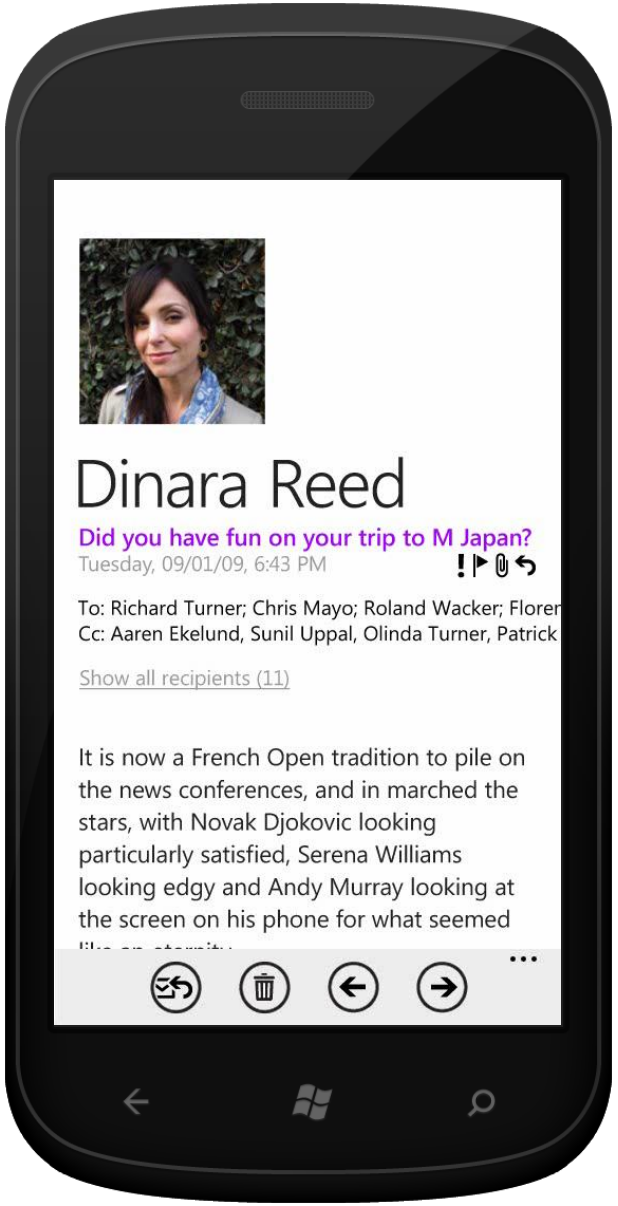
przejście

4
Phone
People
Messaging
Mail
Monday Morning Studio Sync
Studio H/2010
Mon, Sept 28, 10 AM
Calendar
Fri 25
Internet Explorer
XBOX LIVE
Games

kontynuacja

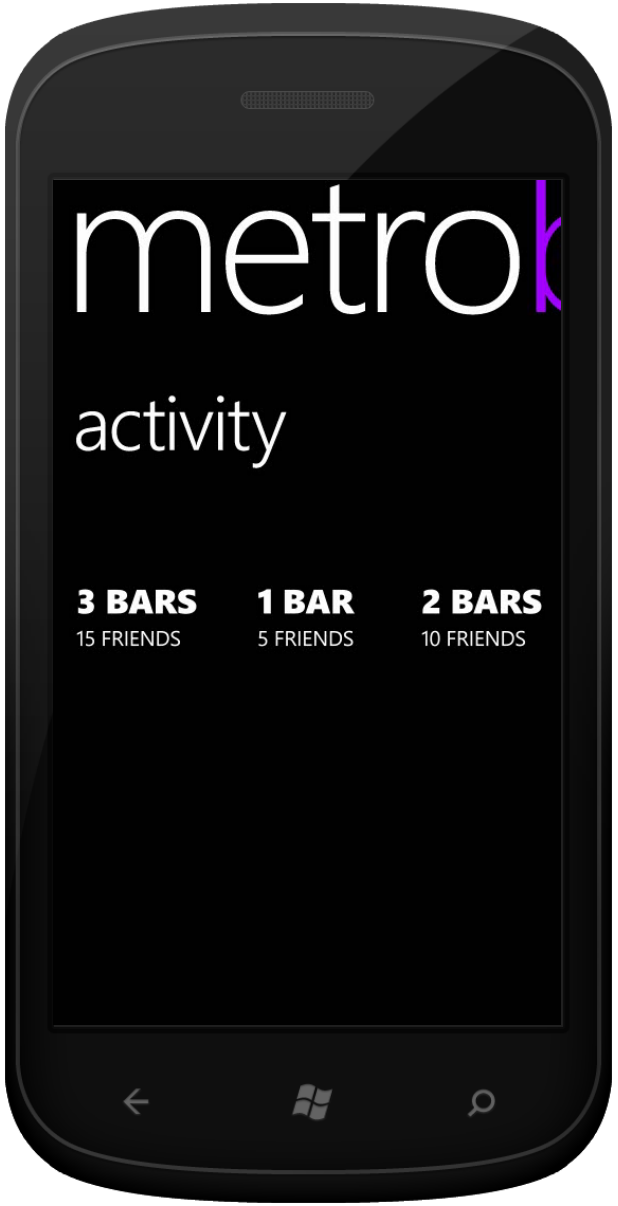


interfejs


Dinara Reed
Did you have fun on your trip to M Japan?
Tuesday, 09/01/09, 6:43 PM
To: Richard Turner; Chris Mayo; Roland Wacker; Floren
Cc: Aaren Ekelund, Sunil Uppal, Olinda Turner, Patrick
Show all recipients (11)
It is now a French Open tradition to pile on the news conferences, and in marched the stars, with Novak Djokovic looking particularly satisfied, Serena Williams looking edgy and Andy Murray looking at the screen on his phone for what seemed

przesuwanie

własna


metro
activity
3 BARS
15 FRIENDS
1 BAR
5 FRIENDS
2 BARS
10 FRIENDS

Content is the King

ikonografika vs infografika

O Green World

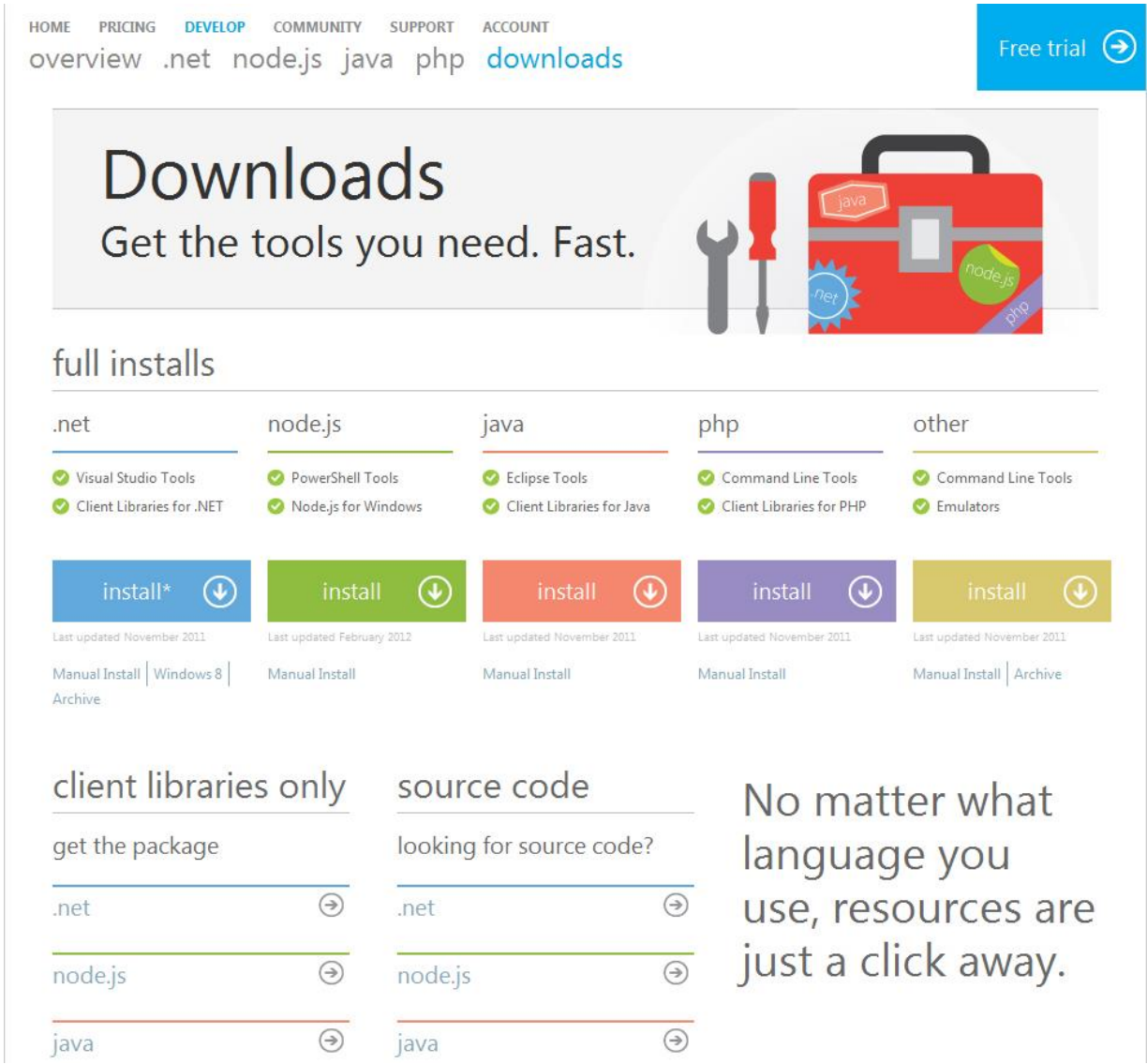
Gorillaz

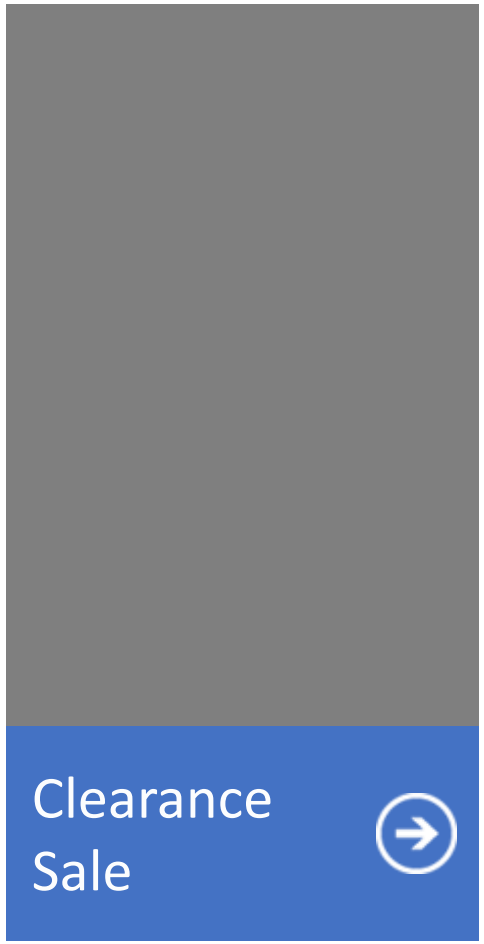
Demon days

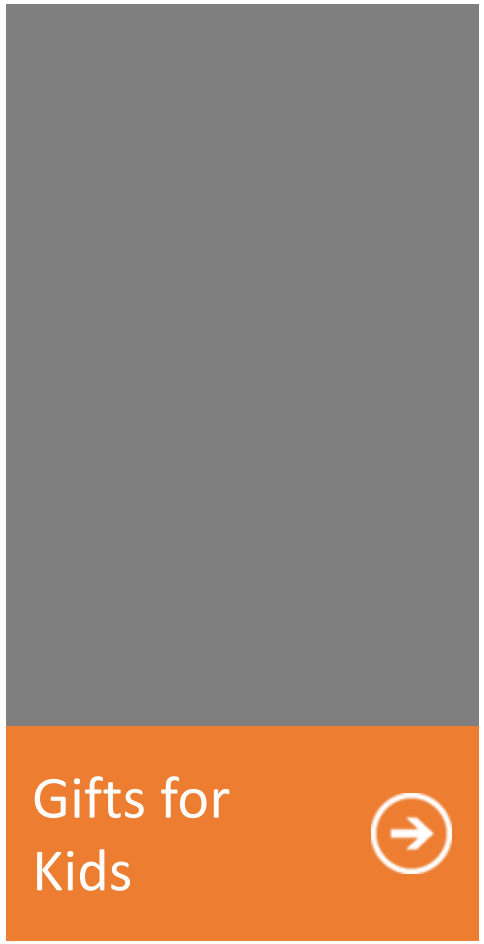
1:09

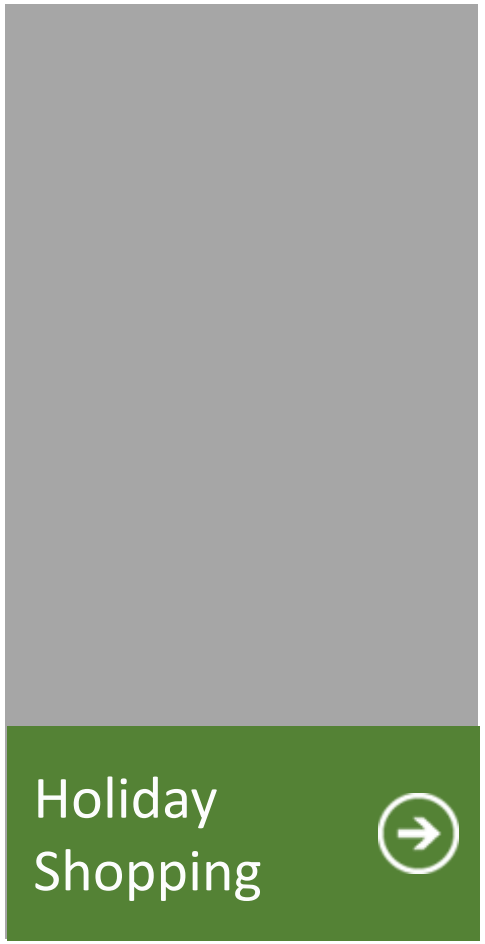
Whitespace

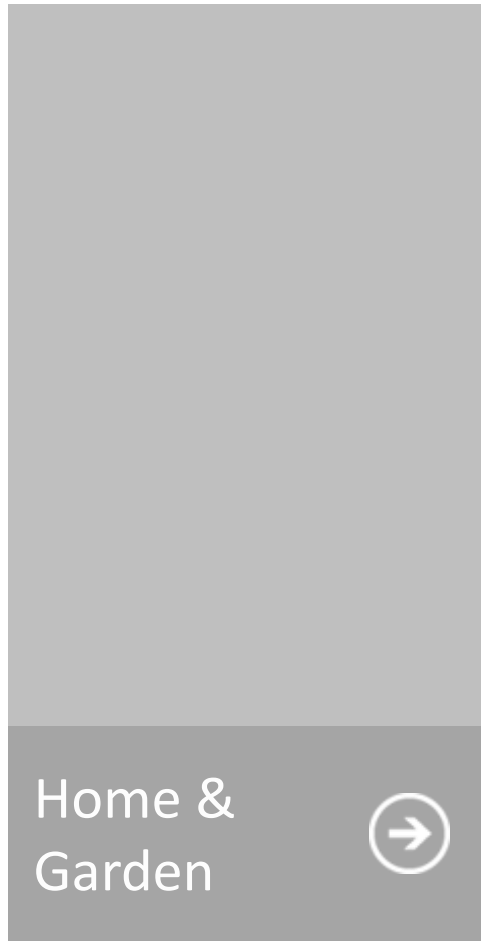
- Jeśli element interfejsu nie pomaga spełniać zadania aplikacji – przeszkadza jej

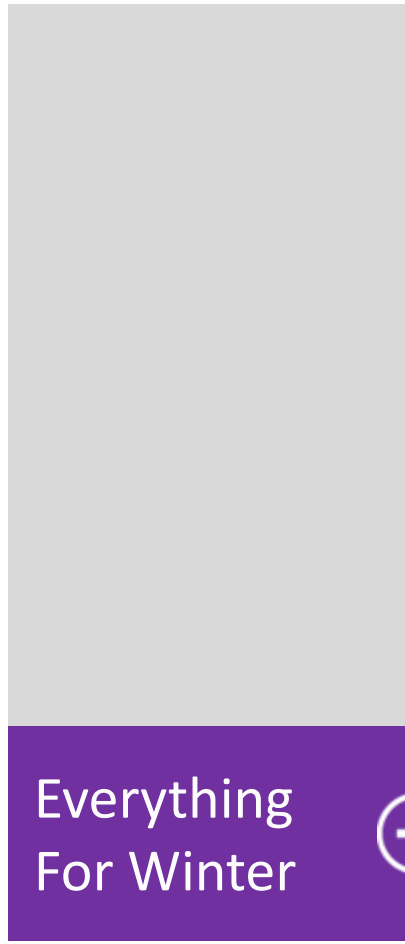


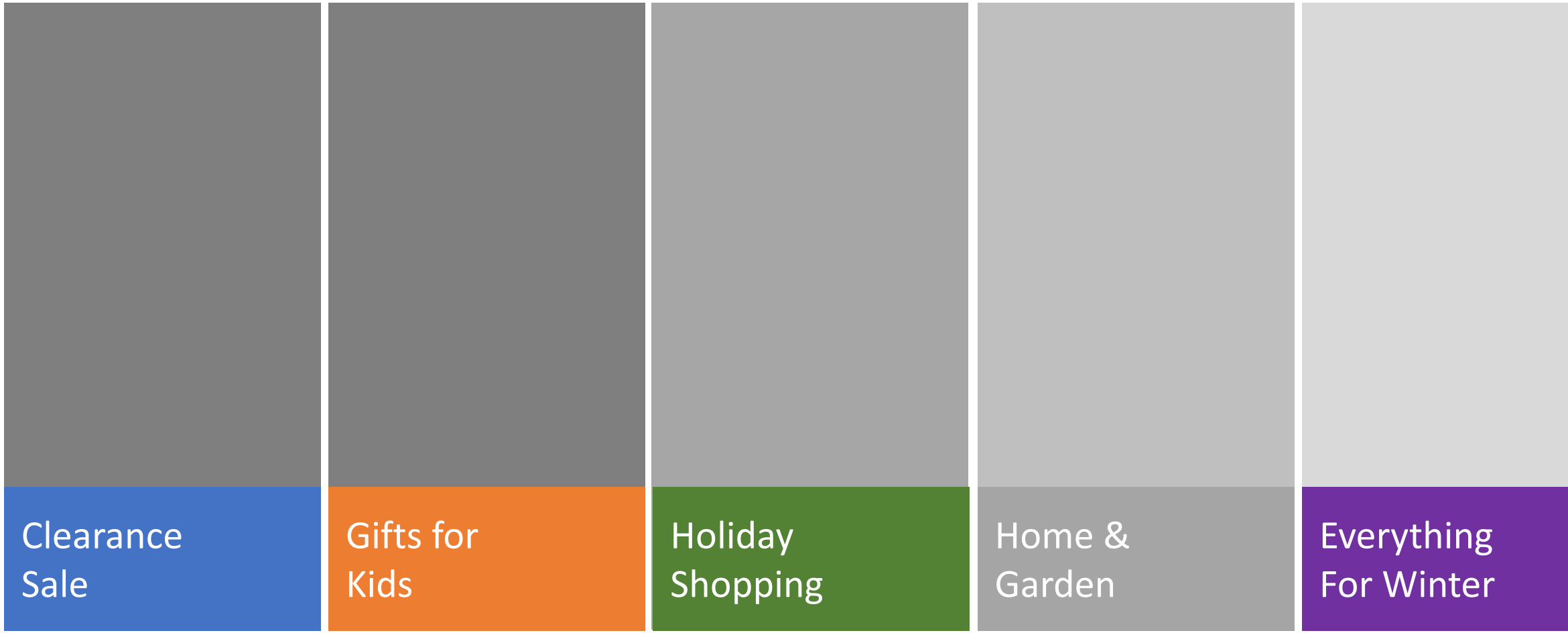

Clearance Sale

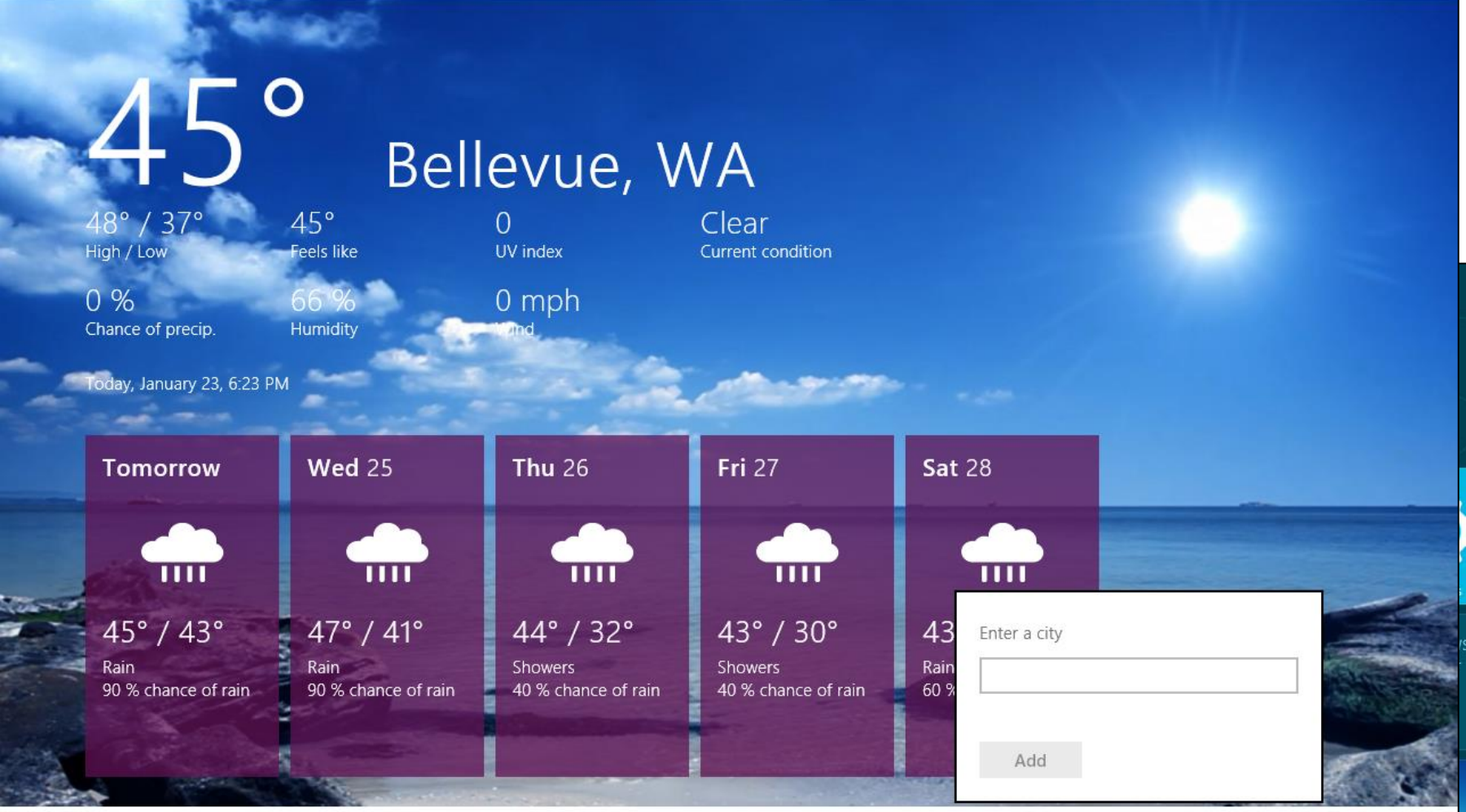

Gifts for Kids


Holiday Shopping


Home & Garden

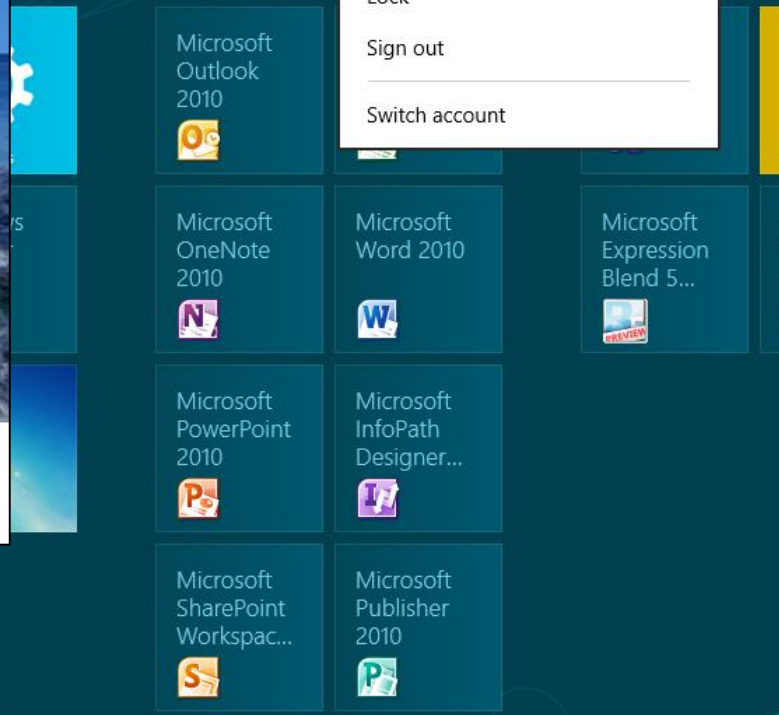

Everything For Winter


Clearance Sale
Gifts for Kids
Holiday Shopping
Home & Garden
Everything For Winter


45°
Bellevue, WA
48° / 37°
High / Low
45°
Feels like
0
UV index
Clear
Current condition
0 %
Chance of precip.
66 %
Humidity
0 mph
Today, January 23, 6:23 PM
Tomorrow
45° / 43°
Rain
90 % chance of rain
Wed 25
47° / 41°
Rain
90 % chance of rain
Thu 26
44° / 32°
Showers
40 % chance of rain
Fri 27
43° / 30°
Showers
40 % chance of rain
Sat 28
Rain
Pin city
Remove city
Current city
Add city
Summary view
Hourly

Enter a city
Add

Bonny Lau
Change account picture
Lock
Sign out
Switch account

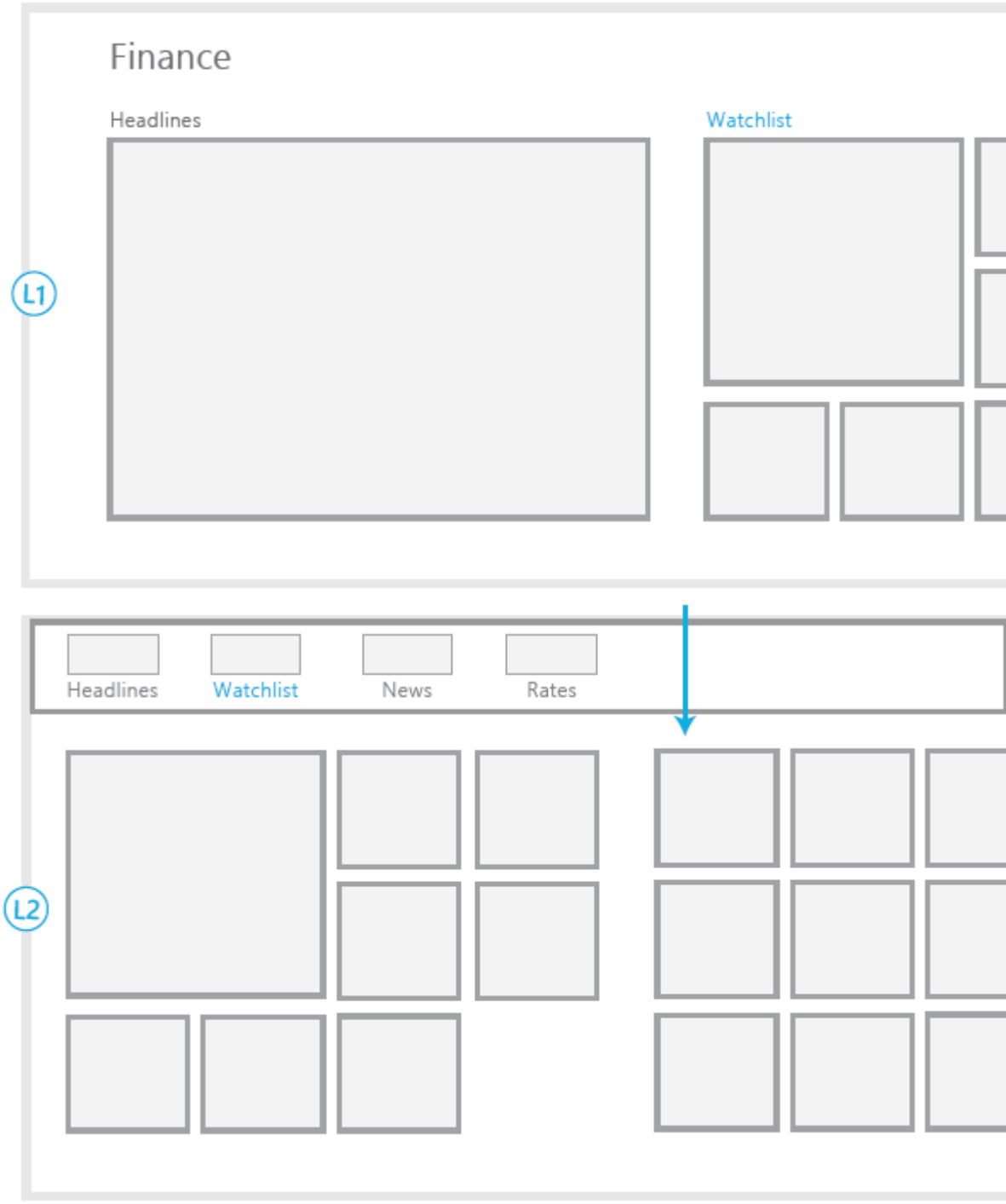

Microsoft Outlook 2010
Microsoft OneNote 2010
Microsoft Word 2010
Microsoft Expression Blend 5...
Microsoft PowerPoint 2010
Microsoft InfoPath Designer...
Microsoft SharePoint Workspac...
Microsoft Publisher 2010

//build/
windows

Tile Puzzle

Semantyka treści

- Treść ma strukturę, ważność, hierarchię.
- Zdecyduj za użytkownika



Metro style design

Silhouette

In the absence of chrome when people are focusing on the content, the formation of the content is what lets people recognize something as Metro style before their eyes even process it. Creating a silhouette is about leveraging negative space and content placement to establish a recognizable form.

Establish common anchors

Identify commonalities between different pages, and present those elements in a consistent manner.

Use a stable rail

When content goes off screen, let it move from edge to edge along a single axis. Let off screen objects peek in and use negative space to create a visual rail.

Create a focal point

Select a hero for your content, and add visual volume to it to make it the first thing that catches people's eyes.

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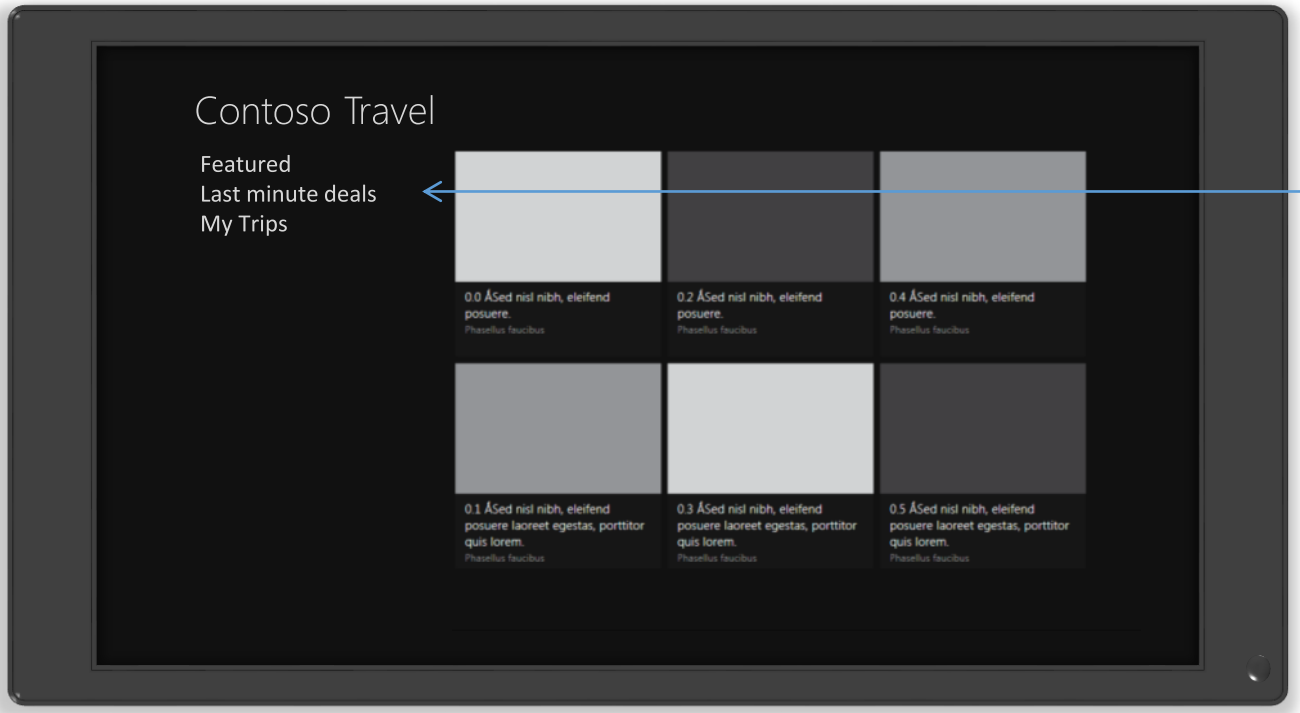
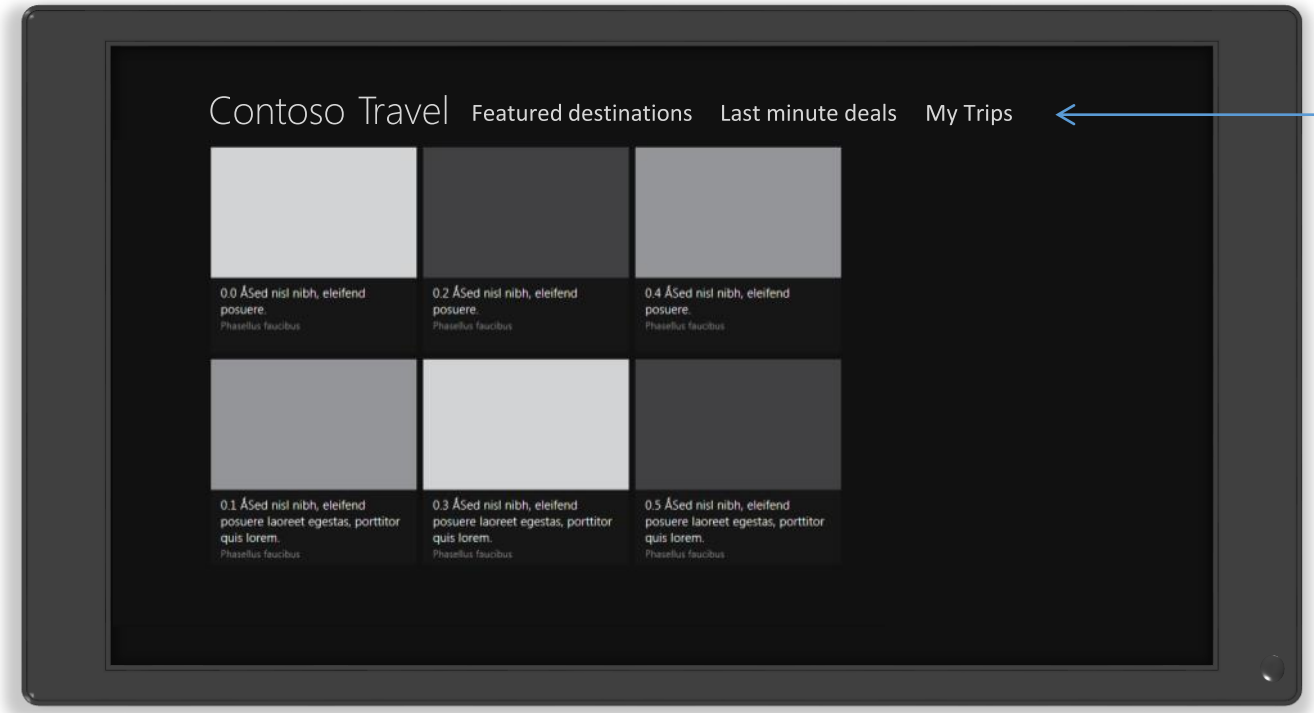
Nawigacja

Nawigacja

- Treść jako nawigacja
- Unikaj złożonej nawigacji jak zakładki
- Nawigacja z pomocą App Bar, Semantic Zoom – Win as One
- Kilka schematów nawigacji
- Optymalizuj nawigację pod dotyk


Contoso Travel
Featured
Last minute deals
My Trips
0.0 ÁSed nisl nibh, eleifend posuere.
Phasellus faucibus
0.2 ÁSed nisl nibh, eleifend posuere.
Phasellus faucibus
0.4 ÁSed nisl nibh, eleifend posuere.
Phasellus faucibus
0.1 ÁSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus
0.3 ÁSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus
0.5 ÁSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus

Chrome


Contoso Travel
Featured destinations
Last minute deals
My Trips
0.0 ÁSed nisl nibh, eleifend posuere.
Phasellus faucibus
0.2 ÁSed nisl nibh, eleifend posuere.
Phasellus faucibus
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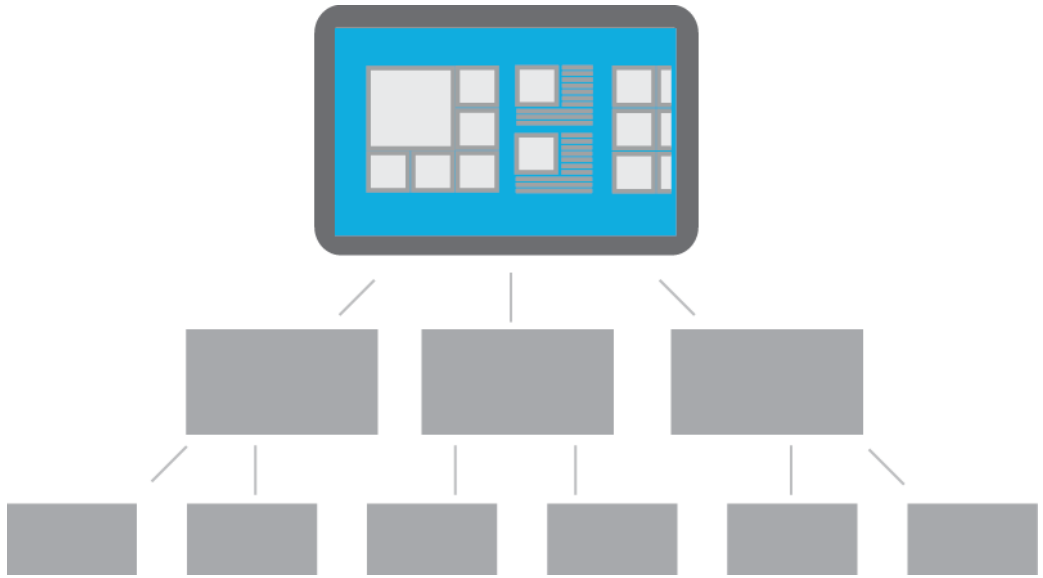
Phasellus faucibus
0.3 ÁSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus
0.5 ÁSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus

Chrome

Nawigacja w Modern UI

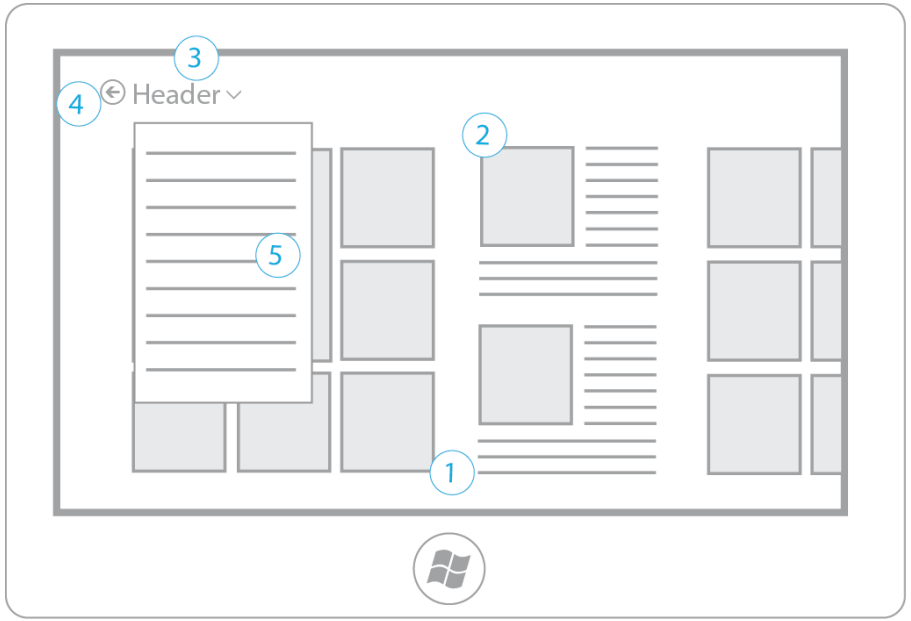
Hierarchiczna



Płaska

Hierarchiczna nawigacja

1. Treść
2. Sekcje aplikacji
3. Nagłówek
4. Wstecz
5. Menu
6. Semantic zoom

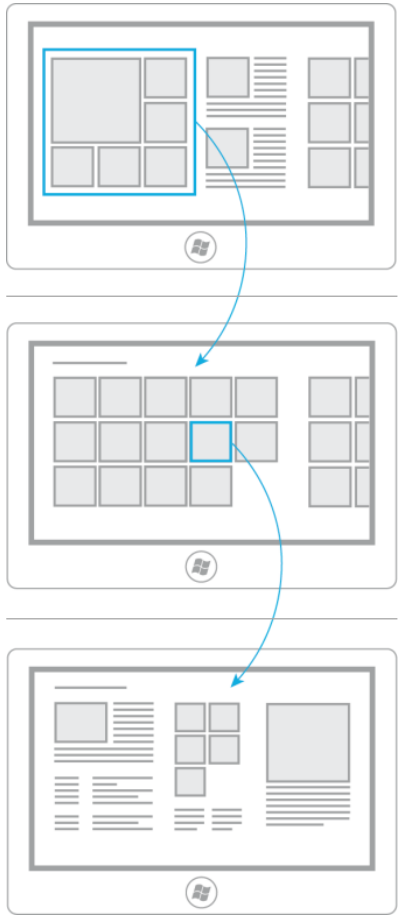


Schemat nawigacji Hierarchicznej

Hub page

Section page

Detail page



Zastosowania

Dużo danych w aplikacji

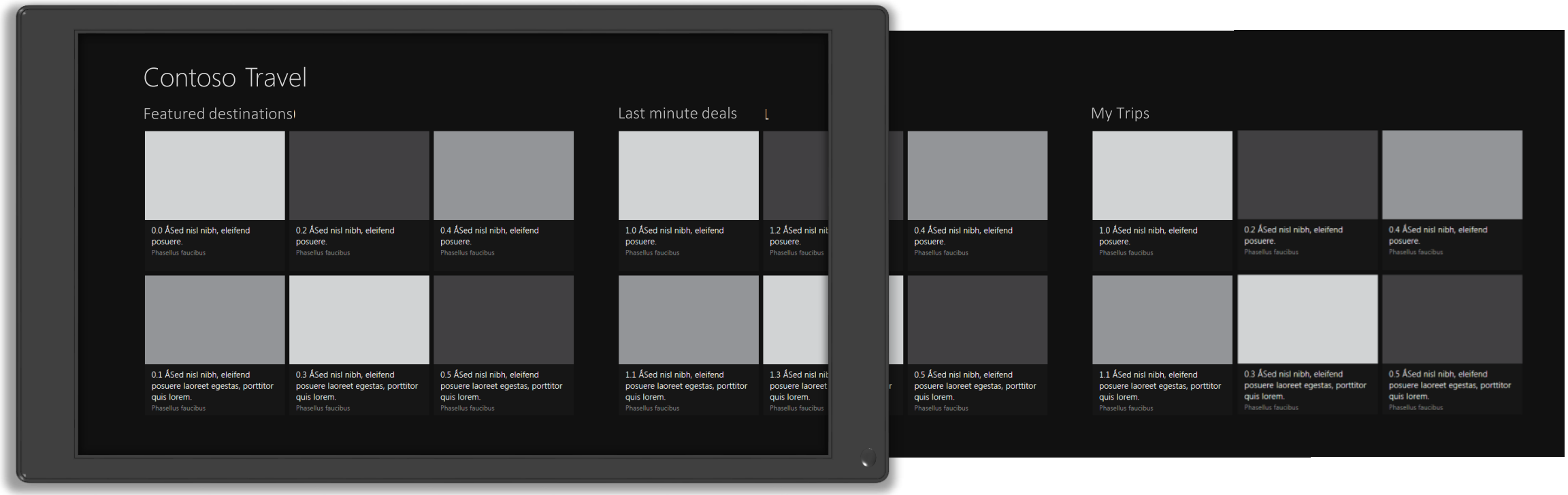
Dużo obszarów w których porusza się użytkownik

Przykład sklepu internetowego

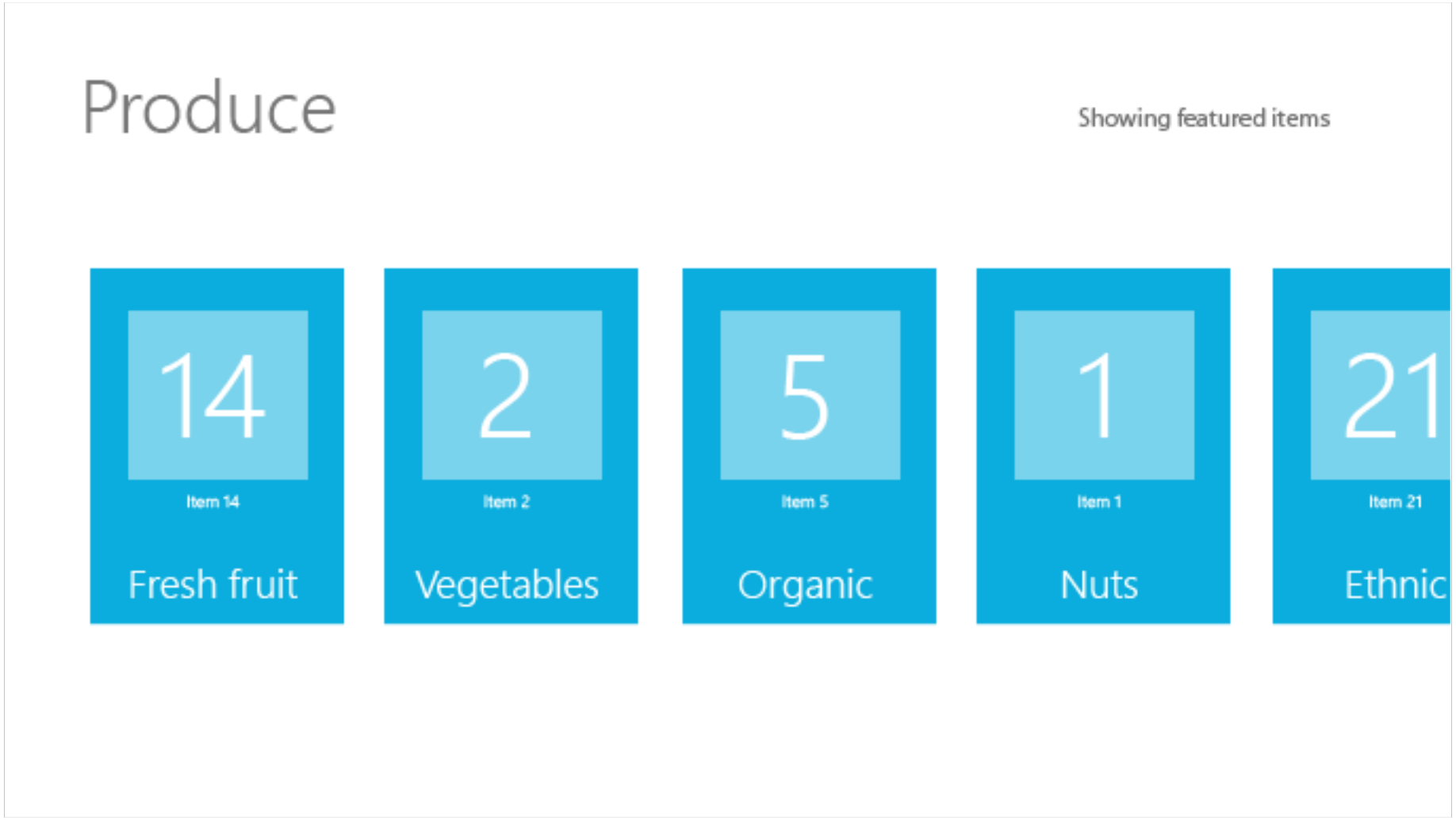
Kategorie

Przedmioty

Przedmiot

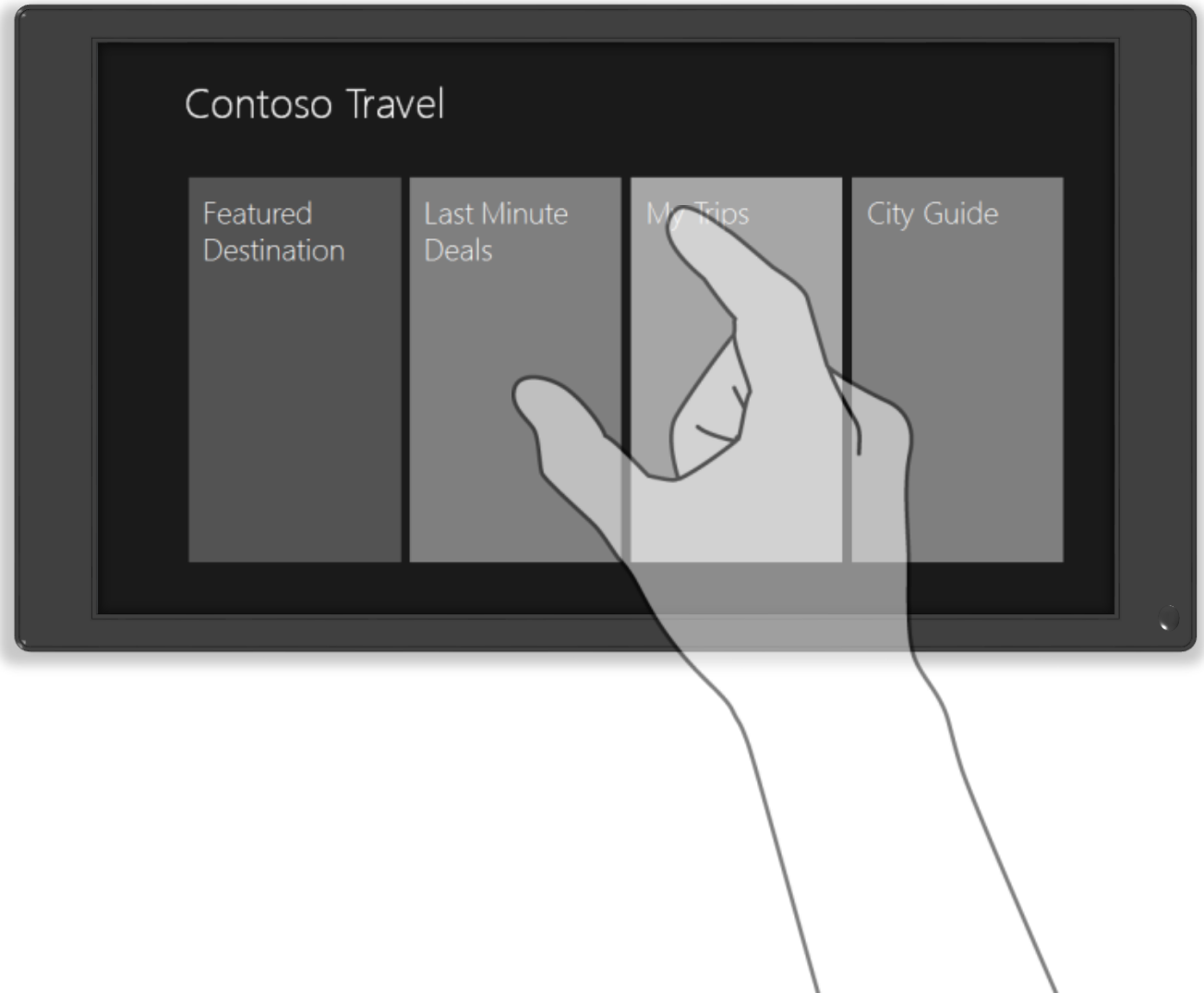

Contoso Travel
Featured destinations
0.0 ÁSed nisl nibh, eleifend posuere.
Phasellus faucibus
0.2 ÁSed nisl nibh, eleifend posuere.
Phasellus faucibus
0.4 ÁSed nisl nibh, eleifend posuere.
Phasellus faucibus
0.1 ÁSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus
0.3 ÁSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus
0.5 ÁSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus
Last minute deals
1.0 ÁSed nisl nibh, eleifend posuere.
Phasellus faucibus
1.2 ÁSed nisl nibh, eleifend posuere.
Phasellus faucibus
1.1 ÁSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus
1.3 ÁSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus
0.4 ÁSed nisl nibh, eleifend posuere.
Phasellus faucibus
0.5 ÁSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus
My Trips
1.0 ÁSed nisl nibh, eleifend posuere.
Phasellus faucibus
0.2 ÁSed nisl nibh, eleifend posuere.
Phasellus faucibus
0.4 ÁSed nisl nibh, eleifend posuere.
Phasellus faucibus
1.1 ÁSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus
0.3 ÁSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus
0.5 ÁSed nisl nibh, eleifend posuere laoreet egestas, porttitor quis lorem.
Phasellus faucibus

Semantic Zoom


Produce
Showing featured items
14
Item 14
Fresh fruit
2
Item 2
Vegetables
5
Item 5
Organic
1
Item 1
Nuts
21
Item 21
Ethnic

Semantic Zoom

- Zaprojektowany do łatwego poruszania się po aplikacji
- Podczas zoomowania położenie w contencie jest brane pod uwagę
- Wykorzystaj Grid, staraj się użyć nie więcej niż 3 stron
- Możliwe operacje na grupach np. select i reorder
- Semantic Zoom NIE służy do przenoszenia się w różnych poziomach zagnieżdżenia aplikacji.


Contoso Travel
Featured Destination
Last Minute Deals
My Trips
City Guide

Hub

Section

Details

Contoso Travel

Featured destinations

Last minute deals

My Trips

City Guide

Featured Destinations

Top Destinations for 2012

Barcelona, Spain

Last Minute Deals

7 night Alaska Cruise

My Trips

Featured destinations

Barcelona, Spain

Last Minute Deals

7 Night Alaska Cruise

Ocean View Cabins

Upgrade from an inside cabin and save
$43/night/person!
Picture windows with ocean and port views
From $2,099 — only $150/night/person based on double occupancy

Suites

Upgrade from an inside cabin and save
$43/night/person!
Picture windows with ocean and port view
From $2,099 — only $150/night/person do

My Trips

Chicago (3/11 – 3/19)

Weather

7 days

Today
54/43
Mostly Sunny

Today
54/43
Mostly Sunny

Today
54/43
Mostly Sunny

Today
54/43
Mostly Sunny

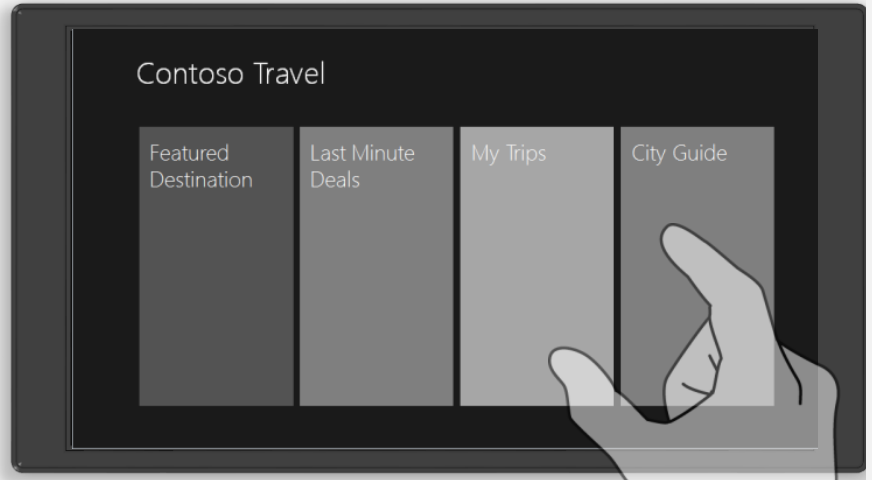
Today
54/43
Mostly Sunny

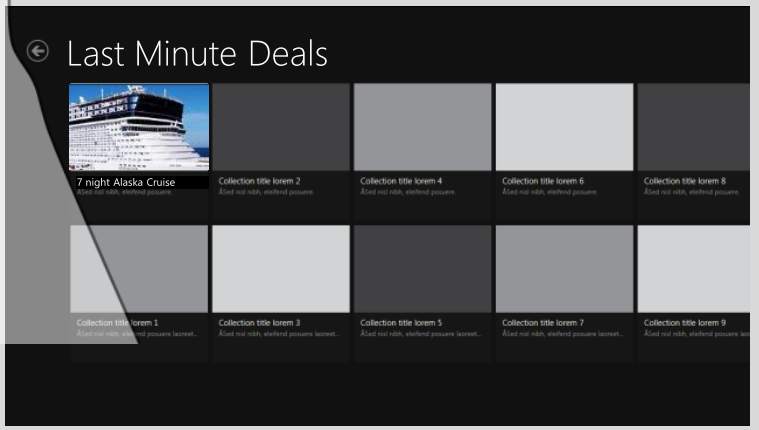
Attractions

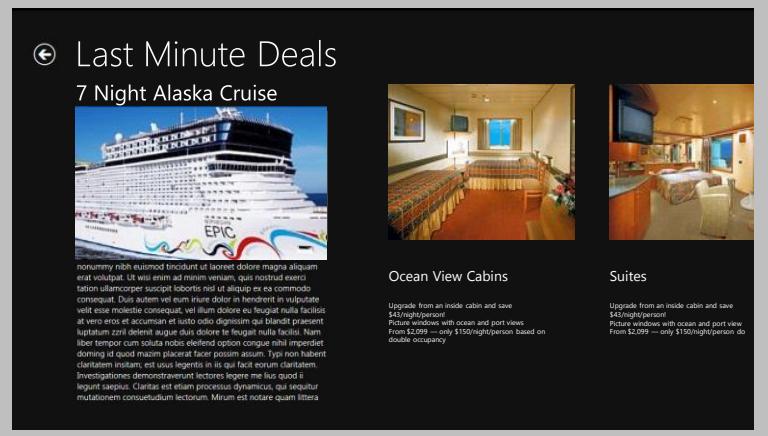
Hub

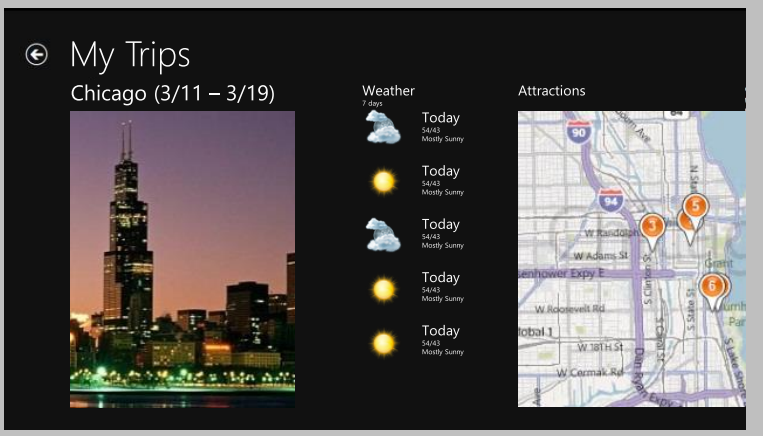
Section

Details



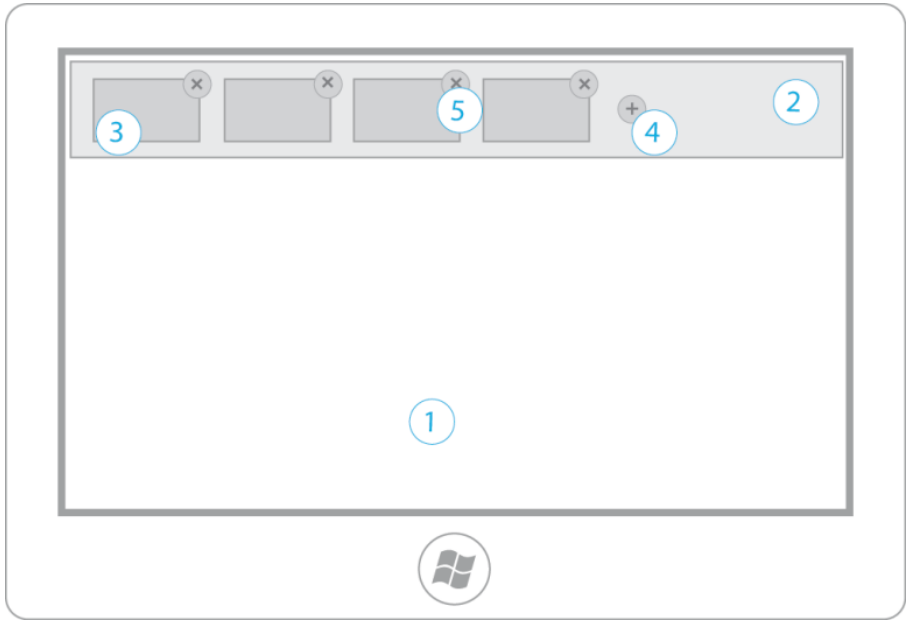






Schemat nawigacji płaskiej

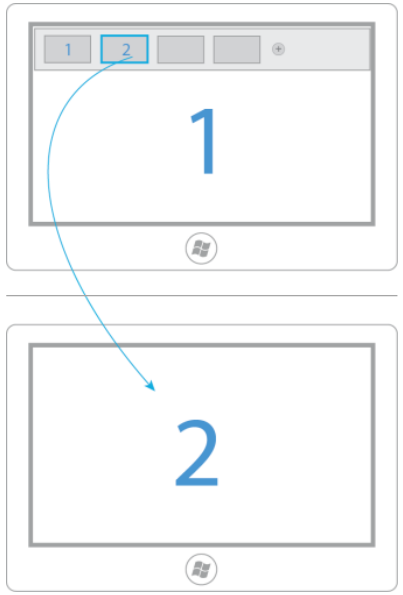
1. Zawartość
2. Pasek nawigacji
3. Sekcje



Przykład nawigacji płaskiej

Page 1

Page 2



Najlepsza dla aplikacji

Relatywnie mało sekcji

Wyodrębnione jasno zadania

Przykład aplikacji

Internet Explorer