

JavaScript programske biblioteke za oblikovanje mobilnih grafičkih sučelja

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Voditelj: prof. dr. sc. Vedran Mornar Zagreb, lipanj 2014.

Sadržaj Predavanja

1. Uvod i motivacija
2. Zajedničke karakteristike JS programskih biblioteka
3. jQuery Mobile
4. ChocolateChip UI
5. DevExpress (ex. PhoneJS)
6. Zaključak

Što je to javascript

- JavaScript – event driven skriptni jezik koji se koristi u web browserima za:
 - Poboljšanu kontrolu browsera
 - Asinkronu komunikaciju
 - Poboljšanje i ubrzavanje interakcije korisnika
 - Mijenjanje sadržaja prikazanog dokumenta

Što je to Framework

- Engleski pojam koji opisuje ovakvu vrstu biblioteke je ***framework***
- Važna distinkcija od libraryja :
 - Korisnik proširuje kod kako bi osigurao specifične funkcionalnosti
 - Kontrolu toka programa vrši framework

Mobilna grafička sučelja

- **Mobilno grafičko sučelje** – sučelje prilagođeno mobilnim uređajima (touchscreen tehnologije i manja veličina ekrana)



Mario's Catering



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[Links](#)

[About Us](#)

to Mario's Catering - we cater to all of you

At Mario's Catering, we specialize in world-class, authentic Italian cuisine!



Born and raised in Italy, our head chef Mario made the trip state-side over a decade ago, and has never looked back.

Serving up the best primavera this side of Roma, Mario's Catering is a perfect choice for your next event or function.

Make A Booking!

If you're hosting an upcoming event, be sure to make your reservation soon! Simply call us on 1800-MARIO or send through your reservation details to bookings@youlllovemario.com and we'll get back to you with a quote!

FREECALL: 1800 MARIO

Web i Hibridne mobilne aplikacije

- Postoje dvije vrste mobilnih aplikacija koje možemo raditi putem web tehnologija:
 - Web mobilne aplikacije
 - Hibridne mobilne aplikacije

Problemi koje rješavaju javascript programske biblioteke

- Različite veličine ekrana i rezolucije
- Dizajn i razmještaj informacija na različitim uređajima
- Prilagođavanje nativnom ponašanju gesti

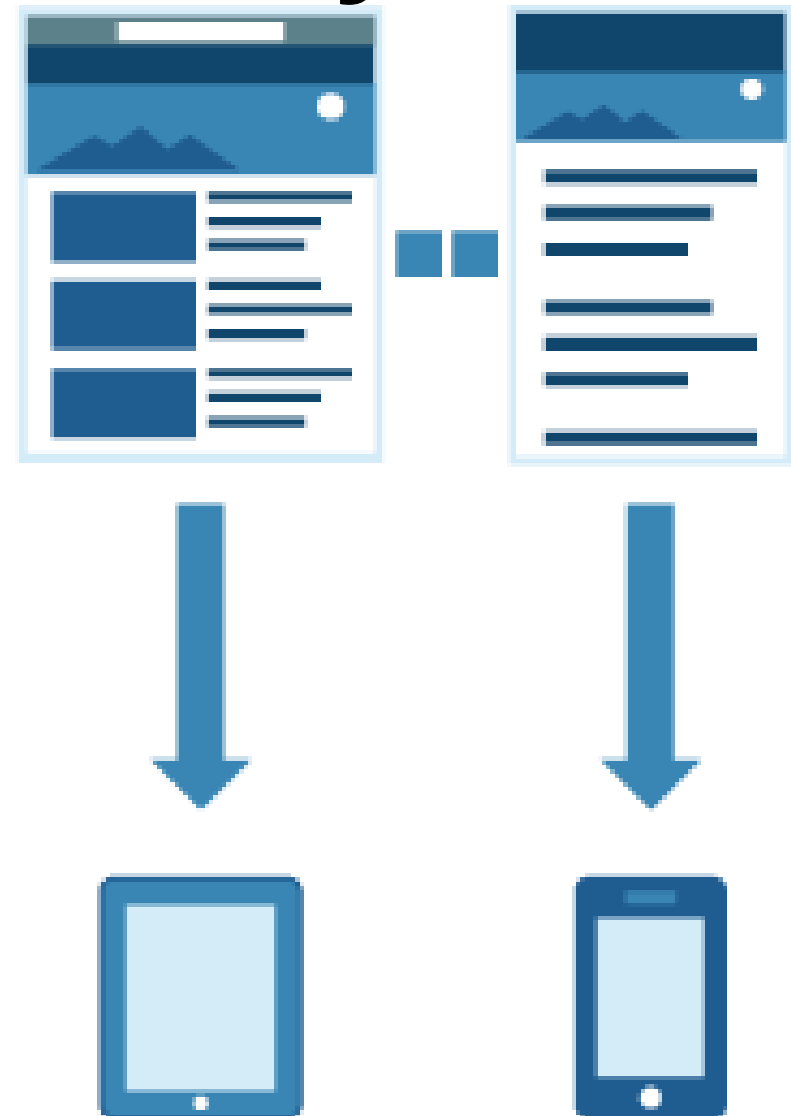
Različite veličine ekrana i rezolucije



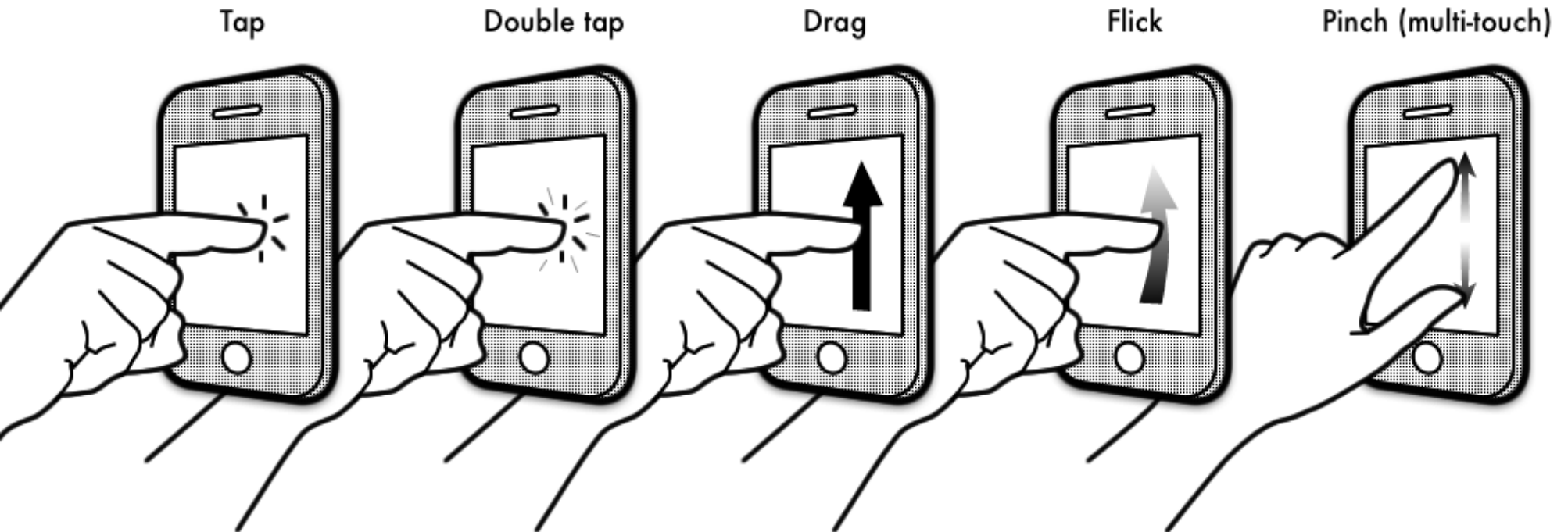
Connect all mobile phones
with ChatON!



Dizajn i razmještaj informacija na različitim uređajima



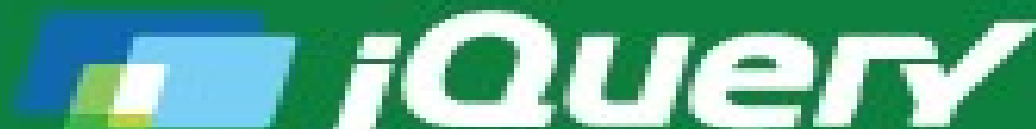
Prilagođavanje nativnom ponašanju gesti



Zajedničke karakteristike JavaScript programskih biblioteka

- Korištenje HTML i CSS standarda
- Optimiziranje korištenja touchscreen-om
- Podrške među različitim platformama
- Izbjegavanje glomaznosti korištenih datoteka





DevExtreme®

ChocolateChip UI



Neki od grafičkih elemenata

On ☐

One Two Three

Off ☐

Rangeslider:

31 100

One

☒ Two

☒ Three

← June 2014 →

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Value

\$.00

Search

Submit Reset

On ☐

Option 1

Option 2

Option 3

Option 4

Text

50

★ Button

ThemeRoller
For jQuery Mobile

Global

A

B

C

+

Swatch A

Delete Duplicate

Page

Header/Footer Bar

Body

Link

Button: Normal

Button: Hover

Button: Pressed

Active State

TEXT COLOR

TEXT SHADOW

BACKGROUND

BORDER

TEXT COLOR

TEXT SHADOW

BACKGROUND

BORDER

TEXT COLOR

TEXT SHADOW

BACKGROUND

BORDER

jQuery Mobile
Version 1.4.2

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Download theme zip file

Import or upgrade

Share theme link

Help center

ku colored by Adobe® kuler

Franklin D. Roosevelt

Concave Flat

ancient

IR-01-Cool

Summer

Wildflower

×

PAGE 1/4

Recent Colors

colors...

jQuery mobile

Show alternative icons in preview

See [icon demos](#) for usage.

A

B

C

Body

Sample text and [links](#).

List Header

Read-only list item

Linked list item

Radio

Checkbox

On Off

Body

Sample text and [links](#).

List Header

Read-only list item

Linked list item

Radio

Checkbox

On Off

Body

Sample text and [links](#).

List Header

Read-only list item

Linked list item

Radio

Checkbox

On Off

jQuery ThemeRoller

Zasad podržan na novijim verzijama popularnih browsera

Dobar za ljude s malim iskustvom rada u CSS-u

Organiziranih mogućnosti

TEXT COLOR #333333

TEXT SHADOW 0 1px 0 #f3f3f3

BACKGROUND #ffffff

BORDER #dddddd

TEXT COLOR #333333

TEXT SHADOW 0 1px 0 #f3f3f3

BACKGROUND #f6f6f6

BORDER #dddddd

TEXT COLOR #333333

TEXT SHADOW 0 1px 0 #f3f3f3

BACKGROUND #e8e8e8

BORDER #dddddd

Show alternative icons in preview See [icon demos](#) for usage.

A

Body

Sample text and [links](#).

List Header

Read-only list item

Linked list item >

☐ Radio

☒ Checkbox

On

Off

B

Body

Sample text and [links](#).

List Header

Read-only list item

Linked list item >

☐ Radio

☒ Checkbox

On

Off

C

Body

Sample text and [links](#).

List Header

Read-only list item

Linked list item >

☐ Radio

☒ Checkbox

On

Off

ChocolateChip UI



MARKUP



+

CSS



+

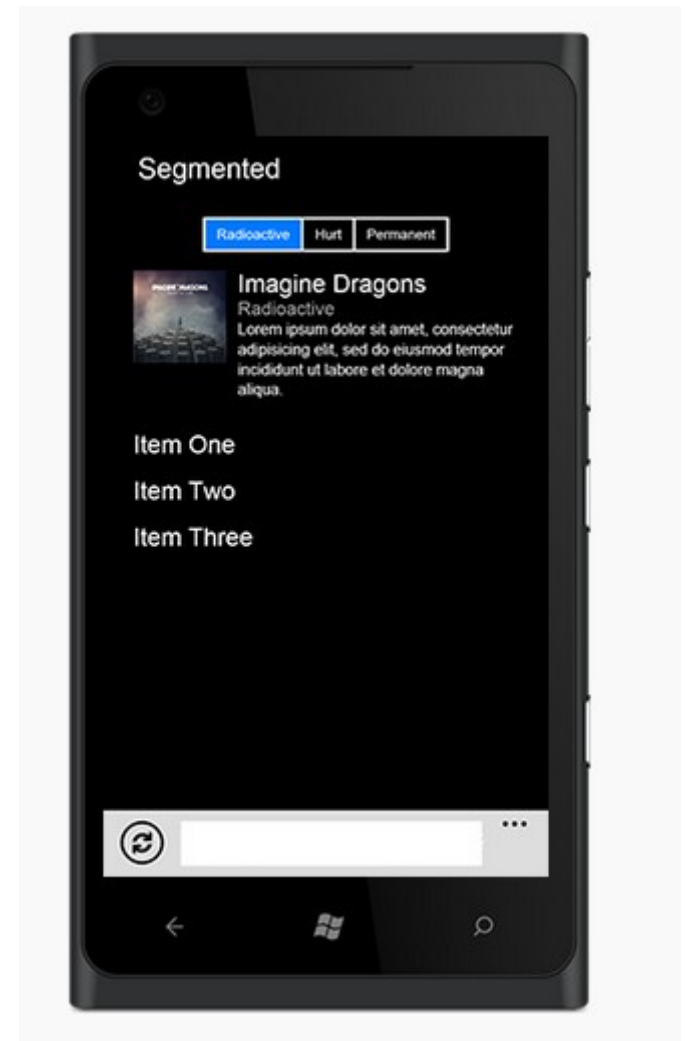
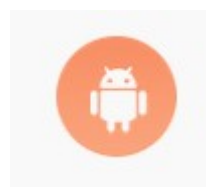
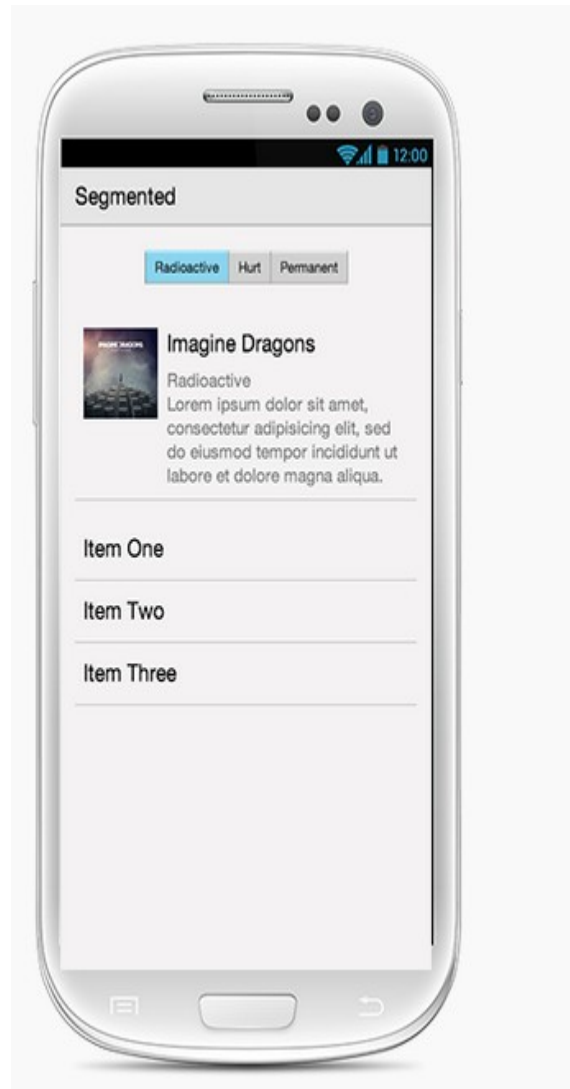
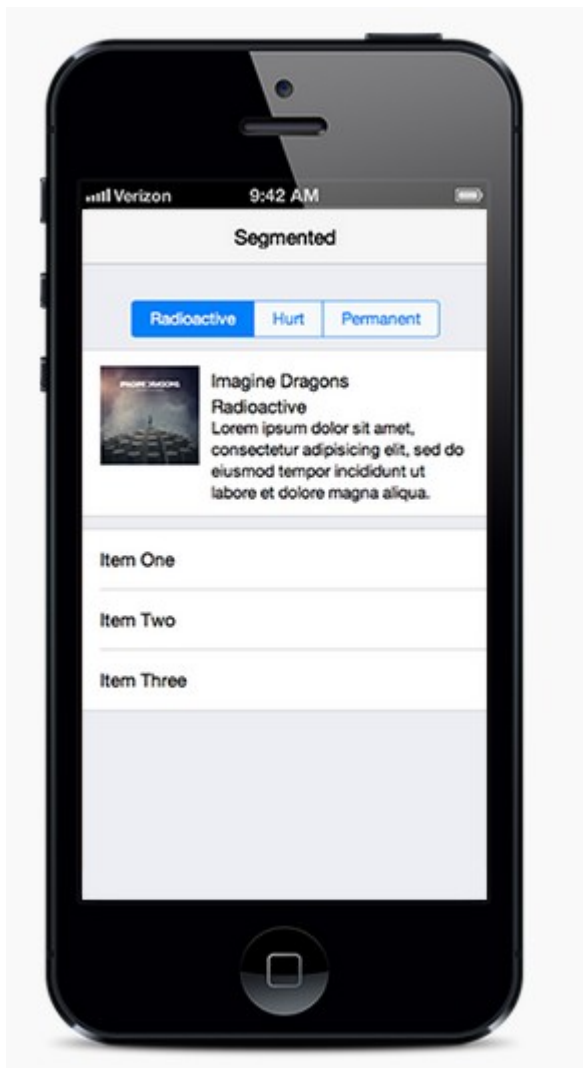
JS



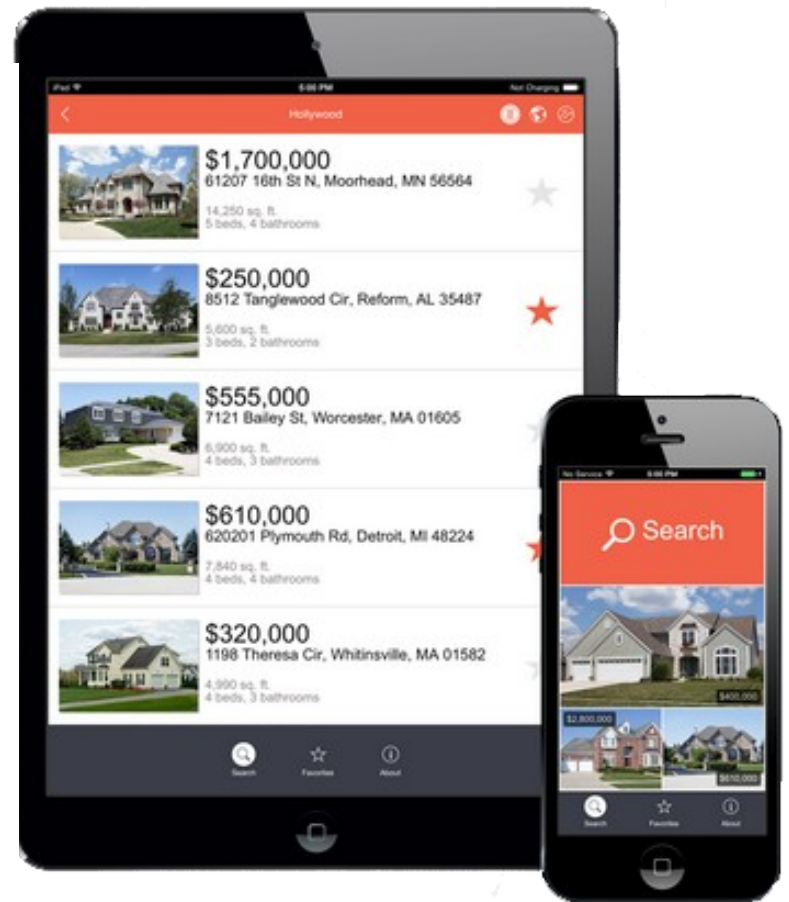
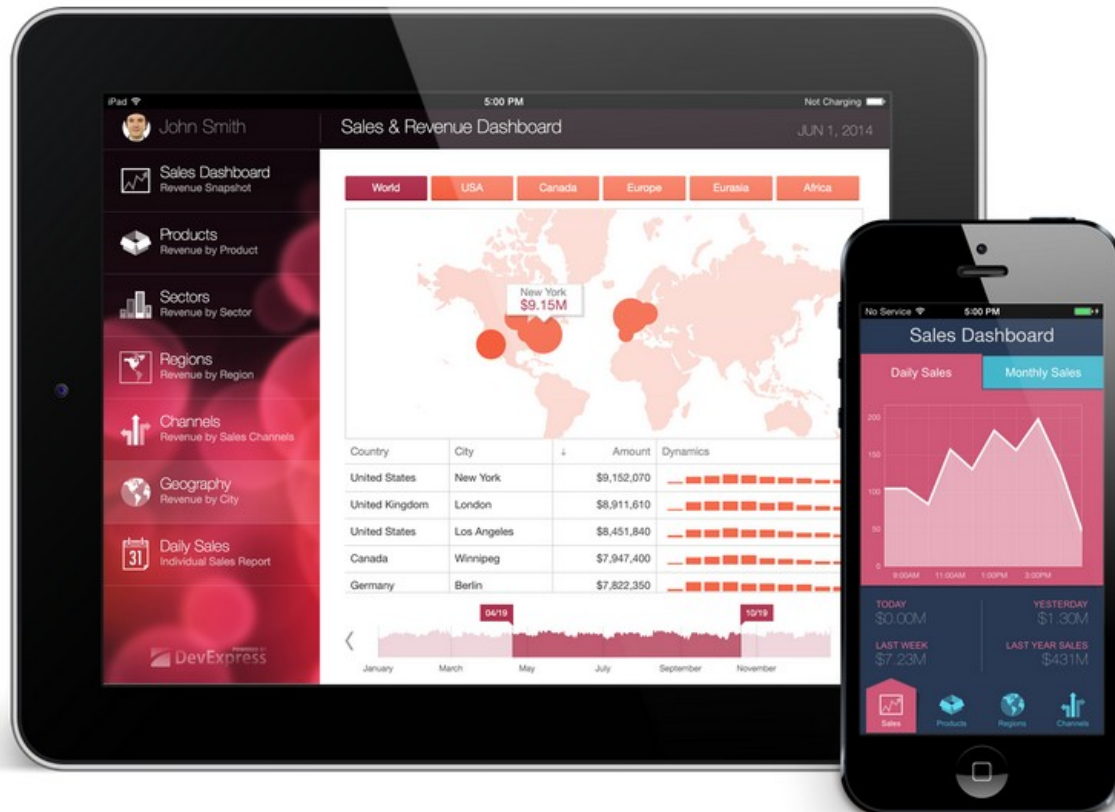
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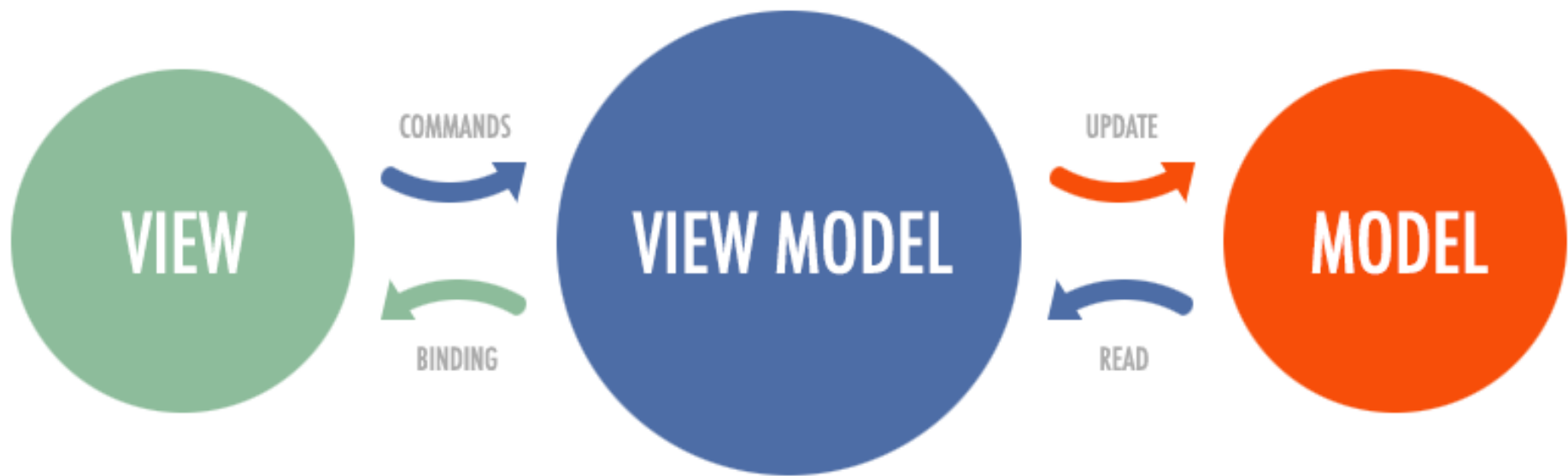
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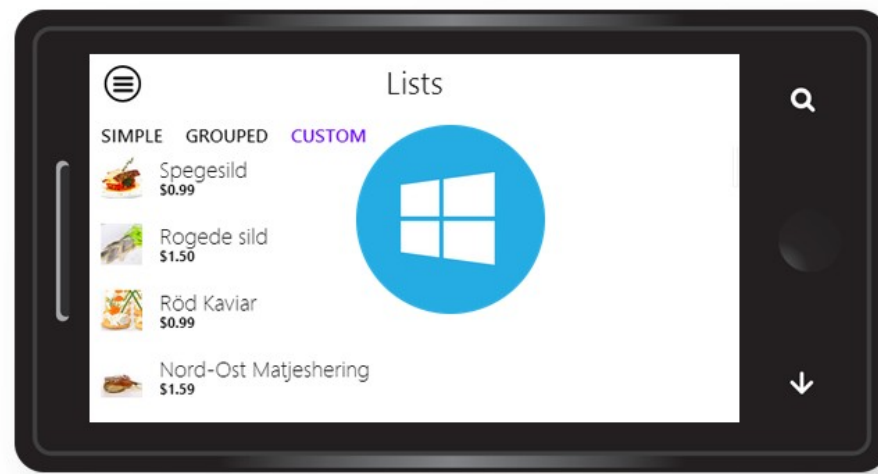




DevExtreme®







Custom Palette

Custom Hue

Widgets



COLOR SCHEME Light

Get CSS

Import

Export

Reset

Common

Editors

dxButton

Navigation

dxGallery

dxList


Overlays

dxScrollView

Sliders

dxTileView


dxDataGrid

Pager selected item
background color: rgba(179,...

Text color:

 rgba(43, ...

Background color:

 rgba(0, 0, ...

Border color:

 rgba(210,...


Header text color:

 . 22, 186, 1Selected row
background color:Selected row text
color:Hovered row text
color:Hovered row
background color:NoData message
color:Group row background
color:

Group row text color:

Highlighted text color:

Link color:

 rgba(179,...

dxDataGrid

Ship City

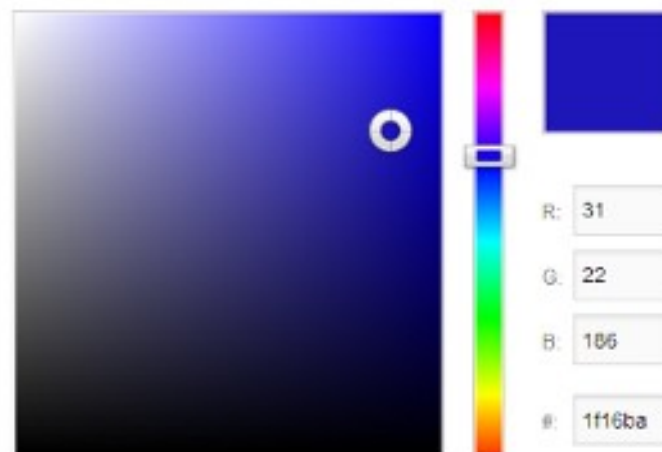


Search...

	Customer ID	Order Date	Ship Country	
<input type="checkbox"/>		Q		
Ship City: Bern				
	CHOPS	7/11/1996	Switzerland	Edit Delete

/1996	Belgium	Edit Delete
2/1996	Switzerland	Edit Delete
7/1996	Austria	Edit Delete
/1996	France	Edit Delete

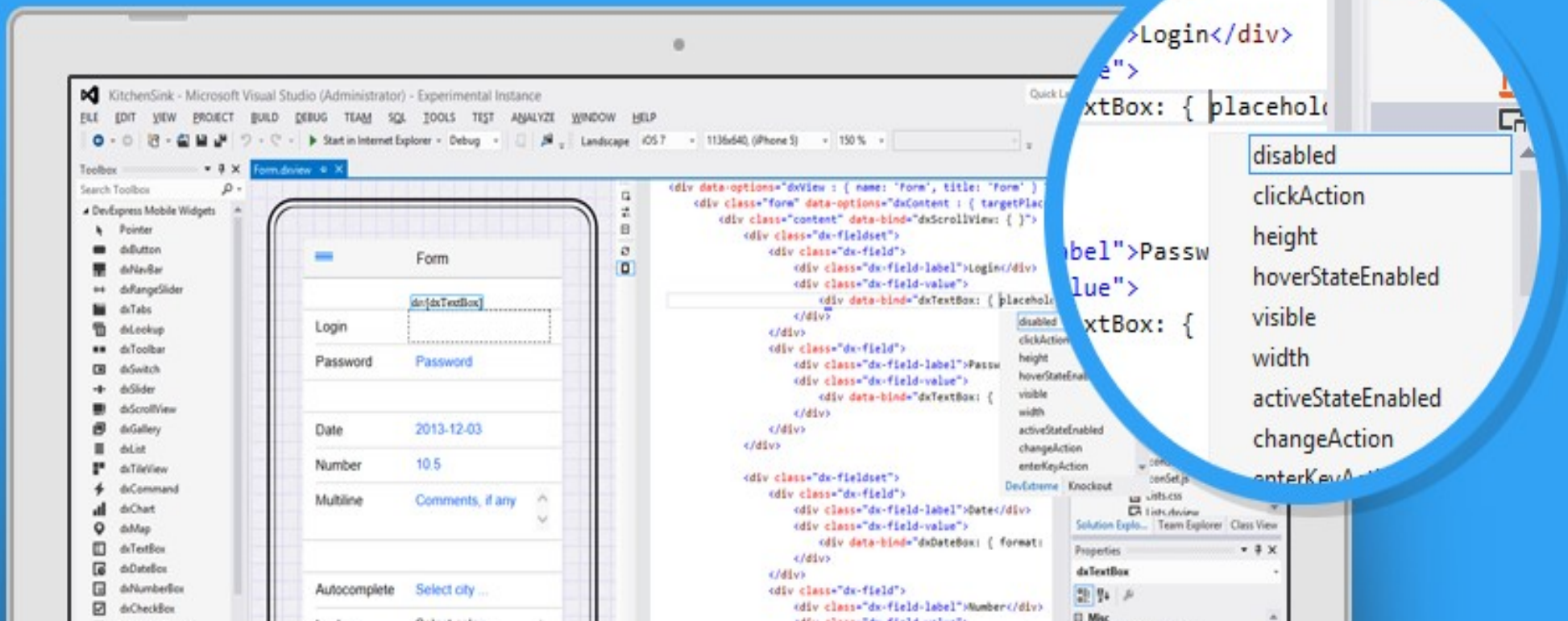
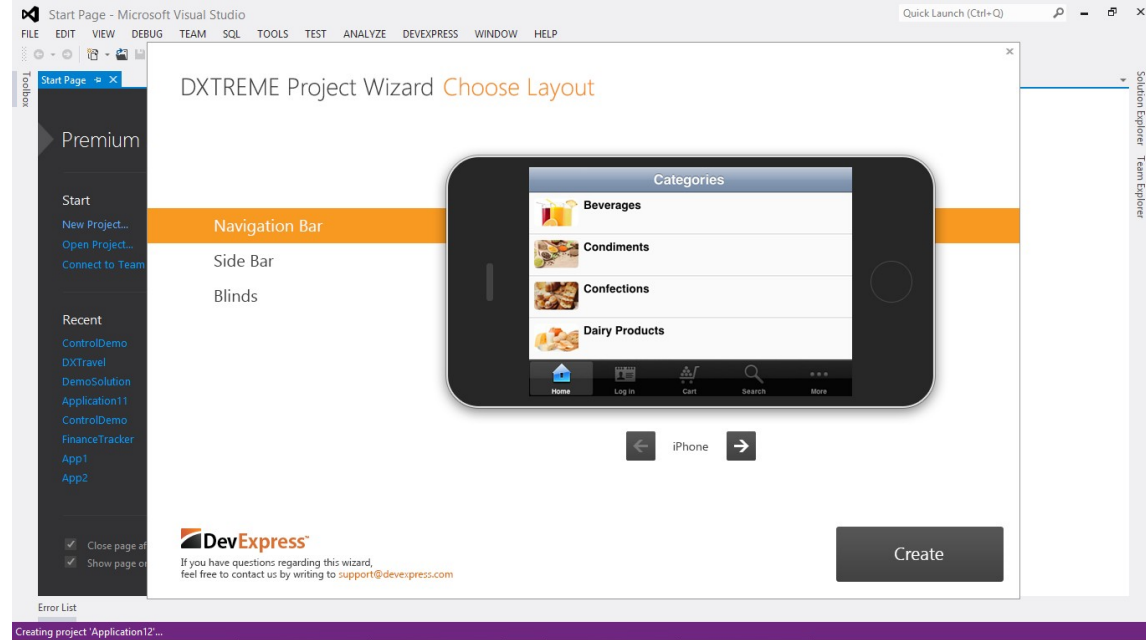
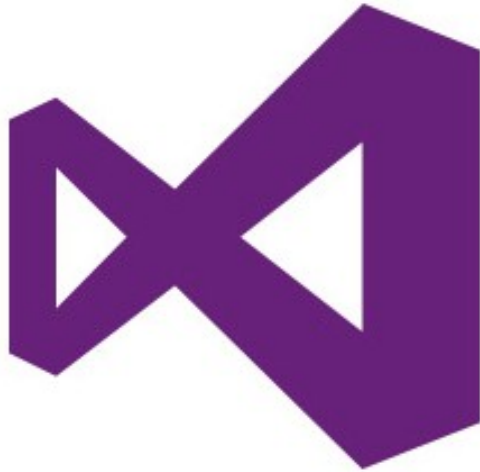
1 2 3



Alpha: 1

OK

Cancel



Zaključak

- Sve većim razvojem područja web tehnologija, pojavljuju se različite programske biblioteke na internetu od kojih su neke besplatne
- Iako su dostupne biblioteke u glavnim mogućnostima dosta slične, svaka od njih sadrži neke značajke koje ju čine drugačijom od ostalih.

A solid blue triangle is located in the bottom-left corner of the slide, pointing towards the center.

Hvala na pažnji!