Prototyping a Social Network
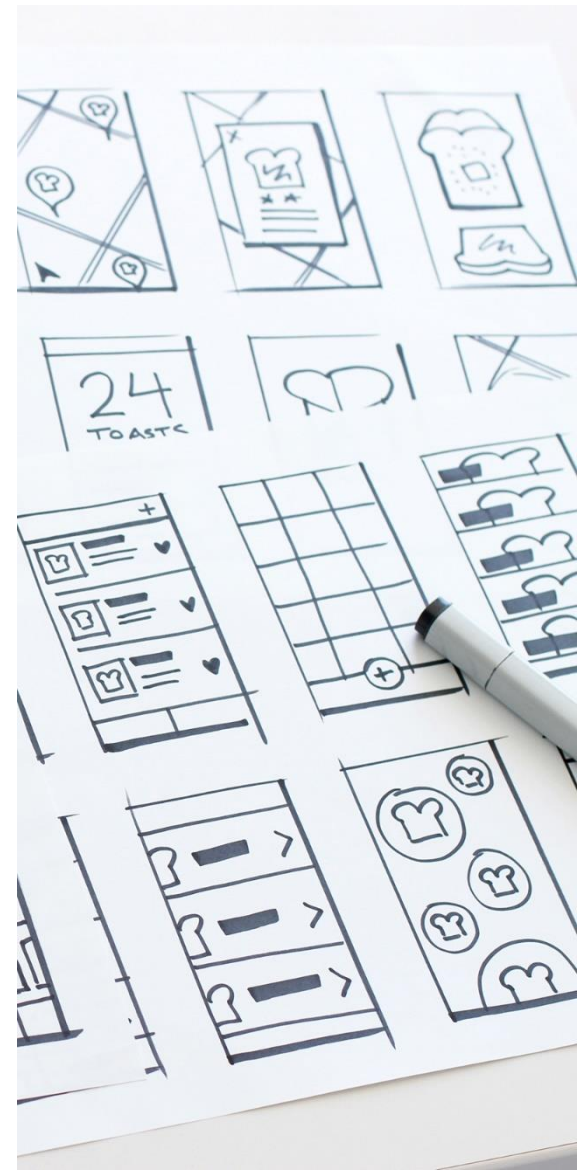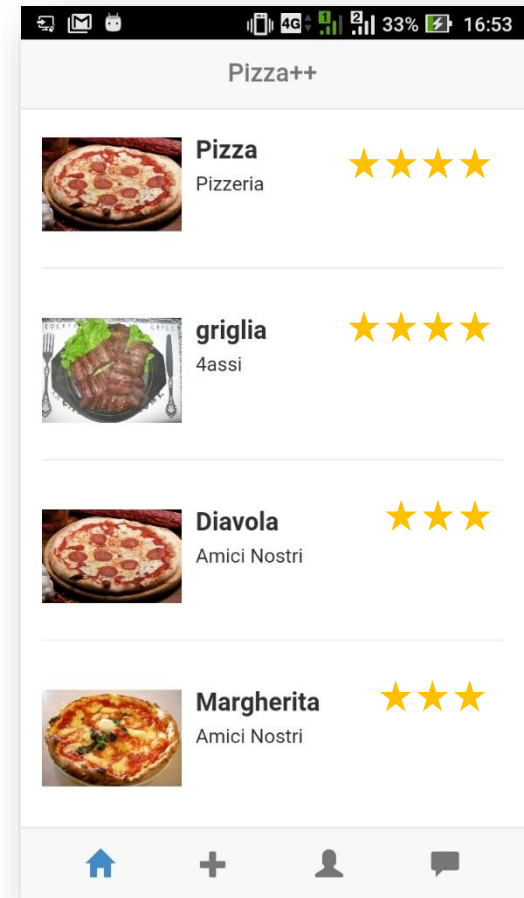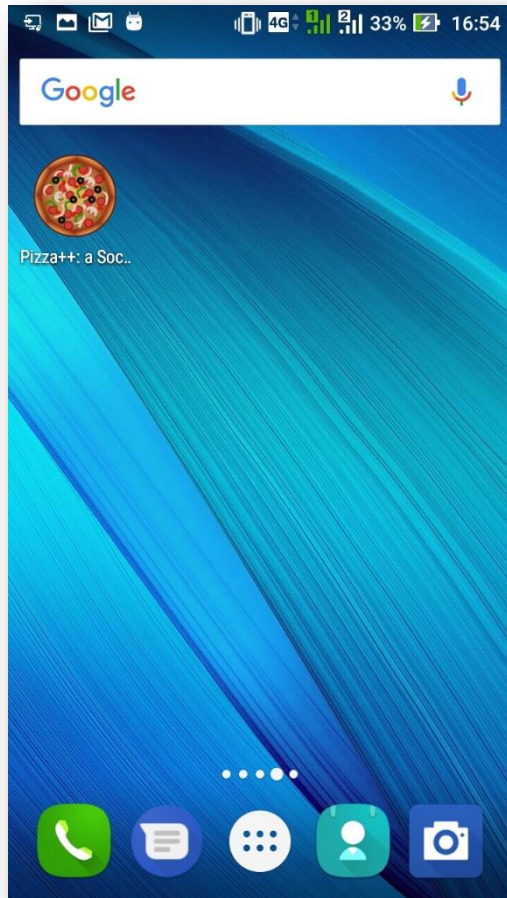
GETTING STARTED…

Introducing an example: … Pizza++

Pizza++

Pizza++

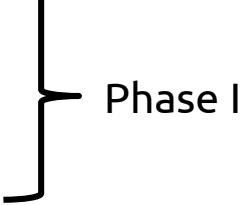It seems an app but… it is fake!

It is a Web application that seems a "mobile app"

- HTML + CSS +JS, only

- Backend as a Service for <u>some</u> "social" features

Pizza++ Feature Set

- Find top pizzas to eat near me
- Post pizzas
- Rate pizzas
- Review (comment) pizzas
- Discuss about pizzas with my friends

Pizza++ Feature Set

- Find top pizzas to eat near me
- Post pizzas

Phase I

- Rate pizzas
- Review (comment) pizzas
- Discuss about pizzas with my friends

Pizza++

- We will built it together!
- Ingredients for frontend
  - HTML5
  - CSS3, with the help of the Bootstrap framework (http://getbootstrap.com)
  - JS, with the AngularJS framework (http://angularjs.org/)
- Ingredients for backend
  - *None*
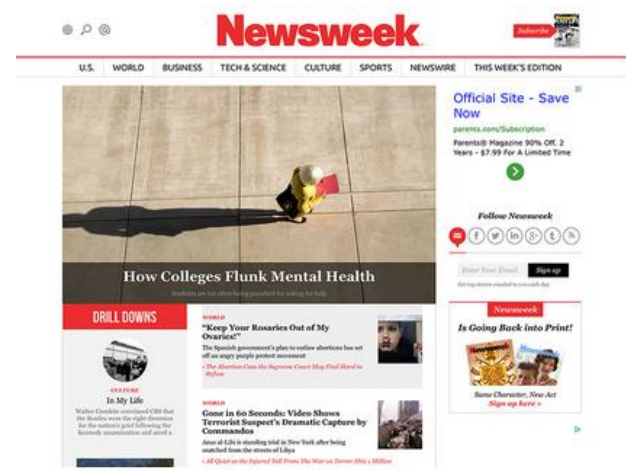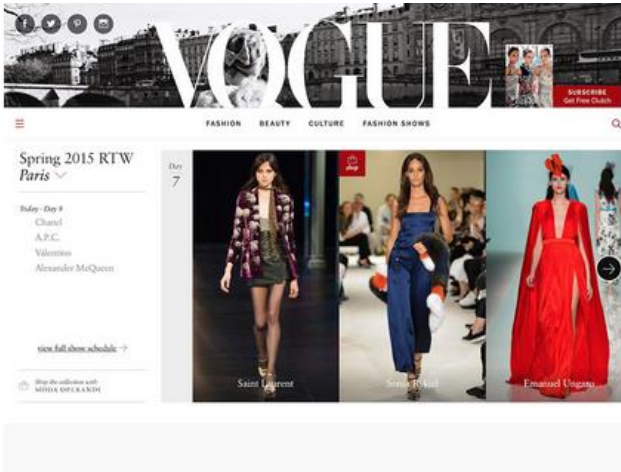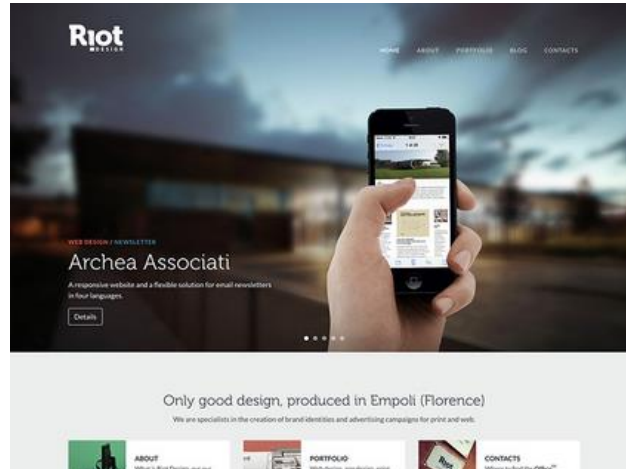 - We will rely on Firebase (https://firebase.google.com/)

Style and Layout in the Web

THE BOOTSTRAP FRAMEWORK

Bootstrap

- Open Source CSS (and Javascript) framework
- Allows applying "modern" styles
  - Sensible and nice-looking defaults
  - Easy to apply custom themes
- Takes care of cross-browser issues
- Simplified layout model

Bootstrap examples
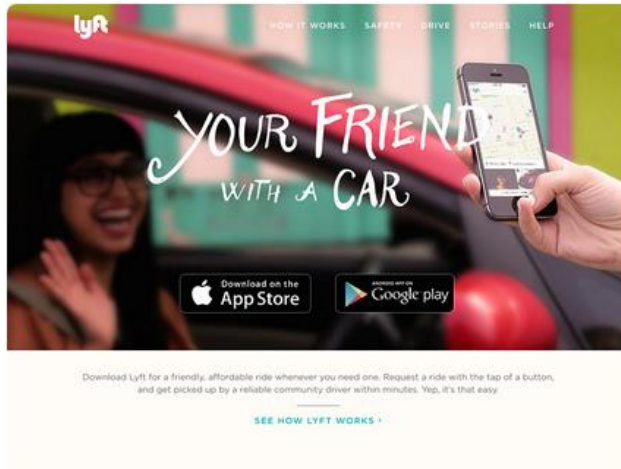
Bootstrap philosophy

- Based on CSS classes
- Each class applies one "effect"
- Various classes may be combined in the same element

```
<span class="label label-success">Success</span>
```

Bootstrap philosophy

- Wide range of "standard" classes
- Wide range of additional "components"
  - Ready-to use interactive elements or groups of elements
- Mobile-first
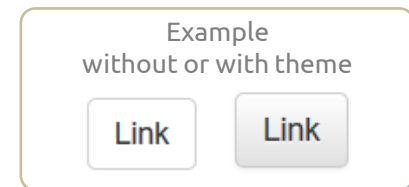 - Responsive

Using Bootstrap

```
<!-- Latest compiled and minified CSS -->
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"
integrity="sha384-BVYiiSIFeK1dGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz/K68vbdEjh4u" crossorigin="anonymous">

<!-- Optional theme -->
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap-theme.min.css"
integrity="sha384-rHyoN1iRsVXV4nD0JutlnGaslCJuC7uwjduW9SVrLvRYooPp2bWYgmgJQIXwl/Sp" crossorigin="anonymous">

<!-- Latest compiled and minified JavaScript -->
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js" integrity="sha384-
Tc5IQib027qvyjSMfHjOMaLkfuWVxZxUPnCJA7l2mCWNIpG9mGCD8wGNIcPD7Txa" crossorigin="anonymous"></script>
```

- 3 files
  - Bootstrap
  - Theme (optional for gradient/animation)
  - Javascript support

Example
without or with theme

Link   Link

- Or download locally

Page structure

- Start with **Basic template**
  - http://getbootstrap.com/getting-started/#template
- Or, choose from published **Examples**
  - http://getbootstrap.com/getting-started/#examples

- Remember to include your page content in a <div class="container">

Buttons & Menus
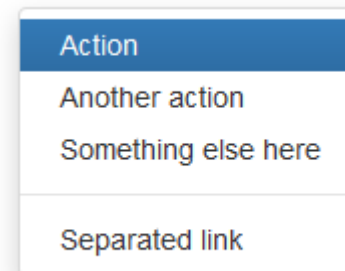
Tables

#	First Name	Last Name	Username
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
3	Larry	the Bird	@twitter

#	First Name	Last Name	Username
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
3	Larry	the Bird	@twitter

#	First Name	Last Name	Username
1	Mark	Otto	@mdo
	Mark	Otto	@TwBootstrap
2	Jacob	Thornton	@fat
3	Larry the Bird		@twitter

#	First Name	Last Name	Username
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
3	Larry the Bird		@twitter

Navigation bars
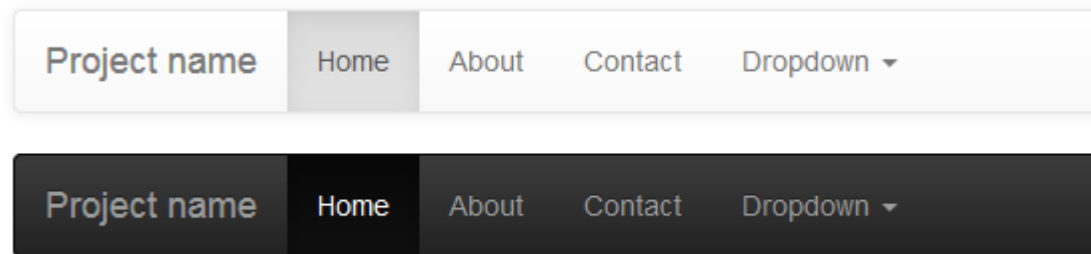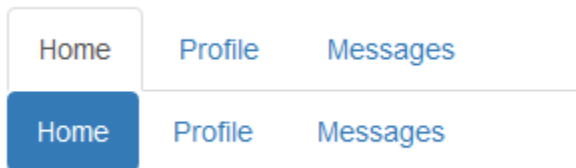
Grids & Columns

| .col-md-4 | .col-md-4 | .col-md-4 |

| .col-md-3 | .col-md-6 | .col-md-3 |

| .col-md-8 | .col-md-4 |

More info, examples, help

- http://getbootstrap.com/getting-started/
- http://getbootstrap.com/css/
- http://getbootstrap.com/components/
- http://www.w3schools.com/bootstrap/default.asp

Getting started with Pizza++ and Bootstrap
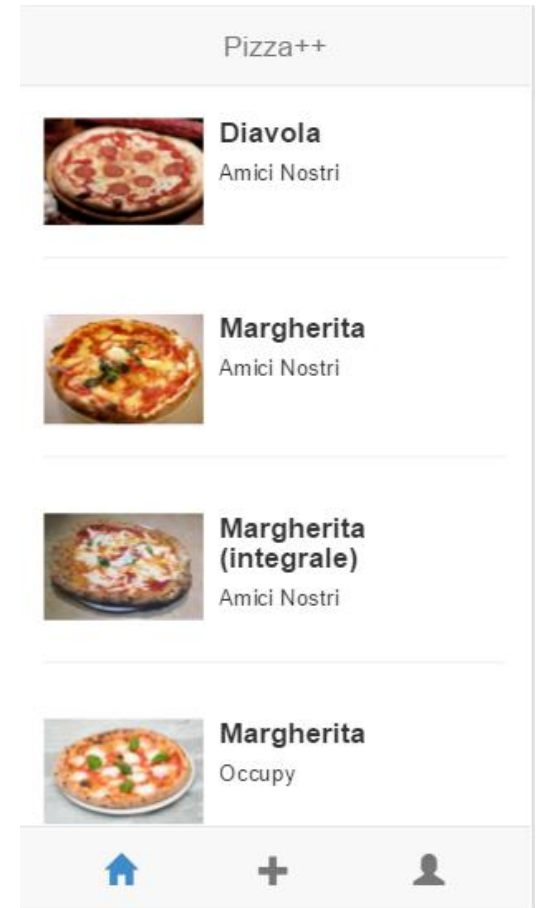
EXERCISE

Prototyping a Social Network

Exercise

- **Starting from the project available on the course website**
  - pizza-plain.zip

- **Apply Bootstrap**
  - to obtain something like the image on the right

  Suggestion

  Look at the following bootstrap classes:
    - Grid system
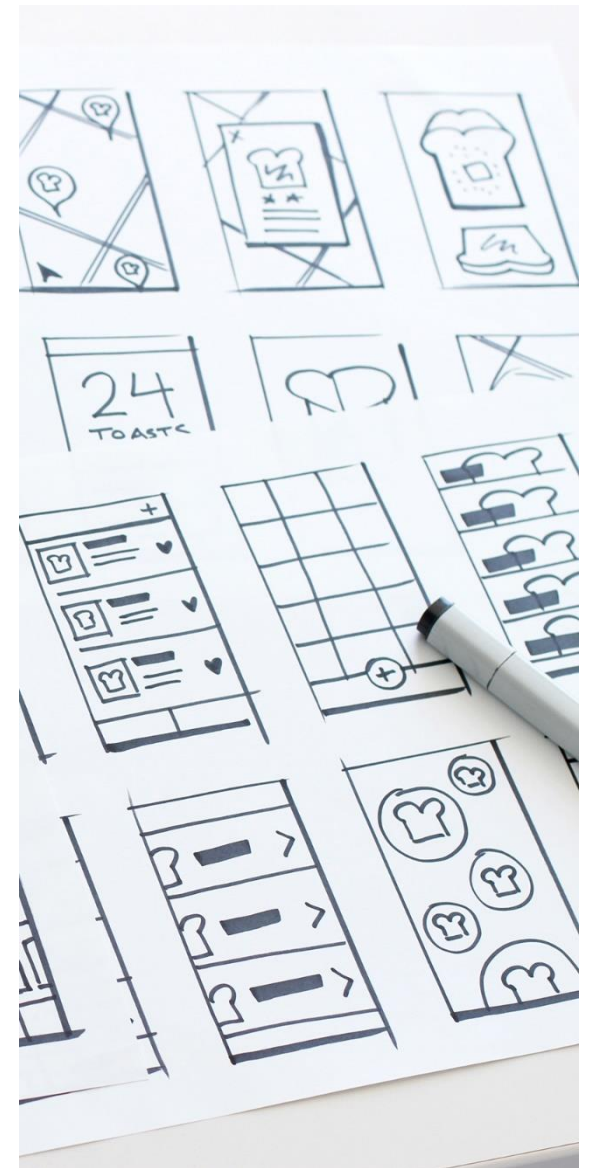   - Media list component
    - Navbar component

Questions?

01QYAPD Social Networking: technologies and applications

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Thanks to **Luigi De Russis** (luigi.derussis@polito.it), the creator of this set of slides!

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