Bootstrap

TECGRAF
PUC-RIO

INF1802

Profa. Melissa Lemos

Outline

- Install Bootstrap
- Main features – Bootstrap/ CSS

Reference

- W3Schools
  - http://www.w3schools.com/
- Coursera
  - www.coursera.org
  - Responsive Website Basics: Code with HTML, CSS, and JavaScript
  - University of London
  - Prof. Dr Matthew Yee-King

Bootstrap

- There's so many different HTML tags that we could use, and the browser has a lot of default settings for all of those HTML tags.

- If we really want to escape from the default look and really get towards a more modern look, then we're gonna have to do a lot of work in the style sheets to really style everything up.

- There's many libraries out there, which basically give you ready made sets of CSS customizations on the default way the browser displays it.
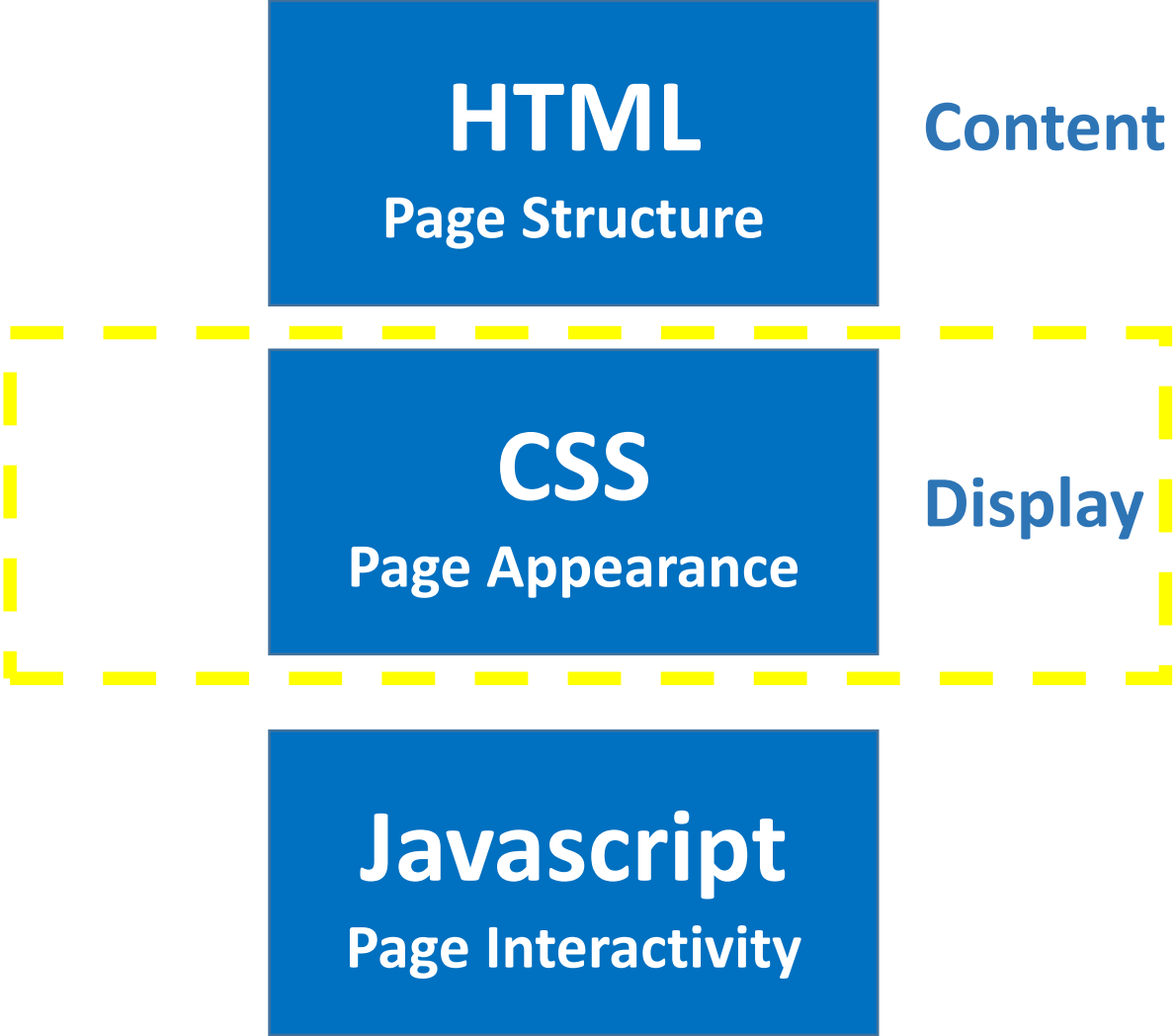
- And one of the more popular ones is called Bootstrap.
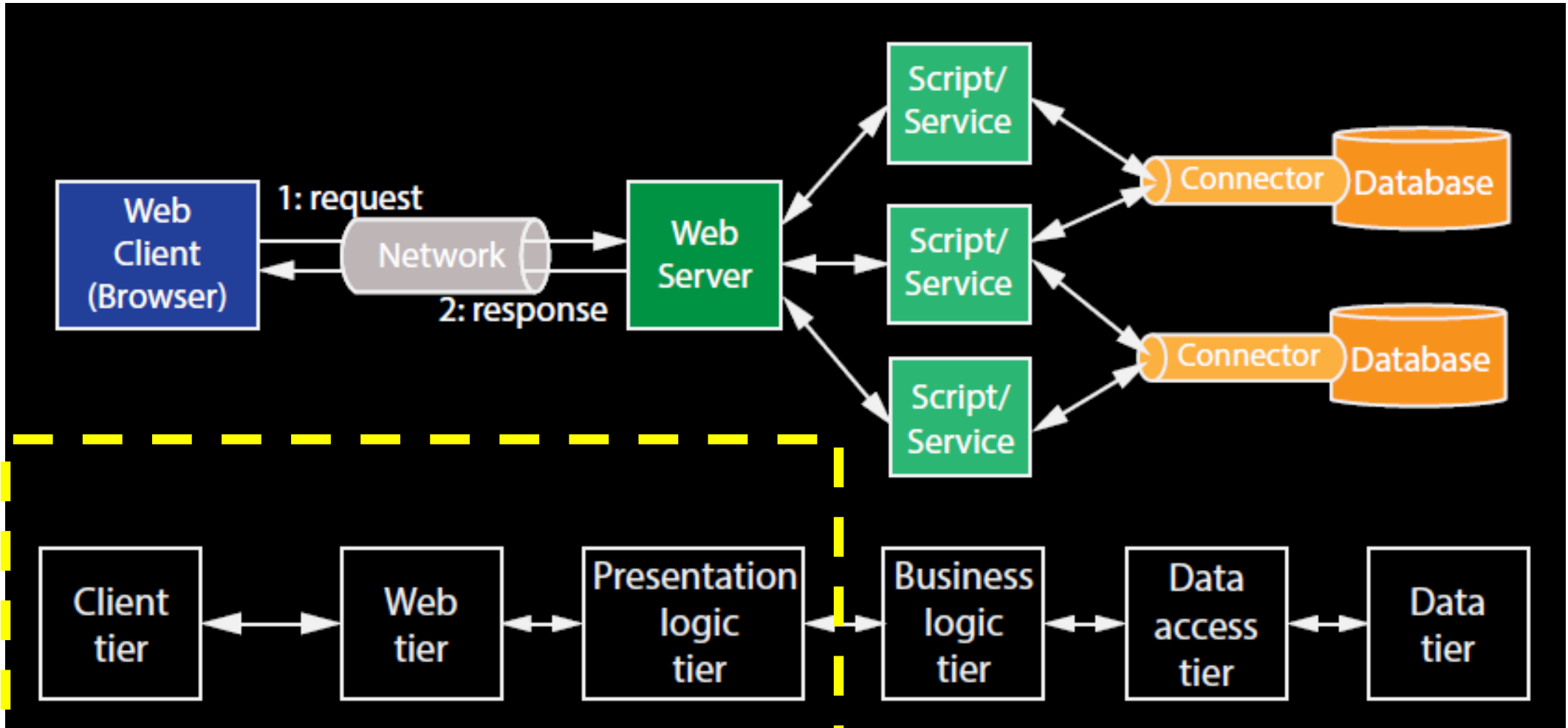
Technologies

HTML
Page Structure

CSS
Page Appearance

Javascript
Page Interactivity

Technologies

HTML
Page Structure

Content

CSS
Page Appearance

Display

Javascript
Page Interactivity

Our Focus in this module: CSS/Bootstrap

Install

codigo4

Home   Share   View

Cut
Copy path
Paste shortcut

Move   Copy   Delete Rename
to   to

New
folder

New item
Easy access

Properties

Open
Edit
History

Select all
Select none
Invert selection

Clipboard   Organize   New   Open   Select

« 20161-INF1802 ▸ conteudo ▸ Aulas ▸ 04-CSS ▸ codigo4

Search codigo4

Name	Date modified	Type	Size
aboutme	23/02/2016 10:59	HTML File	1 KB
bootstrap	25/12/2015 23:07	CSS File	144 KB
contact	23/02/2016 10:59	HTML File	1 KB
index	23/02/2016 10:59	HTML File	1 KB
inf1802	23/02/2016 10:54	HTML File	1 KB
melissa	19/02/2016 10:03	PNG image	63 KB
style	22/02/2016 19:51	CSS File	1 KB

1 item selected 143 KB

```
 1   /*!
 2    * Bootstrap v3.3.5 (http://getbootstrap.com)
 3    * Copyright 2011-2015 Twitter, Inc.
 4    * Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LI
 5    */
 6   /*! normalize.css v3.0.3 | MIT License | github.com/necolas/normalize.c
 7   html {
 8     font-family: sans-serif;
 9     -webkit-text-size-adjust: 100%;
10         -ms-text-size-adjust: 100%;
11   }
12   body {
13     margin: 0;
14   }
15   article,
16   aside,
17   details,
18   figcaption,
19   figure,
20   footer,
21   header,
22   hgroup,
23   main,
24   menu,
25   nav,
```

Line 1, Column 1   Sp

Take a look !

aboutme.html   •   contact.html   •   index.html   •   bootstrap.css   ×

```
 1   <html>
 2       <head>
 3
 4           <link rel="stylesheet" type="text/css" href="bootstrap.css">
 5       </head>
 6       <body>
 7           <a
 8           href="index.html">
 9               Home
10           </a>
11             
12           <a
13           href="aboutme.html">
14               About me
15           </a>
16            
17           <a
18           href="contact.html">
19               Contact me
20           </a>
21           <a
22           href="inf1802.html">
23               INF1802-2016.1
24           </a>
25
26           <hr></hr>
```

File   Edit   Selection   Find   View   Goto   Tools   Project   Preferences   Help

aboutme.html   ✕   index.html   ✕

```
13              About me
14        </a>
15         
16        <a
17        href="contact.html">
18              Contact me
19        </a>
20        <a
21        href="inf1802.html">
22              INF1802-2016.1
23        </a>
24
25        <hr></hr>
26
27        <div class="container"> My First web page</div>
28
29      </body>
30  </html>
31
32
```

23 characters selected   Tab Size: 4   HTML

index.html   ✕

← → C   file:///C:/Users/melissa/Dropbox%20(Tecgraf)/Melissa-Tecgraf/Treinament☆ ☰

Home   About me   Contact me INF1802-2016.1
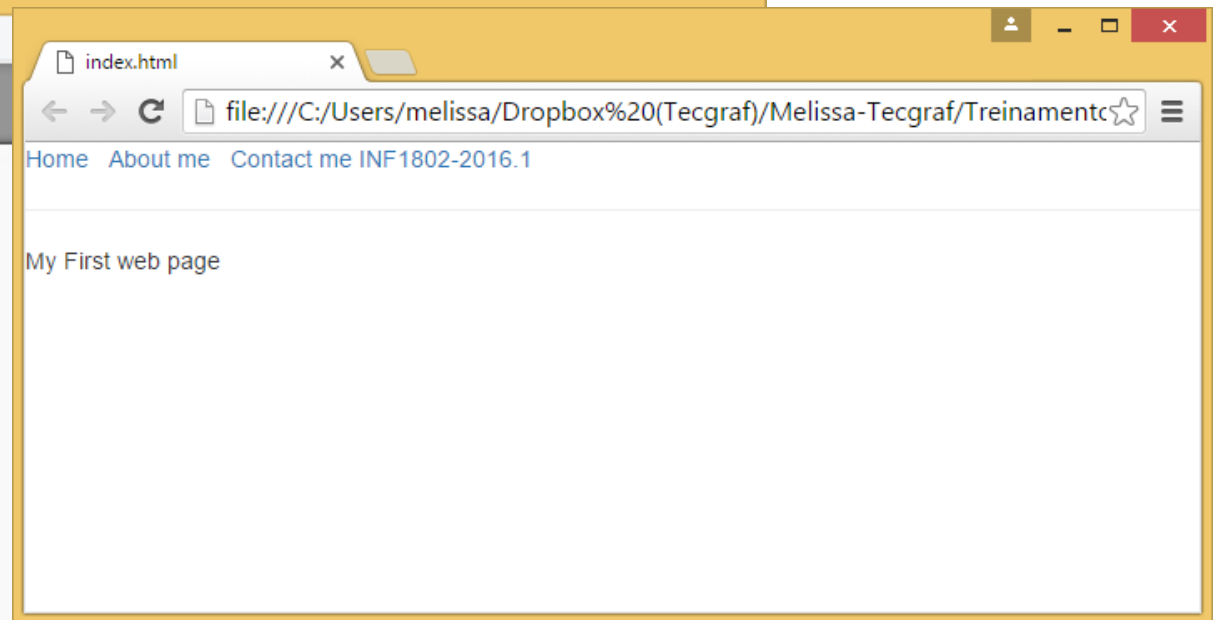
My First web page

Div Tags define areas of the page for styling

Bootstrap Grids

1	2	3	4	5	6	7	8	9	10	11	12

1	2	3	4	5	6	1	2	3	4	5	6

```
25      <hr></hr>
26
27          <div class="container">
28              <h1> My First web page </h1>
29              <div class="row">
30                  <div class="col-md-6">
31                      column 1
32                  </div>
33                  <div class="col-md-6">
34                      column 2
35                  </div>
36
37              </div>
38          </div>
39
40      </body>
41 </html>
```
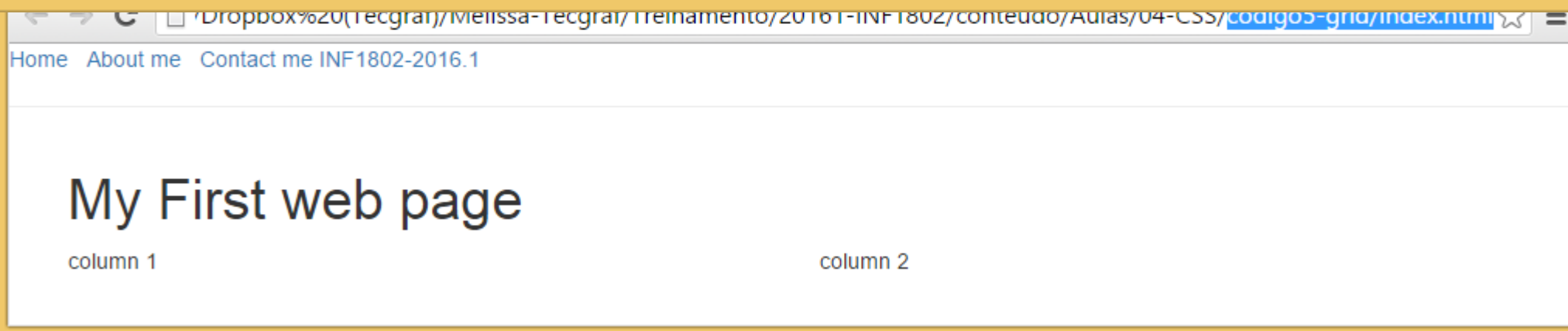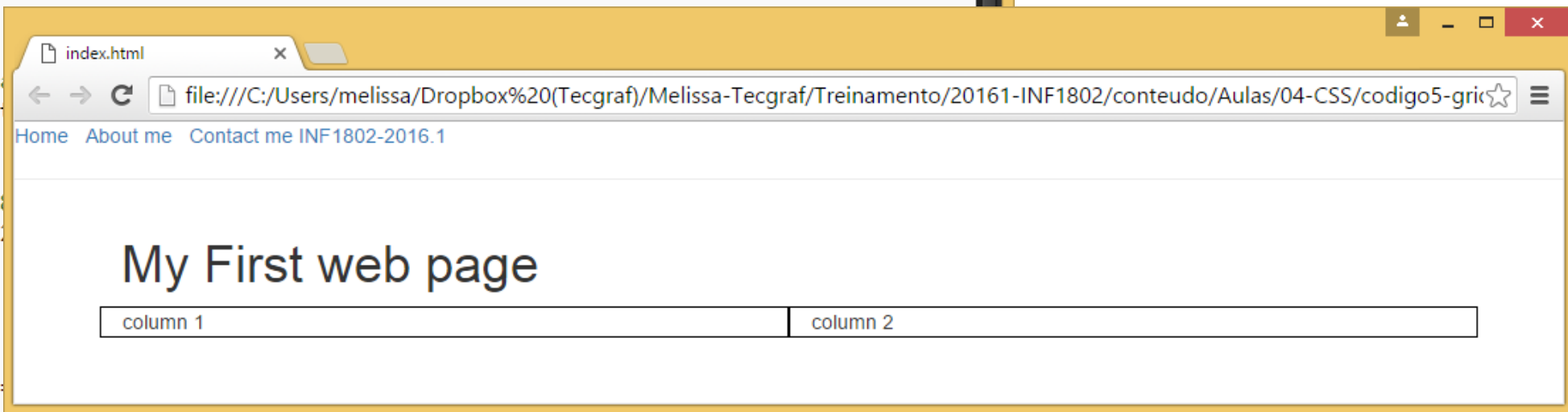
12 lines, 219 characters selected   Tab Size: 4   HTML

Home   About me   Contact me INF1802-2016.1

My First web page

column 1   column 2

File   Edit   Selection   Find   View   Goto   Tools   Project   Preferences   Help

| aboutme.html | × | index.html | × | 7-index.vtt | × | style.css | × |

```
4     </head><link rel="stylesheet" type="text/css" href="bootstrap.css">
5     <link rel="stylesheet" type="text/css" href="style.css">
6     <body>
7         <a
8       href="index.html">
9           Home
10        </a>
11          
12        <a
13      href="aboutme.html">
14          About me
15        </a>
16        
17        <a
18      href="cont
19          Contac
20        </a>
21        <a
22      href="inf18
23          INF180
24        </a>
25
26       <hr></hr>
27
28       <div class
29           <h1> My First web page </h1>
30           <div class="row">
31               <div class="col-md-6 thin_border">
32                   column 1
33               </div>
34               <div class="col-md-6 thin_border">
35                   column 2
```
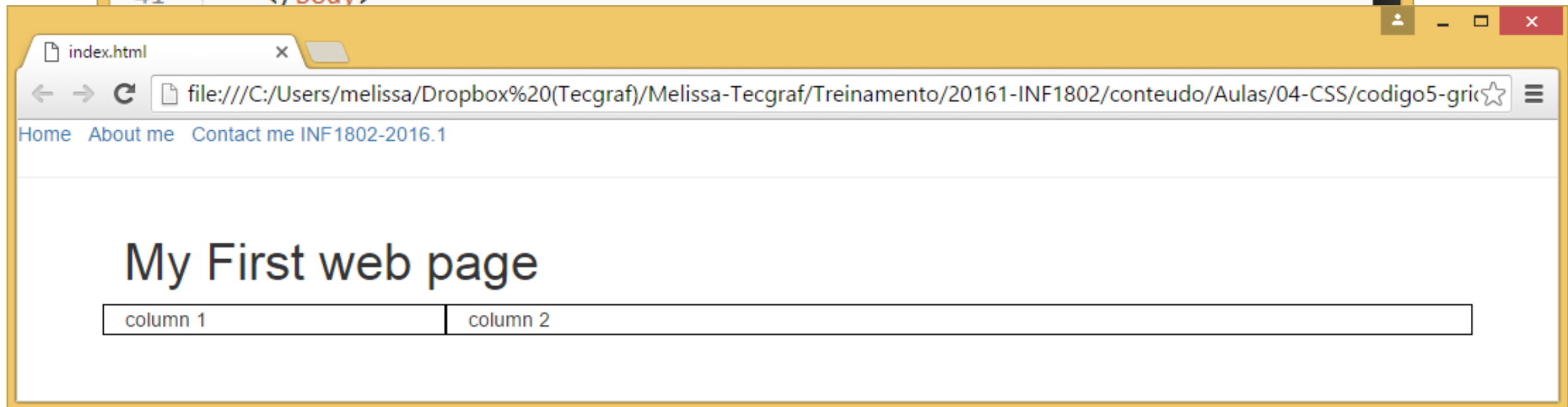
File   Edit   Selection   Find   View   Goto   Tools   Project   Preferences   Help

| aboutme.html × | index.html × | 7-index.vtt × | style.css × |

```
1     .thin_border{
2
3       border: 1px solid black;
4
5     }
6
7
```

index.html ×

file:///C:/Users/melissa/Dropbox%20(Tecgraf)/Melissa-Tecgraf/Treinamento/20161-INF1802/conteudo/Aulas/04-CSS/codigo5-gri

Home   About me   Contact me INF1802-2016.1

My First web page

| column 1 | column 2 |

```
27
28          <div class="container">
29              <h1> My First web page </h1>
30              <div class="row">
31                      <div class="col-md-3 thin_border">
32                          column 1
33                      </div>
34                      <div class="col-md-9 thin_border">
35                          column 2
36                      </div>
37
38              </div>
39          </div>
40
41      </body>
```
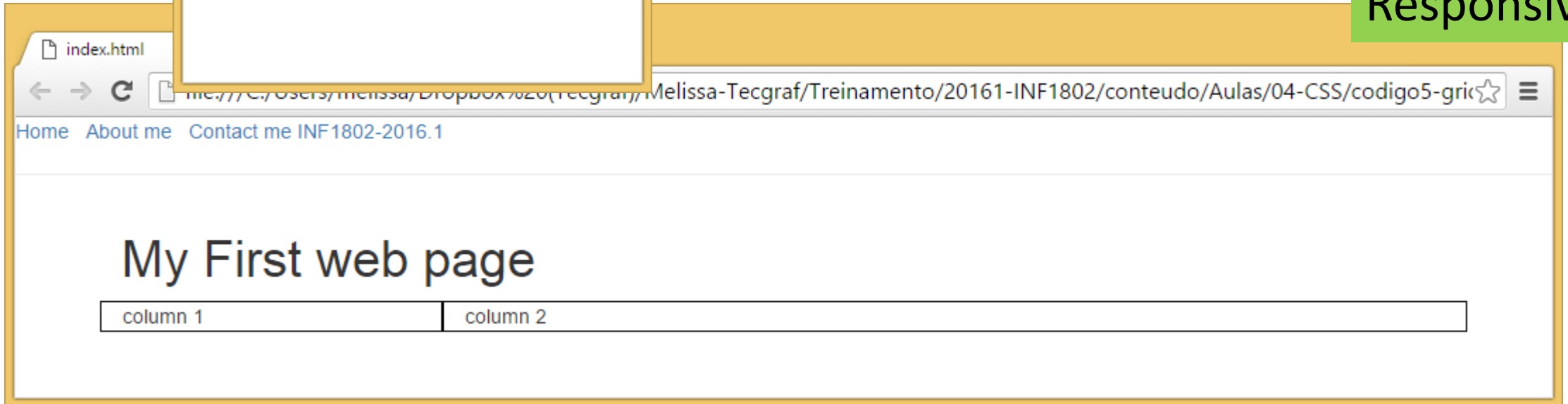
index.html

Home   About me   Contact me INF1802-2016.1

My First web page

column 1	column 2

Grid

- The Bootstrap grid system has four classes:
  - xs (for phones)
  - sm (for tablets)
  - md (for desktops)
  - lg (for larger desktops)
- The classes above can be combined to create more dynamic and flexible layouts.

http://www.w3schools.com/bootstrap/bootstrap_grid_examples.asp

More …

- Typograph
  - http://www.w3schools.com/bootstrap/bootstrap_typography.asp
- Tables
  - http://www.w3schools.com/bootstrap/bootstrap_tables.asp
- Images
  - http://www.w3schools.com/bootstrap/bootstrap_images.asp
- Pagination
  - http://www.w3schools.com/bootstrap/bootstrap_pagination.asp
- List
  - http://www.w3schools.com/bootstrap/bootstrap_list_groups.asp
- Navbar
  - http://www.w3schools.com/bootstrap/bootstrap_navbar.asp