# Homework 3

Submit Assignment

**Due**  Nov 2 by 11:59pm        **Points**  15       **Submitting**  a text entry box or a website url
**Available**  Oct 6 at 8am - Dec 14 at 11:59pm 2 months

# Homework 3

**Objectives:** You understood and are able to use Bootstrap or Semantic UI to create a web app for mobile devices and the application of Geolocation.

**NOTE: This assignment will be due only at the end of the next topic (Topic 6)! But start as soon as you can - next topic is when we will learn about Geolocation techniques, WURFL (Databases), Standalone, and XHTML-MP!**

You will find your starting page in the **homework3** folder (index.html). The idea is for you to use one of the frameworks learned to make that page look more mobile-app-style.

Besides that, you need to create 4 extra pages:

- a **Contact Us** page - you will show the email address, telephone, address, URL to the facebook page (a fake one, of course) of the company and you will also provide a small form (name, email, comment area, and a submit button) so the company can collect some information from the user (do not worry about preparing the program to send the email and making it work…I just want to make sure that you are able to build a form that is mobile ready using the new HTML 5 input elements and other tags to make your form accessible)

- a **Products** page - this page will show a list of at least 3 toys – picture and some description – this list should be collapsible so the user will open it by the name of the toy to see the picture and the description of the toy (all created by you) – see picture shown here for an idea on how this page should be shown.

   The icon of the Toy 1, Toy 2, etc. tab should have the "information" icon being the "little i inside a circle" – see shown here

  **Tips:** the collapsible in Semantic UI is the Accordion module we studied and for collapsible with Bootstrap, you can take a look here -
  **https://www.w3schools.com/bootstrap/bootstrap_collapse.asp (https://www.w3schools.com/bootstrap/bootstrap_collapse.asp)**



- a **Location** page - this page will be completed after you study the material on Topic 6 (about Geolocation) - you will show the current latitude and longitude of the user. **The extra credit will be if you show the map showing the location of the user** but you will only get the extra credit points (**+2**) if the map opens correctly without the need of refreshing the page, clicking of button, or anything like that.

- an **Extra** page - where you will describe 3 capabilities offered by WURFL database (it's not the characteristics of WURFL or what is WURFL, it's related to the capabilities that a developer, with access to WURFL, can use and test against the device that is requesting the application - for example, there is a capability called **brand_name** that will give the brand of the device) - you can style that page as a definition list, or a simple table using the styles of the Framework of your choice

You should include, in all the pages, a group of buttons so the user can go to any of the pages (a kind of navigation bar) – it can be placed at the top or bottom of the page but you need to make sure that when the page is scrolled down, the user will still see that navigation bar.

Create your pages (or one page if you are developing as an SPA = Single Page Application) and upload to your web server account.

Test your pages especially in some mobile devices to see how they look.

Go to Canvas, click on the **Assignments** link, then click on the **Homework 3** link, read the instructions, click on the button to type, in the space provided, the URL to the homepage (index.html) and click on the Submit button again

**Note:** you can choose the 3 pictures for the toys – prefer small pictures, preferably png format

**Grading Criteria:**

- The framework was used correctly. There is a navigation bar and it shows in all  pages (home, contact, and products), the navigation bar stays fixed at the top or bottom even if I scroll the page up or down, and there is a header in all the pages as well, the form in the contact page is correctly coded and using features to enhance accessibility – 8 points
- The Geolocation is working correctly (showing latitude and longitude) - 3 points
- The capabilities listed are real WURFL capabilities and you wrote a basic explanation about the capabilities -  3 points
- The pages opened correctly in mobile devices and also in desktop and I do not get any NOT FOUND or FORBIDDEN message – 1 point

After you complete your assignment, make sure you type the correct URL to the first page of your website in the box provided below. Test the URL before you submit it to make sure it is opening your website with no errors (NOT FOUND or FORBIDDEN).

You will see the extra points applied to the points of your assignment!

**If you submit late, you will get a maximum of 1 point for the extra credit!**

**Next Module:**
TOPIC 6 -
STANDALONE,
XHTML-MP,
Databases,
Geolocation -
WEEKS 10, 11