

Laboratory Sheet 5

Bootstrap

Published date: Monday, 21 October 2018

Due Date: Monday, 10 December 2018, 9:00 am

Successful completion of this lab is worth **2%** of the module marks.

Successful completion of all 7 labs is worth an additional **1%** of the module marks.

Note:

1. All the code (e.g., .html, .css and .js files) must be submitted using webcourses – in zipped format.
2. Must be demo-ed in the labs either before or after submission.
3. Failure to provide code or demo will result in a mark of 0%.

Includes: All lecture material covered in Week 5; and All instructions for lab exercises set in Week 5.

What you need: Notepad++ (or another); Chrome (or another); HTML5, CSS, JavaScript, jQuery, Bootstrap.

Where you can get support: Lecture notes on webcourses + full references on <https://www.w3schools.com>.

Remember: Use “Dev Tools”, such as the Console and Inspect Elements, to debug your code.

Note:

- The `.container` class provides an adaptive fixed width container (i.e., which only changes its size when the browser moves to fixed widths).
 - The `.container-fluid` class provides a highly responsive full width container (i.e., which continuously resizes as the width of the browser changes, leaving no extra empty space on the sides).
- 1) Complete the Week5_FormValidationExercise.html (available on Webcourses):
 - a) Get the “Portfolio” Bootstrap template from https://www.w3schools.com/bootstrap/bootstrap_templates.asp.
 - b) Edit the main **Jumbotron** to read: “My Lab Portfolio”.

- c) Edit the **Navigation Bar** so that it only shows links to your previous lab solutions (e.g., as Lab 1, Lab 2, etc).
- d) Use a **drop down menu** for Labs where more than one web page was created (e.g., as in the case of Lab 4).
- e) Add **tooltips** to each menu option on the **Navigation Bar** to display summary information about each lab when users move their mouse pointers above each element (e.g., Form Validation using Native JS).
- f) Create an *About Me* section to the just below the Navigation Bar, divided into two parts using the **Bootstrap Grid** within a highly responsive full width container. Create each part as follows, with the first part one fifth the size of the second part, on small, medium and large devices, and stacked on extra small devices:
 - i) Show a picture of yourself, as a **circle image**, in the first section on the left.
 - ii) Describe your level of programming experience, in the second section to the right.
- g) Include a *Portfolio* section below the *About Me* section, with a gallery of 4 equally sized snapshots of your work from the previous labs as **images with rounded corners**, within a highly responsive full width container. The images must will automatically stack on one on top of the other on extra small devices, stack on two on top of two others on small devices, and display 4 in a row on medium and large devices.
- h) Provide a **table** listing the title, origin and first lines of three nursery rhymes, within a fixed width container. The table should be striped, bordered, and responsive. The rows of the table should also be highlighted when users move their mouse pointers above.
https://en.wikipedia.org/wiki/List_of_nursery_rhymes
- i) Use the **Carousel** plugin to allow users to scroll through five or more images of yourself, with a caption included for each picture.
- j) Resize your browser window to check the responsiveness of the various elements.