|  |
| --- |
| **Create a new word document for this homework named LABX-MUid.docx (example: LAB6-johnsok9.docx).**  **Objective**: The objective of this exercise is to:   1. Learn and implement Bootstrap responsive library 2. Work on good looking web pages   **Submit**: screenshots, your word document, html file (with .html extension), css file and a link to your web page  You **may** discuss the concepts with your fellow students |

# Part #1: Bootstrap Tutorial

*Estimated time: 30 minutes*

**Option 1: W3Schools Tutorial**

**Exercise:** Use the class PowerPoint and getbootstrap.com as reference material.

Use the W3 schools bootstrap tutorial to feel comfortable with the concepts.

[**https://www.w3schools.com/bootstrap5/**](https://www.w3schools.com/bootstrap5/)

1. Review the bootstrap information
2. Make sure you understand enough to implement the assignment
3. 3 screen grabs showing tutorial

Graphical user interface, text, application, email

Description automatically generated

A picture containing table

Description automatically generated

Graphical user interface, text, application

Description automatically generated

# Part #2: Create a gridded web page

*Estimated time: 30 minutes*

**Exercise:**

* + - Create a web page using bootstrap (start with the template below)

<!doctype html>

<html lang="en">

<head>

<!-- Required meta tags -->

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<!-- Bootstrap CSS -->

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3" crossorigin="anonymous">

<title>Hello, world!</title>

</head>

<body>

<h1>Hello, world!</h1>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p" crossorigin="anonymous"></script>

</body>

</html>

* + - Create a web page with five rows
      * Row1
        + Column of width 3

Paragraph of text

* + - * + Column of width 5

Picture (100 X 150) with caption

* + - * + Column of width 4

Paragraph of text

* + - * Row 2
        + Column of width 8

Paragraph of text

* + - * + Column of width 4

Picture (200 X 200) with caption

* + - * Row 3
        + Column of width 8

**Jumbotron** with information about Miam and the button links to the Mymiami website

* + - * + Column of width 4

Miami Picture (300 X 300) with caption

* + - * Row 4
        + Skip 2
        + Column of width 8

Card group

3 cards with images

* + - Verify that it degrades nicely
      * Screen grab full size (shrink page if needed for picture)
      * Screen grab at half size
      * Screen grab at phone width

# SUBMIT:

* Screenshots
  + Three screenshots showing web page at full size, half size and phone (smallest possible width)
  + Tutorial or expert paragraph
* File
  + Attach the html file
* Paste the URL to your page into the submission as a comment
  + Note: use <https://ceclnx01.cec.miamioh.edu> as the base address

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Timeline

Description automatically generatedGraphical user interface

Description automatically generated with medium confidence