

Coding: 90 minutes

### Requirements:

To develop a Mobile Web Site using Angular framework.

- Please create a new Angular project and name it **<yourlogin>Midterm**.
- Please generate the following within the project:
  - Create a Class called *Monitor* with properties: model (string), brand (string), resolution (number), size (number), year (number), manufacturer (string), unitsSold (number), inventory (number).
  - Store the Class in a file called **<yourLogin>monitor.ts**.
  - Create a JSON file in the assets/data folder called *monitorData.json* representing monitor data. Ensure that the data structure matches the *Monitor* class, include at least three objects in the file.
  - Generate a component and name it **monitorDetails**.
  - Generate another component and name it **monitorStats**.
- The Root component will do the following:
  - Include the selector of the monitorDetails and monitorStats components in the template.
  - Create an Angular Material Tab Group Structure with two tabs, one for each component.
  - Retrieve the objects from the monitorData.json file.
  - Share the following of the monitor objects with the monitorDetails component:
    - model, brand, resolution, size, and year.
  - Share the following of the monitor objects with the monitorStats components:
    - model, brand, manufacturer, unitsSold, and inventory.
- The monitorDetails component will do the following:
  - Retrieve the data sent by the root component and display all the data as a list.
  - Use [ngStyle] to apply a red color to the list.
- The monitorStats component will do the following:
  - Retrieve the data sent by the root component and display all the data as a list.
  - Use [ngStyle] to apply a orange color to the list.

**Grading Rubric**

| Items                     | Marks |
|---------------------------|-------|
| Class and Data            | 3     |
| Retrieve and Display Data | 7     |

**Submission:**

- **Zip the "src" folder of your project** and **submit** it to the "*Midterm Exam*" Dropbox on SLATE.
- No need to deploy to cPanel.
- Late submissions will NOT be accepted.

**Note:** Please make sure the zip file is properly created. **It is your responsibility to make sure the zip file contains your entire work for this exam.**