

## Requirements:

**To develop a Mobile Web Site using Angular framework.**

Create a new Angular project called <yourLoginName>A2 that includes four feature components – **Header, Museum, Paintings, and Footer.**

- **External Data**
  - **Create** a **Class** using your login as name and store it in a file (your choice of file name) in the *app* folder. This **Class** will include the following properties (your choice of property names and data types):
    - **Your name, student number, login name, Sheridan email, campus, and assignment title**
  - **Create** an external data file (your choice of name) in the *assets/data* folder that contains a const with info using the login **Class** as type.
  - **Download A2.zip** from SLATE and extract two JSON files needed for this assignment.
  - **Copy** the two JSON files into the *assets/data* folder.
  - **Update tsconfig.json** for retrieving JSON files as covered in class.
  - **Create** an **interface** for each of the JSON files (your choice of names). Store the interfaces in the same file as the login **Class**.
  - In the root component retrieve data from all three data files and **pass** them with the following feature components:
    - Profile data => **Header and Footer components.**
    - Museum data => **Museum component.**
    - Paintings data => **Paintings component.**
- **Header and Footer components**
  - Both the header and footer components will have the *same format* regarding tags, background, text color, plus any other formatting of your choice. Try using the **styles.css** to create global styles for these two components.
  - **Use the Input decorator to receive the profile data from the root component and use the login Class as type.**
  - In the header component html file, use string interpolation to display **assignment title / student number / name.**
  - In the footer component html file, use string interpolation to display **your name / login name / Sheridan email / campus.**

- **Museum component**
  - Use the **Input decorator** to receive the museum data from the root component and use the **museum Interface** as type.
  - Display the data in an **Angular Material Table** with **column headings**.
  - Use **[ngStyle]** to apply a color to the table.
- **Paintings component**
  - Use the **Input decorator** to receive the paintings data from the root component and use the **painting Interface** as type.
  - Display the data in an **Angular Material List** with headings (use **\*ngFor**).
  - Use **[ngStyle]** to apply a color to the list.
- **Root component**
  - In the template:
    - Share data with the **Header**, **Museum**, **Paintings**, and **Footer** components.
    - Include the **header component**.
    - Create an **Angular Material Tab Group Structure** with two tabs for the **Museum** and **Paintings** components.
    - Include the **footer component**.

### Other Requirements:

- I will be using Chrome's Toggle Device Bar for iPhone 12 in the **landscape mode** to grade your site.
- Remember, this is a **mobile site** so formatting and layout should reflect this; too much scrolling or whitespace will reduce your mark.

### Grading Rubric

Items	Marks
Class/Interfaces and data	2
Header and footer components	2
Components and Angular Material features	6
<b>Site NOT published to cPanel</b>	<b>-5</b>

**Submission:**

- Publish your project to **cPanel**. **Deployment can be up to 3 days late without penalty.**
- Submit to "Assignment 2" Dropbox on SLATE (e-mail submissions will NOT be accepted):
  - **A zip copy of the **src** folder of your Angular Assignment Folder.**
  - Include the **cPanel** URL to your published site in the comment section of the Dropbox.
  - Include the password for the username "**prof**" for me to access your cPanel site **ONLY IF PASSWORD PROTECTED.**
- For help with publishing/deploying, see **Angular-Deployment** in the References section on SLATE.
- Assignment can be submitted up to 3 days after the due date with 10% penalty per day. After 3 days the assignment will no longer be accepted.
- Only the last submission is accepted and marked, all others are ignored.
- **Assignment must be completed individually.**