

Requirements:

To develop a Mobile Web Site using Angular framework.

Create a new Angular project called **<yourLoginName>A3** that includes four components: "header", "footer", "planetList", "planetDetails" and a service named "getData".

- **External Data**
 - Create a Class using **<your login>** as name and save it in a file (your choice of file name) within the *app* folder. This Class should 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. This file should contain a const with information utilizing the login Class as type.
 - Retrieve the "planets.json" file from "planets.zip" on SLATE.
 - Extract the image files from "planets.zip" and store them in the *assets/images* folder.
 - Create an interface named **<your login>planet** and save it as "myplanets.ts" in the *app* folder. This interface should include the properties from the "planets.json" file.
 - Import the planet interface and fetch the planet data into the service.
- The **Header and Footer Components**
 - Import the login class and the login data into both the header and footer components.
 - In the header component's template, utilize string interpolation to display an H2 containing **assignment title / your student number / your name**.
 - In the footer component's template, utilize string interpolation to display an H3 containing **your login / your Sheridan email / your campus**.
- The **Root Component**
 - Configure the router outlet.
- The **PlanetList Component**
 - Fetch planet data from the service.
 - Display the "planetName" data using Angular Material List.
 - On selection of an item via a "click" event in the list, pass the data of the selected item while navigating to the "planetDetails" component.
- The **PlanetDetails Component**
 - Retrieve the data passed by the "planetList" component.
 - Display the data, including the image, within an Angular Material Card.
 - Create a button to navigate back to the calling component.

Other Requirements:

- Utilize TypeScript.
- Configure routing paths within the routing modules for the two components, designating the "planetList" component as the default component.
- Consider formatting, layout, colors, background, and labeling for evaluation.
- For grading, I will utilize Chrome's Toggle Device Bar set to iPhone 12 in portrait mode.
- Remember, this is a mobile-centric site, so formatting and layout must be optimized accordingly.

Grading Rubric

Items	Marks
Class/Interface and Data	2
Functionalities	3
Routing and Data Sharing	4
Formatting and Presentation	1
Site NOT published to cPanel	-5

Submission:

- Deploy your project to **cPanel**. Deployment can be delayed up to 3 days without penalty.
- Submit to "Assignment 3" Dropbox on SLATE (e-mail submissions will NOT be accepted):
 - **A zipped copy of the "src" folder of your Angular Project Folder.**
 - Include the **cPanel** URL to your published site in the comment section of the Dropbox.
 - Include the password for the username "**prof**" only if your cPanel site is password-protected.
- For assistance with publishing/deploying, refer to the "**Angular-Deployment**" in the References section.
- Assignment can be submitted up to 3 days after the due date with a penalty of 10% per day. After 3 days, the assignment will no longer be accepted.
- Only the final submission will be accepted and graded.
- **Assignment must be completed individually.**