JavaScript Coding assignment

Goal

To develop a client-side JavaScript/HTML5 application that uses REST APIs and can work offline

It must use following: Angular, TypeScript, and Bootstrap (versions may vary).

Use case:

- 1. By using the public <u>Star Wars API</u>, create a two-page application:
 - a. People page (default)
 - b. Planets page
- 2. "People" page (see mockup A) should partially list People (from api) where one can see them all by scrolling down, or, use the search to filter by a character's name.
- 3. By selecting a list item, the app should show an information about that character on the right.
- 4. Planets page (see mockup B) just a simple details page about the planet, with a "Back" button in the header.

What we are looking for:

- Structuring of the code (business logic, UI components, routing, etc.)
- Object Oriented Programming based on classes
- Minifying and bundling the code for production usage
- Testability

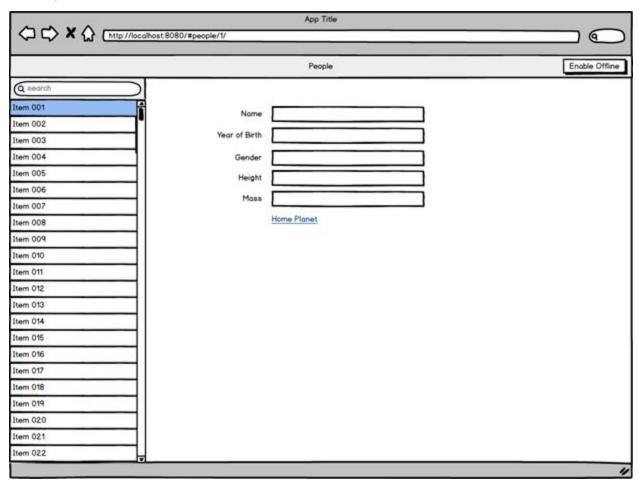
Optional / Bonus points:

- Implement a clickable "Home Planet" link which will navigate the user to the *Planets* page with the character's home planet selected.
- By clicking the browser "Back", the user should return to the previous page.
- App should load while offline. By clicking on a "Enable Offline" button, the app should download all the characters data into the browser local storage. The List view should be fully functional.
- Responsive layout on mobile devices.

Successful completion criteria:

- 1. By opening the app, the user should be navigated to "People" page.
- 2. People Listview should be populated with the first 10 characters.
- 3. By scrolling down the app should be able to load all available characters.
- 4. User should be able to search by character name.
- 5. By clicking on the character list item the app should display his details.
- 6. By clicking on "Home Planet" link, the user should be navigated to the "Planets" page.
- 7. By clicking "Back", the user should be navigated back to the previous page.
- 8. By clicking on "Enable Offline", the app should download all the characters and make them available while offline.
- 9. App UI looks and feels good on both desktop and mobile screen sizes.

Mockup A



Mockup B

