Freshers Onboarding - Evaluation Project

This document details out the spec for the evaluation project, which you need to take up as an ASE, work on and deliver.

Objective

> Build a super-simple calendar appointment app (for a single user)

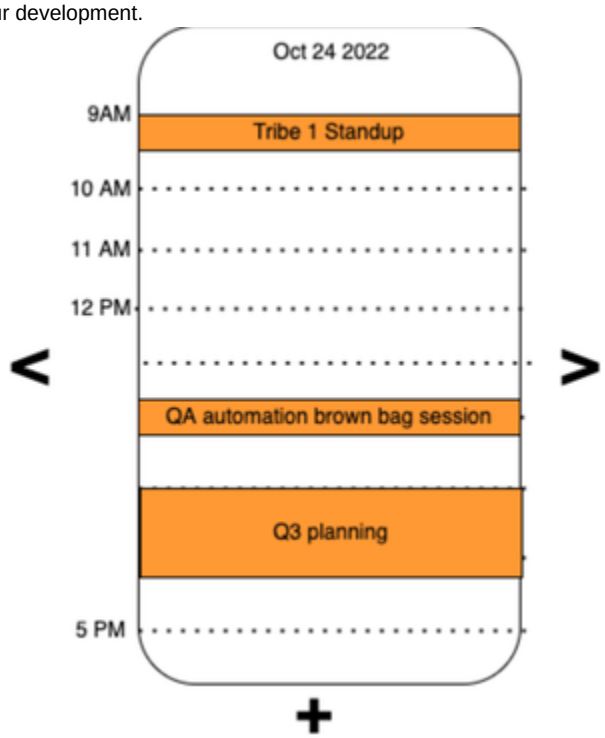
The objective of this project is to get you to learn and build a Web Application, with both a User Interface (UI) and a backend component.

Overall Requirements

1. A UI that can show all the appointments for a single day (See attached pic) and move between days with left and right arrows
2. A "+" button that can attempt to create a new appointment that *avoids conflicts of any kind (no double bookings for any time)*
3. A backend that can support the above (stub C# project will be provided to you):
    a. *List appointments* endpoint that can return the list of appointments for a day
    b. *Create appointment* endpoint that returns
        i. 201 if there are no conflicts and the appointment was created
        ii. 409 if there are conflict
    c. *Delete appointment* endpoint that can delete an existing appointment
4. The backend *need not* store appointments in any database. Everything will be maintained in in-memory data structures (maps, lists, etc). IOW, when the application is terminated, everything will be lost
5. API automation and other unit tests on the backend to ensure that there are no bugs.
6. Source code will be stored in a git repo (each ASE can create an account of GitHub with your disprz email ID). You will commit code to this repo frequently, create PRs, etc. To this end, you will need to fork the below projects from GitHub and develop them further on your side:
    a. UI Project - https://github.com/ashwindisprz/react-app-template
    b. .NET Project - https://github.com/malcomdisprz/DisprzTraining.git

Wireframe for Reference

Below is a wireframe of the UI, providing a simple layout for the various user controls per the requirements. You may use this as a reference for your development.



Evaluation

We will use this project submission to assess your ability to:

- Think about user experience and develop UI that is *usabl*e
- Exercise your knowledge of React in building the UI as a web application
- Learn and develop C# code that will implement the backend API

> We would like see your individuality come out on your work. You should avoid sharing your output or code with any fellow ASEs, so that we can evaluate your work done in the best possible manner.