BT3103 - Final Project Guidelines:

Project:

Develop the working application that you designed in the mid-term.

Steps for the project:

1. Make sure each member of the group understands the project.

2. You have already documented the Requirements and Design in the Midterm. So, the Final term will be an extension to that. It will be focused on 'development and operations.'

3. Develop the application
   a. The application **must** use Vuejs and Firebase. No other stack/database is accepted.
   b. You are free to use any external library for your project.
   c. Apply **SCRUM** Methodology in the development.
      i. Identify your roles and responsibilities (SM/PO/Developers)
      ii. All of you will be developers. However, Scrum Master and Product Owners are **additional roles** members can take.
      iii. Do Daily/Weekly Standups.
      iv. Log the Daily/Weekly Standups in the google sheets.
      v. Also, log product backlogs, sprint backlogs, and details of other sprint meetings during the sprint in google sheets.
   d. Because of time limitations, you need to carry out two sprints. One sprint length will be two weeks. Document the details of both sprints in google sheets.
   e. Maintain a GitHub repository **(We will study Git and Github in Lecture 8)**
      i. Each member of the team has to contribute
      ii. There should be frequent and timely commits in the repo.

4. In mid-terms, you have written the requirements conventionally. Going forward, you can select requirements from the mid-term and refine them and write them as user stories. Only write as many user stories as you think you can develop in a given timeline. But please mention in your executive summary how many user stories were implemented in the final project. For example, you may have thirty user stories, but ten were developed for the application.

Tools /Software:

1. You can use Microsoft or Google tools like word/docs/excel/sheets etc.

Video of Presentations:

1. Demo of your application
   a. Time limit: Not more than 10 minutes per group (This is a hard stop)
   b. No Overtime
   c. The presentation should contain:
      i. Purpose of your application
      ii. Walkthrough of your application
      iii. Highlight the best features of your application
      iv. Any additional interesting feature/earning you want to share if time permits

Submission (In Canvas- Only one per group and a zipped folder):

1. A **PDF file (Maximum 50 pages including all)**. This pdf will be the final report that contains:
   a. Group Number, Members, ID
   b. Executive summary - updated with development details
   c. Paste Requirements and Design from the previous mid-term report. Remember, this report is an extension of the mid-term report. You will implement what you designed in the mid-term.
   d. Google sheets will contain the raw artifacts. They can contain several other pieces of information not needed for the report. Therefore, in your pdf report, please provide details of only one sprint, i.e.Sprint 1 (NOT Sprint 2).
   e. **You will be maintaining your sprint details in excel/google sheets. However, can put relevant screenshots in the report.** "Sprint" detail should have.
      i. Product Backlog - Product Goal
      ii. Sprint Planning - Sprint Backlog
      iii. Sprint Review - Definition of Done
      iv. Sprint Retrospective - What worked/Learnings/Improvement
   f. Link to GitHub repository
      i. **Don't put all the codes once at last,** instead, start the repo as soon as possible and start contributing.
      ii. I will review your contributions to the project.
   g. Link to the deployed application with a **test user id and password**. Deploy at Firebase only **(We will study deployment in Lecture 10)**
   h. Appendix: if any

2. **Excel files** with both Sprint details
3. **Code** in a zipped folder
   a. Code of your application.
   b. Make sure you have all the required packages in the "package.json."
   c. Don't paste node modules
4. **Peer Review**:
   a. I will update you on this later.

Grading Rubrics:

1. Grading will be based on the quality of your submissions and the **video presentation**. A nicely presented video is always great. Your project goals should be clearly described. Your application walkthrough should demo the developed features. You have greatly explained the innovative/interesting part.
2. **Project Management** details (Sprint details, Scrum artifacts, Daily standup records). You should have logged your weekly standups and other details. Sprint artifacts should be clearly described.
3. **Live deployed application**. The application should work in real. It should be deployed on the firebase server.No other servers are allowed.
4. **Application Code**. The code should contain all the relevant information with clear comments as required.
5. **Working application**. Please provide a demo user id and password so that we can test your application. Dont provide me your google account details. Instead, create a demo user with the below details:
   user_id : testuser@test.com
   password: 123456
   We will learn this in lecture 9
6. **Peer Review**. I will ask for reviews later. Please submit that on time.

Deadline:
1. 17th April 2023 — 23:59