Software Engineering IT314

Dhirubhai Ambani
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Instructor: Prof. JayPrakash Lalchandani

Social media app like Instagram, Facebook

Name	ID
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Date: 01-04-2022

Version : 1.0.0

Start Date: 28-02-2022, End Date: 13-05-2022 (Approx. 11 weeks)

1. **Activity list (Estimate time for each activity. Mention probable dates.)**
    a. **Formulation of the Problem**

    There are many users of the website. A separate account for all the users is needed which is end-to-end encrypted. So, first of all, we need to design the authentication page.

    - **Reading relevant background information**
        - For developing the front-end part of the authentication page, we need to learn ReactJS. And for the backend part, we need to learn and know the functioning of MongoDB.

    - **Understanding and document the requirements**
        - Valid UserID: The UserID entered by the user must be a valid.
        - Valid Password: The Password should be valid.

    - **Discussions**
        - We implement a secure app so that chances of the data breach is low.
        - Our app can manage multiple access at a time.

    b. Designing a solution, documentation

    - Keeping our requirements in mind, we decided to use ReactJS for implementing the front-end part of the authentication webpage and used MongoDB.

    c. Relevant learning

    - Refrenced from other Github repositories.
    - We read React JS and MongoDB to know about the functions which need to be called in order to complete the authentication process.

    d. Coding and unit testing

    - Languages: HTML, Javascript
    - Frameworks Used: CSS, React JS
    - Technologies used: MongoDB

    e. Documentation

    f. Testing

- All the team members tested the login page with their user credentials and were successful in doing so.

g. Reviews

- We took reviews from our friends and then improved upon the UI part of the authentication page.

h. Re-work and debugging

2. **Project Plan: For each activity, your estimated start date, end date, and responsible person(s).**

- **Login Page**
  - Estimated Start Date: 25th March 2022
  - Estimated End Date: 28th March 2022
  - Team Member: Kenil, Sanny, Keval

- **User Authentication**
  - Estimated Start Date: 25th March 2022
  - Estimated End Date: 5th April 2022
  - Team Member: Axit, Dhruvil, Bhadrayu

- **Home Page**
  - Estimated Start Date: 25th March 2022
  - Estimated End Date: 5th April 2022
  - Team Member: Sanny, Kenil, Axit

- **Story Page**
  - Estimated Start Date: 6th April 2022
  - Estimated End Date: 20th April 2022
  - Team Member: Bhadrayu, Dhruvil, Keval

- **Post**
  - Estimated Start Date: 6th April 2022
  - Estimated End Date: 20th April 2022
  - Team Member: Sanny, Axit , Kenil

- **Story Page**

- Estimated Start Date: 6th April 2022
- Estimated End Date: 20th April 2022
- Team Member: Bhadrayu, Keval, Kenil

- **Responsive UI**
  - Estimated Start Date: 21st April 2022
  - Estimated End Date: 30th April 2022
  - Team Member: Sanny, Axit, Kenil

3. **Testing Strategy:**
   a. **For each requirement, test transactions, expected results**
   b. **Test cases for the design**
   c. **Test cases & expected results for integration**
      - **Module integration**
      - **User Interface integration**
   d. **Test data, expected results for unit testing**

For each of the above testing activities, the following should be clearly specified.

a. **Schedule**
b. **Responsible person**
c. **Placement of test cases, test data & expected results (folder/files)**