

Software Engineering IT314



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Instructor: Prof. JayPrakash Lalchandani

Social media app like Instagram, Facebook

Name	ID
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TA: Harshal Vora (202111017)

Date: 15-04-2022

Version : 2.0.0

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

- Referenced 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

- To be done later.

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

Schedule:

Start Date: 25th April

End Date: 29th April

Responsible person/s: All team members

Placement of test cases, test data & expected results (folder/files) : Github

b. Test cases for the design

Schedule:

Start Date: 25th April

End Date: 29th April

Responsible person/s: All team members

Placement of test cases, test data & expected results (folder/files) : Github

c. Test cases & expected results for integration

● **Module integration**

Schedule:

Start Date: 1st April

End Date: 7th April

Responsible person/s: All team members

Placement of test cases, test data & expected results (folder/files) :
Github

● **User Interface integration**

Schedule:

Start Date: 8th April

End Date: 20th April

Responsible person/s: All team members

Placement of test cases, test data & expected results (folder/files) :
Github

d. Test data, expected results for unit testing

Schedule:

Start Date: 25th April

End Date: 29th April

Responsible person/s: All team members

Placement of test cases, test data & expected results (folder/files) : Github