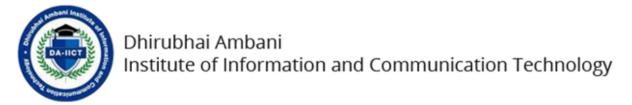
Software Engineering IT314



Instructor: Prof. JayPrakash Lalchandani

Social media app like Instagram, Facebook

Name	ID
Axit Dhola	201901004
Keval Savaliya	201901006
Sanny Dhameliya	201901031
Bhadrayu Bhalodia	201901049
Dhruvil Gorasiya	201901061
Kenil Bhingradiya	201901066

TA: Harshal Vora (202111017)

Date: 01-04-2022

 $\underline{\text{Version}}: 1.0.0$

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)