

## Software Engineering IT314



Dhirubhai Ambani  
Institute of Information and Communication Technology

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:** 15-04-2022

**Version :** 4.0.0

**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.

## **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: 25<sup>th</sup> 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

Status: Tested

Responsible person/s: All team members

#### **b. Test cases for the design**

Schedule:

Start Date: 25th April

End Date: 29th April

Status: Tested

Responsible person/s: All team members

#### **c. Test cases & expected results for integration**

- **Module integration**

Schedule:

Start Date: 1st April

End Date: 7th April

Status: Tested

Responsible person/s: All team members

- **User Interface integration**

Schedule:

Start Date: 8th April

End Date: 20th April

Status: Tested

Responsible person/s: All team members

#### **d. Test data, expected results for unit testing**

Schedule:

Start Date: 25th April

End Date: 29th April

Status: Tested

Responsible person/s: All team members

Link for Website Source Code: <https://github.com/kenil-bhingradiya/socialmedia-using-React>

Link For PPT for presentation :

[https://docs.google.com/presentation/d/1GYX588SjzHsr1kw7p35ehDZ1nT\\_5zd5V/edit?usp=sharing&oid=106152304786201754374&rtpof=true&sd=true](https://docs.google.com/presentation/d/1GYX588SjzHsr1kw7p35ehDZ1nT_5zd5V/edit?usp=sharing&oid=106152304786201754374&rtpof=true&sd=true)