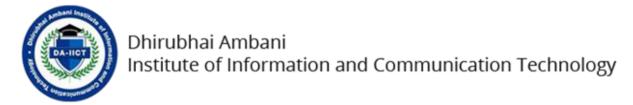
# **Software Engineering IT314**



Instructor: Prof. JayPrakash Lalchandani

# Social media app like Instagram, Facebook

Name	ID
Axit Dhola	201901004
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**TA:** Harshal Vora (202111017)

**Date:** 15-04-2022

**<u>Version</u>** : 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

- 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, JavascriptFrameworks 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: <a href="https://github.com/kenil-bhingradiya/socialmedia-using-React">https://github.com/kenil-bhingradiya/socialmedia-using-React</a>

# Link For PPT for presentation :

https://docs.google.com/presentation/d/1GYX588SjzHsr1kw7p35ehDZ1nT\_5zd5V/edit?usp=sharing&ouid=106152304786201754374&rtpof=true&sd=true