Dhirubhai Ambani
Institute of Information and Communication Technology

IT314 : SOFTWARE ENGINEERING

PROFESSOR - DR. JAYPRAKASH LALCHANDANI

InstaHUB – We connect the world

Reporting TA – Harshal

Group Number : 24

Kunjkumar Modi(Leader)	201901126
Nevilkumar Dalsania	201901013
Meet Prajapati	201901025
Heli Dhimmar	201901106
Dwij Bhanderi	201901168
Nilay Ghodasara	201901169

Version – 2

Start date : 28-02-2022

End date : 13-05-2022

Background :

Instagram, Facebook are today's giant that is famous all over the world. Its enormous popularity proves that the demand for photo-sharing apps is increasing. Today, Facebook and Instagram are considered an effective marketing tool. This kind of success is what attracts entrepreneurs to the idea of creating a photo-sharing app like Instagram, Facebook.

The user experience with your application starts with an account authorization. Make a social network app with various register options: via an email account, phone number, or social media page name. Also, it is useful to add the option of resetting via the email, phone or a user social media account.

The user data is stored in a database. If a user registers using a phone number, the mobile application should have access to the user's SMS. If a user logs in via social media account, the operation proceeds with protocols like Authentication.

One of the essentials to develop a social media app like Instagram is adding a feature that lets users upload photos and videos.

Objectives :

Social Media plays a crucial role in the creation as well as the exchange of content. However, apart from this, the Social Media platform aims to serve and fulfil its core objectives along with the objectives of the business or the brand using social media as a tool to market their brand.

The First and the Foremost aim of Social Media like any other media tool is to Educate Society. One of the most important objectives of any media tool is to take on the initiative to educate our society as a whole, to build our society up, and spread awareness.

This objective is not just applicable to mainstream media but also applies to Social Media. It rather should take more priority as it is such a tool which connects everyone in today's time, all around the globe, just through the click of a button; easily accessible through the internet, websites, and application designed for just the same.

You can find and follow people based on the kinds of images that inspire them, and if they like yours, they'll follow you back. The simple mechanisms of liking and commenting provide great fun and feedback.

Functionalities

- Filters : By filtering, user can add filter to image
- Image Post : User can add image post with
- Video posts : User can direct post video via webapp
- Reels : User can edit videos with this function, this feature will give more popularity to user's fanbase
- Feed : This feature will show similar posts to his last interacted account and past 1 months likes of posts and reels
- Stories : User can put image or video from his device
- Stories Highlights : User can add stories in their profile section

- Live : User can go live with his web app and interact with their fanbase.
- IGTV : User can add video whose length is more than 10 minutes

9. Project Deliverables

a) Milestone

Meeting every weekend : Approximate 1 hour

Milestone meets after every 2 weeks

Milestone 1 : SRS and design

Milestone 2 : coding and implementation

Milestone 3 : Testing and release

Step wise implementation of functionalities

- Website Design
- Which User Functionalities to add
- Authorization & Authentication
- Implementing functionalities
- Testing and release stage

b) List of final deliverables

- Complete documentation (internal included) :

  Must be prepared in first 2 weeks

  Look SRS mentioned in GitHub repository.

  https://github.com/kunjthemodi/SE_Group24_InstaHUB/blob/main/SRS.pdf

- Report for audit : Audit should be after every milestone
- User guide :

  Deployment - This must be done within 6 weeks of projects

  User guide – This must be released after project testing done

10.Estimated Total Time

Approximated 150 hours

- Preparing SRS : 10 hours
- SRS verification : 3 hours
- Change modifications : 2 hours
- Data flow diagrams : 10 hours
- Design & formatting : 40 hours
- Front-end : 30 hours
- Coding and implementation : 30 hours
- Testing : 20 hours

11.

a) H/W requirements

The whole system run over internet. Without internet connection the system will not work. User must have his email-ID for login purpose/account creation.

b) S/W requirements

The system in in server so there will be some scripting languages like HTML, CSS, JavaScript, etc. Database is also required to store the data.

12.Technology/Architecture

For the Frontend part we will be using ReactJS and for backend - NodeJS and ExpressJS. For storing the data Database – Mongodb. For storing purpose of Image, we are using cloudinary.