Dhirubhai Ambani
Institute of Information and Communication Technology

IT314 : SOFTWARE ENGINEERING

PROFESSOR - DR. JAYPRAKASH LALCHANDANI

Project Management Document – 3

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

Activity list

(a) Formulation of the problem

      1) Reading relevant background information
- 2 hours (21/03/2022)

      2) Understanding and documenting the requirements
- 4 hours(21/03/2022 to 25/03/2022)

      3) Discussions
- 2 hours (25/03/2022)

(b) Designing a solution, documentation

- 15 hours

(c) Relevant learning

- 20 hour(Mern Stack and MongoDB)

(d) Coding and unit testing

- 30 hours

(e) Testing

- 15 hour

(f) Reviews

- 5 hour

(g) Re-work and de-bugging

- 10 hour

2. Project Plan: For each activity, your estimated start date, end date, responsible person(s).

TASK	START DATE	END DATE
Preparing SRS	20/03/2022	25/03/2022
SRS verification	25/03/2022	26/03/2022
Change modifications	26/03/2022	27/03/2022
Data flow diagrams	27/03/2022	27/03/2022
Learning Skills/Tools	25/03/2022	01/04/2022
Design & formatting	29/03/2022	01/04/2022
Front-end	01/04/2022	08/04/2022
Coding and implementation	01/04/2022	23/04/2022
Testing and modifications	23/04/2022	30/04/2022
Final launch	13/04/2022	13/04/2022

3. Testing Strategy:

Types of Testing to be needed to done :

- **SaaS Testing:** Software as a service model(SaaS). InstaHUB follow the Saas model and are requires to be validated for proper functioning using SaaS testing.
- **Attractiveness and User friendlyness :** We have to check our app is user-friendly or not. If its complex, then user will be not able to find fun on InstaHUB.
- **Content Management testing**: Content management testing validate that the content is appropriate for the audience. New content is posted every now and then, and hence, content management testing becomes an on-going task and is very

important to avoid any content related issues.

- **Allocation of Resources for Testing:** Checking our Database and server is proper working or not.
- **Test Case Document:** We need to enter manually inputs and check weather user is visible to other or not.
- **Identifying and Removing the Bugs:** While executing the test cases, all the bugs that are detected have to be reported to the development team, for removing them.
- **Documentation :** Document all the bugs that you have found. This documentation can help you as a reference for future testing.
- **Test Completion:** After bug's removal, the application has to be retested to check if the bugs are properly removed and to check that the change in code has not affected the present functionalities. If in any round of testing, the code is identified as bug-free, the testing is considered to be completed.

(c) Test cases & expected results for integration

(a) Schedule

- 05/04/2022 : Home page security testing
- 09/04/2022 : Linking frontend to backend
- 23/04/2022 : Image post + Video Post + Security issues
- 30/04/2022 : Final testing(User is visible to other or not)

(b) Responsible person

1) Nevil Dalsania : Linking frontend to backend
2) Nilay Ghodasara : Image post section
3) Kunj Modi : Sending friend request stage and giving access to view profile
4) Dwij Bhanderi : Managing database
5) Meet : Video/Reels section
6) Heli : Authentication/security section

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

- First placement will be done after linking frontend and backend. Further implementation of image post section.
- After this placement user can delete the image.

- Next will be after implementing follow /friend request to other friend.(connecting two friend and giving access to view profile)
- Next test will be done after implementing authatication/security
- Final launch of product by 13 May 2022

4. Any other special activities and an appropriate breakup with estimation, as recommended by the standard fixed.

- Backup time/ Extra Time of one week before project completion
- If project is somehow delayed by 1 week then we have no issues