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1. <u>Introduction</u>

I-messenger is a type of unique web application. I-messenger is an instant messaging web application.

Project name : **i-messenger**

1.1. Background :

I-messenger is used to send message and exchange photos, upload video, images, audio and other files. Like document file, pdf, zip files etc.

- The user can sign in first, then login and take functionalities of all the features of this web app

1.2. Objective :

There are following objective in this system

- You can send information easily.
- You can search friends easily.
- Upload story easily.
- Show all user stories.
- You can on camera and upload your images.
- Upload and download document easily.
- This system is also sport audio call.

1.3. Purpose & Scope :

The system will be mainly design for small a social media in provide services users..

- You can represent your expression or event using story.
- It also use to change your image.
- This web application is support to sending data, or file in any extension. Like .docx, .pdf, .jpg, .png, .mp3, .mp4, .zip file etc.)
- This web application is also supported audio call
- This web application is easy to search in other user and send messages.

2. <u>Requirement & Analysis</u>

Requirements Analysis is the process of defining the expectations of the users for a website that is to be built or modified.

2.1. Problem Definition

A i-messenger is a one type of web application. This system is use to sending a data, to send a personal document, to create audio call and receive a audio call. There are many problems in other system. Like high network speed, low response in browser.

✚ Network speed

- Other web applications require high network speeds while these web applications can work easily even if they have low network.
- This system is also work in smoothly in browser.

✚ Performance

- Performance of other web apps is low in browsers when performance of these web applications is good in any browser.

2.2. Requirement Specification

There are two type of requirement specification.

✚ Functional requirement

- **User**

    You can sign and login this system whenever you authenticated person you can perform all operation like update profile, chatting, audio call etc.

- **Chat**

    This feature can be used for chatting. Use to view messages sent by other users and to send messages to other users.

- **Story**

    This feature can be used for story. You can represent your expression or event using story. You can easily upload your story and show all users story.

- **Add user**

    You can add many friends in our system. You can register in multiple accounts in this system.

- **Audio call**

    This web application also supports audio calls. You can take the audio call feature only if the side network in this system is started.

- **Create Group**

    This functionality is use to create group to join multiple user. Group admin is update group data, delete group, add other user, remove user.

Non – functional requirement
- **Security**

    This web application is provide high security.

- **Performance**

    Performance of other web apps is low in browsers when performance of these web applications is good in any browser.

2.3. Planning & Scheduling

Task name	Days
System analysis	20
System designing	20
Coding	30
Testing	10
Documentation	10

Planning of work.
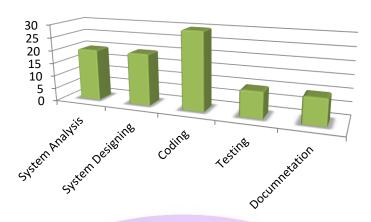
2.4. Software and Hardware Requirement

Software and hardware needed for the development and implementation of our project. There are following hardware us required for this system.

Hardware Requirement

There are following software is required for the system.

- 2 GB RAM
- 5 GB ROM
- Internet connection
- Web camera

Software Requirement

There are following software is required for the system.

- PHP (Hypertext Pre-Processor)
- Java Script
- CSS (Cascading Style Sheets)
- XAMPP Server
- MySQL
- Notepad
- Internet explorer, Mozilla Firefox, Goole Chrome, Opera etc.

2.5. Preliminary Production Description

- Here, this web application is one type of the user.
- Whenever user can register your account and after login this web application you can perform all functionalities.

Features/ Functionality:

- Create group.
- Sending message.
- View and upload story.
- Audio call.
- Update profile.
- Upload document file, audio, images etc.
- Search user & add user.

3. Reference

⇨ https://www.w3schools.com/

⇨ https://www.youtube.com/

⇨ http://www.phpform.org/

⇨ https://stackoverflow.com/

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