Google Meet

1. Aim:

Describing and creating a software model like Google Meet.

2. Problem Statement/Purpose:

To understand the flow of objects and tasks using software diagrams.

3. Scope:

The scope of this project is to allow users to communicate, live stream up to 100000 viewers within a huge domain. Users can communicate with each other using audio and video. Meetings can be recorded and used further. This makes it easier for people to meet online and conduct official/unofficial meetings.

4. Limitations:

a. Only 100 people can join a meeting at a time.

b. Background drops are not usually of high qualities.

c. Cannot handle load of audience reduced the video and audio quality at times

5. System Functions:

Google meet is an online app for businesses that connects people to the information that they need by providing an online meeting platform. It gives users access to tools focused around communication services like voice and video calls, persistent chat channels in a workspace, and integrations with other services along.

1. Registration:

Signup: For new users, there will be a signup module is built that contains a name, age, captcha, and password to create an account in the application. There will be a button below this form("Sign Up") after the user clicks the button. The data of the user will be stored in the database.

Input: Sign-in information

Output: if correct then redirected to the login page, if wrong then an error message.

Login: For existing users, there will be a login module is built that contains an email id and password along with the feature to show the password. There will be a button below this form("Login") after the user clicks the button. If the user has been provided the correct

fields, it will be verified with the database, when verified the user will login into his account otherwise there will be an error message displayed, conveying the error while logging in.

Input: login credentials

Output: if correct then welcome page, if wrong then an error message.

2. Schedule/Join: The main purpose of this google meet is to create/join meetings.

Create   Meeting(Only for the creator of a meeting): The create meeting will take to another screen where it has a link to join the meeting,

Input: Create a meeting

Output: meeting link

Join Meeting: A Meeting can be joined by an invite sent by a member.

Input: Meeting link

Output: connected to the meeting

Leave Meeting: A Meeting can be left by a member.

Input: Leave meeting button

Output: A thank you page

4. Chat/Question: The chat module is used in the meeting, it has options to send personal messages /questions/ to the members of the particular meeting

Input: A text message or a question

Output: The question is displayed on the screen