

## **WorkBridge: High Level Design**

Team: **WorkBridge Development Team**

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### **1. System Components Overview**

The system is composed of the following key components:

#### **1. User Service**

- Handles user login, registration.
- Manages user roles and permissions.

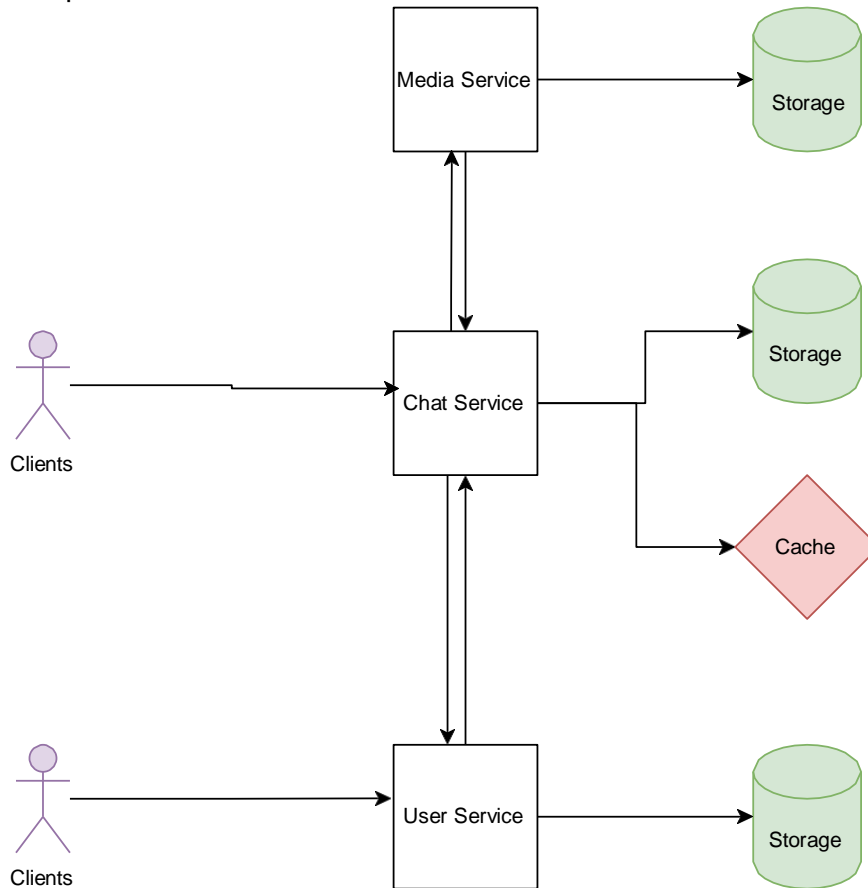
#### **2. Chat Service (Real-time Messaging)**

- Supports private and group chats.

#### **3. Media Service**

- Manages profile images, file uploads, and post attachments.

This is a high-level overview of the main components that your system will be composed:



## 2. User Flow & Use Cases

### 1. User Authentication

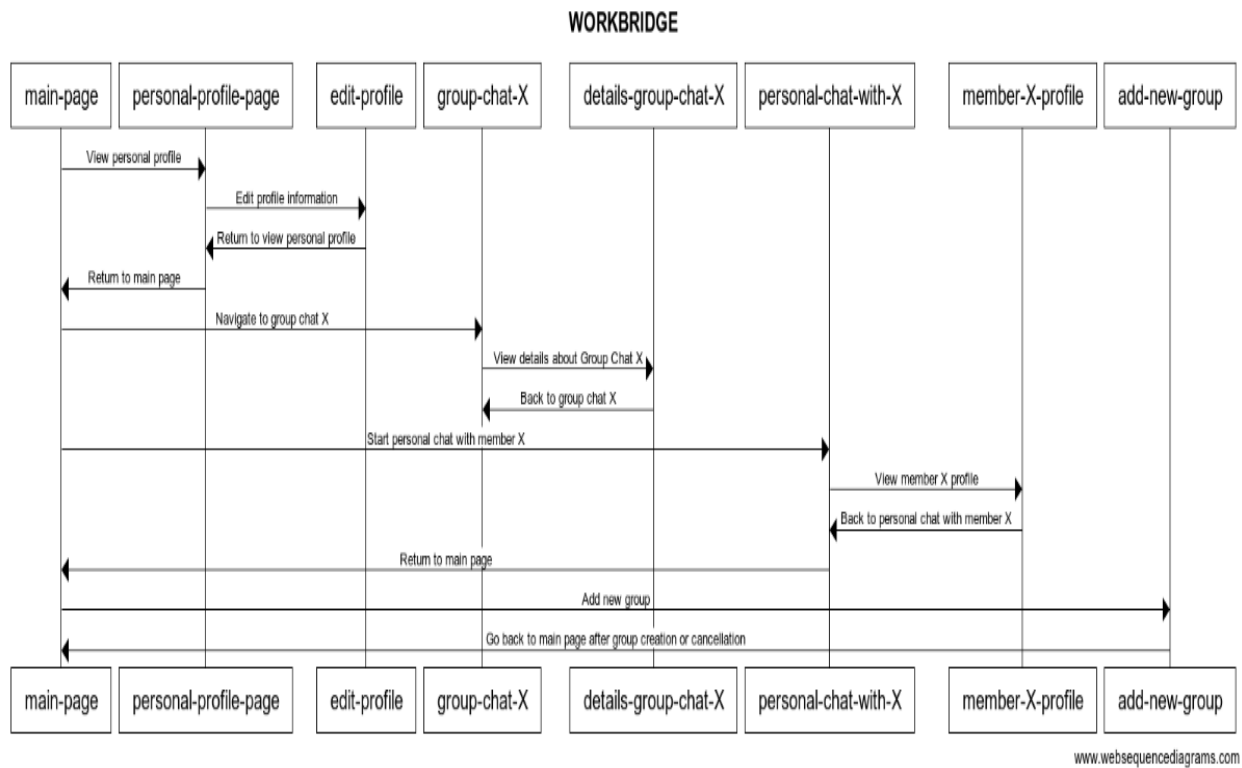
- Users log in ,Upon login, they can access their personalized settings.

1. Endpoint: /register Method: POST – register.
2. Endpoint: /login Method: POST – login.
3. Endpoint: /settings Method: GET – get users settings.
4. Endpoint: /settings Method: PUT – update user settings.

### 2. Chat Messaging

- Users can initiate private or group chats.

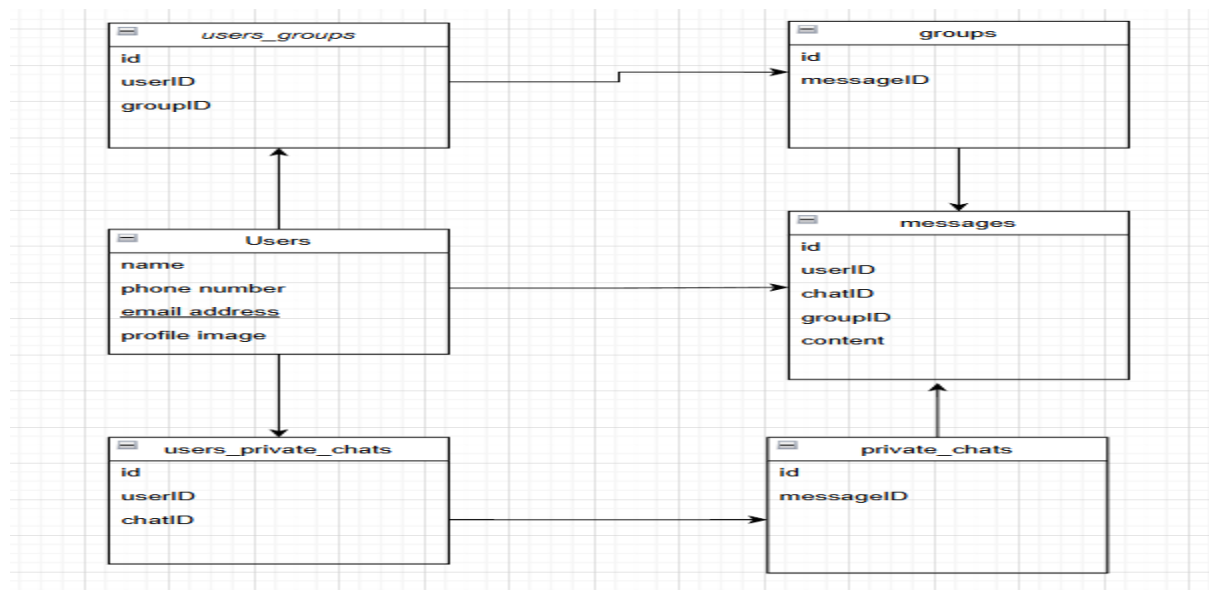
1. Endpoint: /home Method: GET – retrieve channels.
2. Endpoint: /chats/{chat\_id} Method: GET – retrieve chat content.
3. Endpoint: /chats/{chat\_id} Method: POST – send message.
4. Endpoint: /chats/create Method: POST – create new group.



### 3. Frontend Technology

- The frontend is built using **React.js**

**Data Model:**

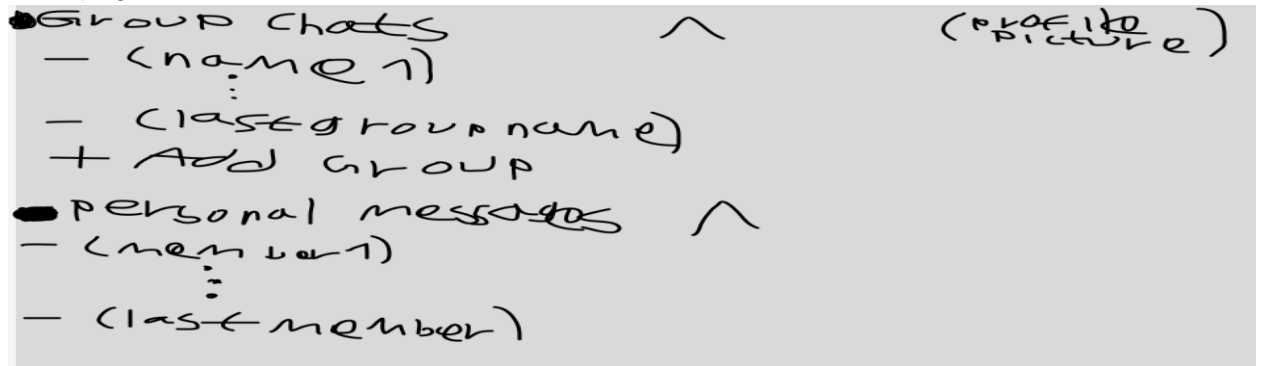


#### 4. Mockups for Main Pages

##### 1. Dashboard (Homepage)

- Displays the organizational feed with the latest updates.
- Provides quick access to chat, notifications, and profile settings.

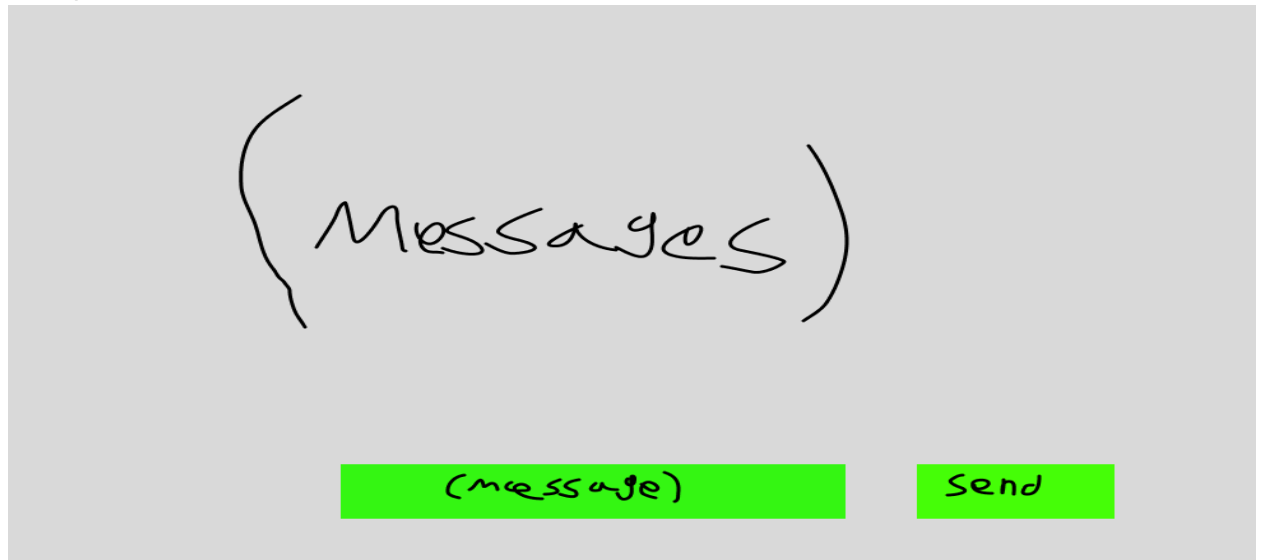
Main page screen:



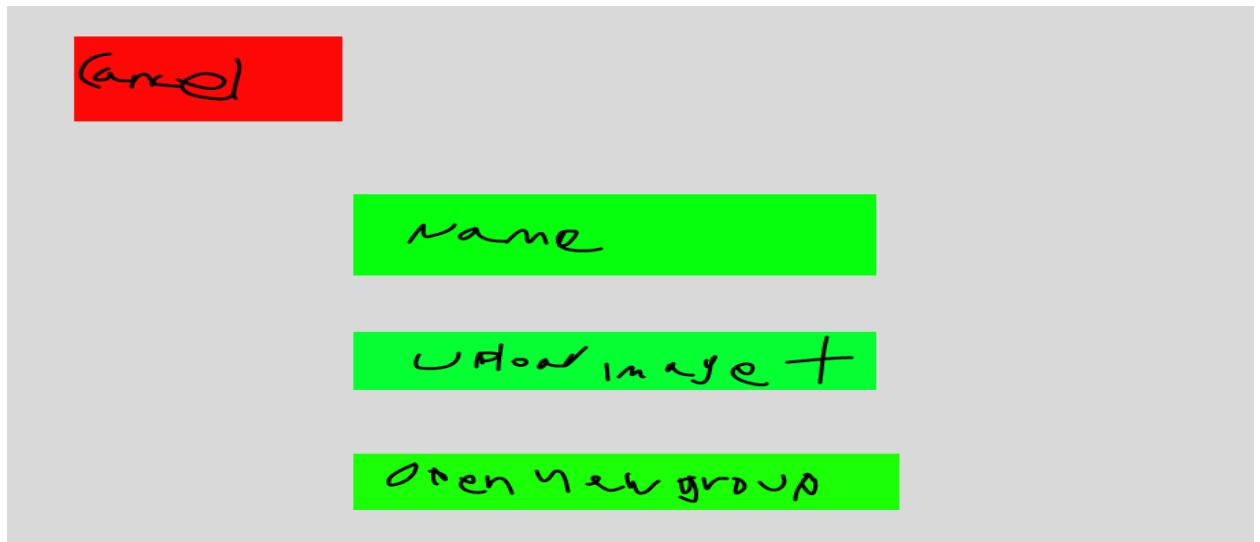
##### 2. Group Chat

- Real-time messaging with file sharing.

Group chat screen:



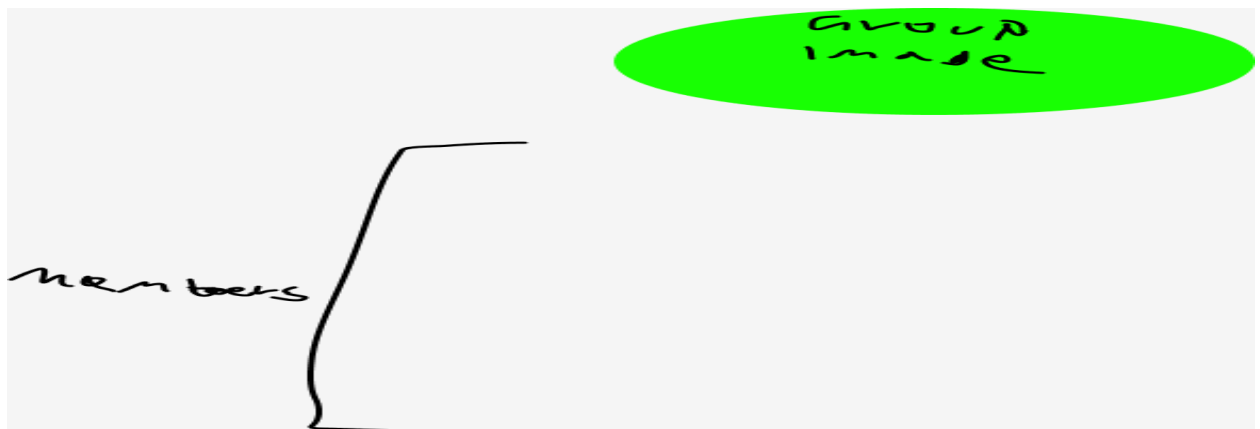
Add new group screen:



### 3. Chat Details

- Displays group details

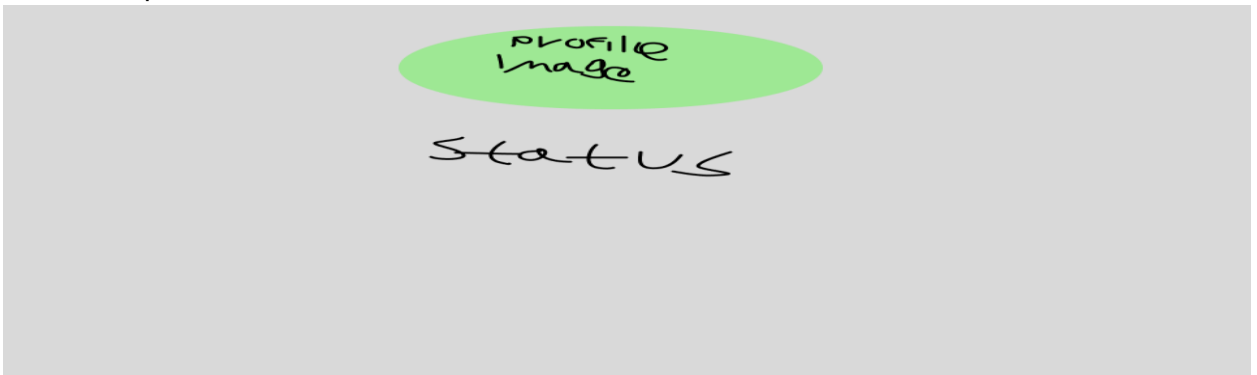
Chat details screen:



### 4. User Profile Page

- Displays user's profile, name, role, and activity history.

Member-x-profile screen:



Personal profile page screen:

