MAD & PWA LAB

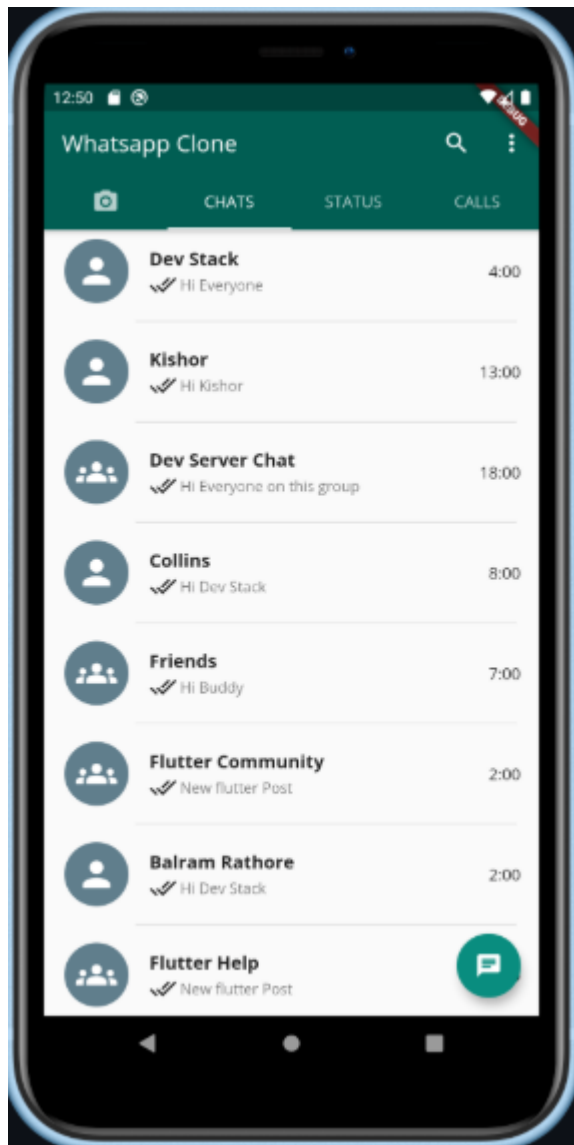**Name: Niraj Kothawade**   **Class:** D15A   **Roll no:24**

Aim: Selecting features for application development, the features should comprise of:

1. Common widgets
2. Should include icons, images, charts etc.
3. Should have an interactive Form
4. Should apply navigation, routing and gestures
5. Should connect with FireBase database

Screen Shot	Features

	Landing Page
	
	Features:
	
	1. **Sign in using Email Address**
	   o Use Firebase Authentication for user login and registration.
	   o Allow users to sign up with their email and password.
	
	2. **Firebase Integration:**
	   o Store user details (Username, email, and password) in Firebase.
	
	Screen Components:
	
	• Input fields for email and password.
	
	• Login and Sign-up buttons.
	
	• Firebase setup for real-time authentication.

	User Homepage
	
	Features:
	
	1. **Navigation Buttons:**
	   o Navigation to chats, contacts, settings, and status sections.
	
	2. **Icons for Notifications, Profile, and Search:**
	   o Top bar with icons for search, notifications, and user profile.
	
	3. **Display of Chat Categories:**
	   o Separate chats for individuals and groups.
	
	4. **Start Chat Button:**
	   o Button to initiate a new chat.

Chat Page

Features:

1. **Display Messages in Real-Time:**
   - Use Firebase Realtime Database or Firestore to sync messages instantly.
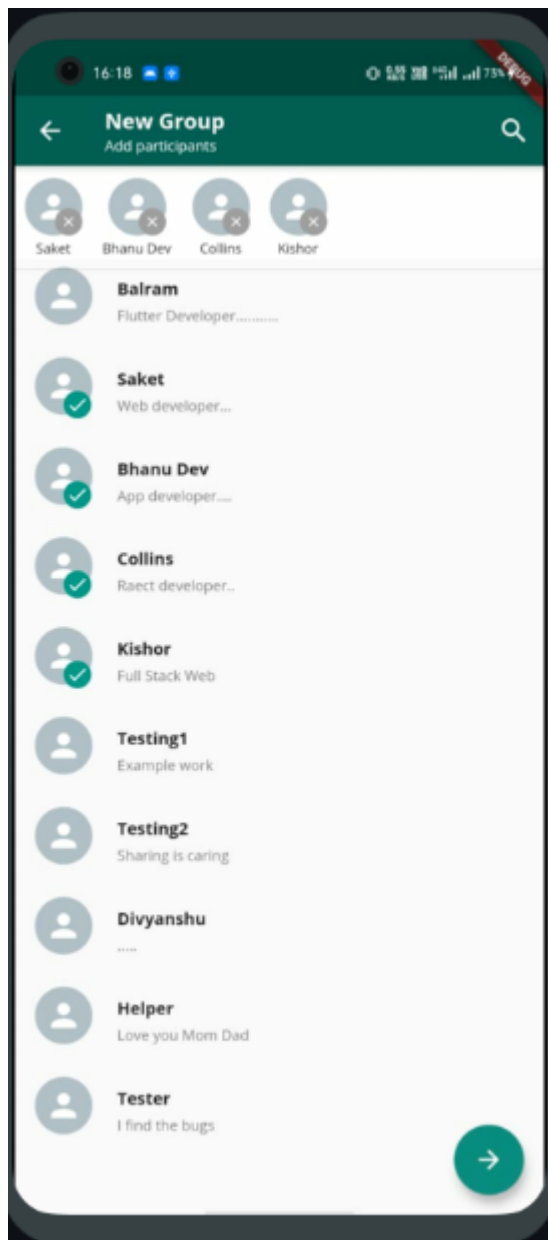
2. **Send Multimedia (Images, Icons):**
   - Allow users to send images, emojis, and text messages.

3. **Gestures:**
   - Swipe left to delete or archive a chat.
   - Long press to select multiple messages.

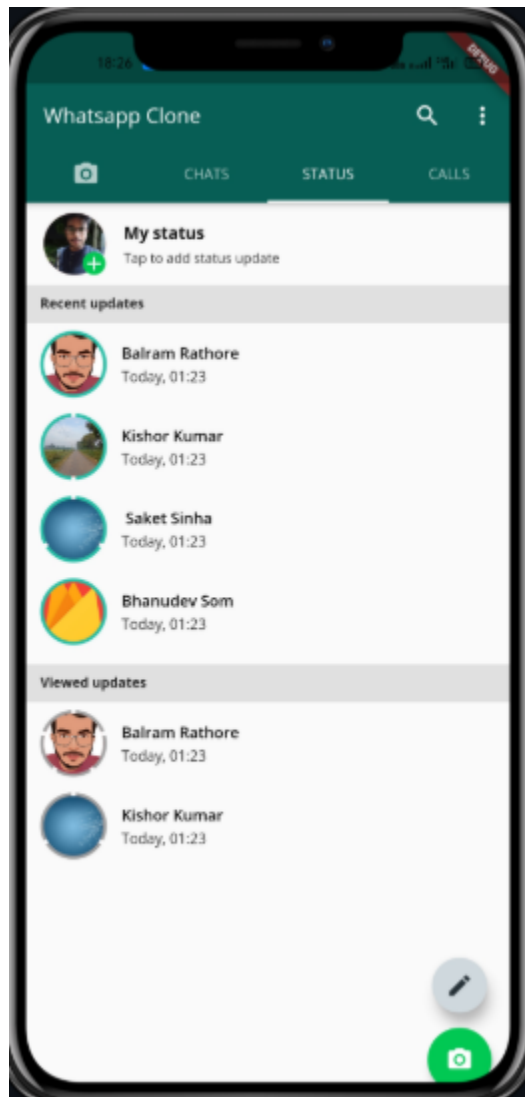4. **Typing Indicator:**
   - Show when the other user is typing.

Create Group

Features:

1. **Create Groups:**
   - Add group name, description, and select members.

Status Page

Features:

1. **Display User Status:**

o Show the user's own status at the top of the page, similar to WhatsApp.

o Include the ability to add a new status (text, image, or video).

2. **Display Contact Status Updates**

3. List the statuses of other users in chronological order.

4. Categorize status updates into "Recent Updates" and "Viewed Updates."