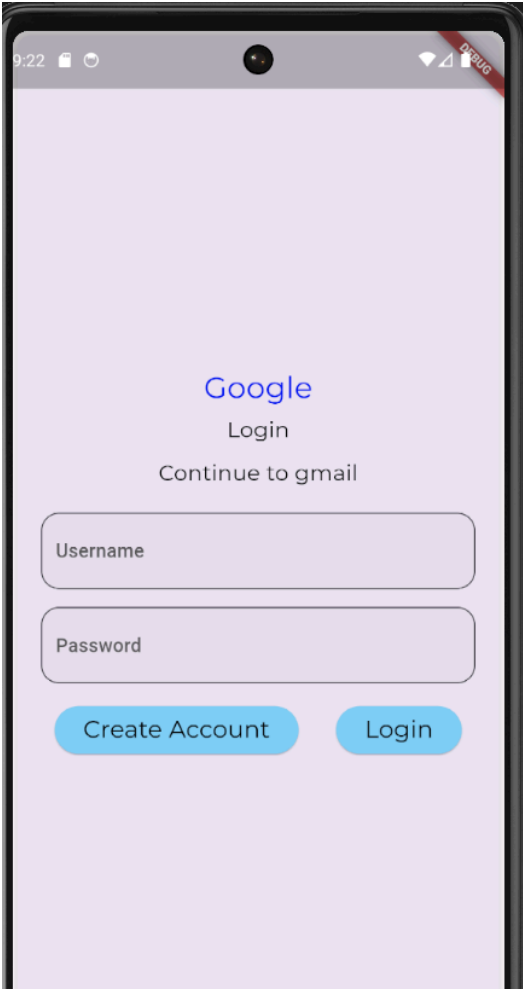# MAD and PWA Lab

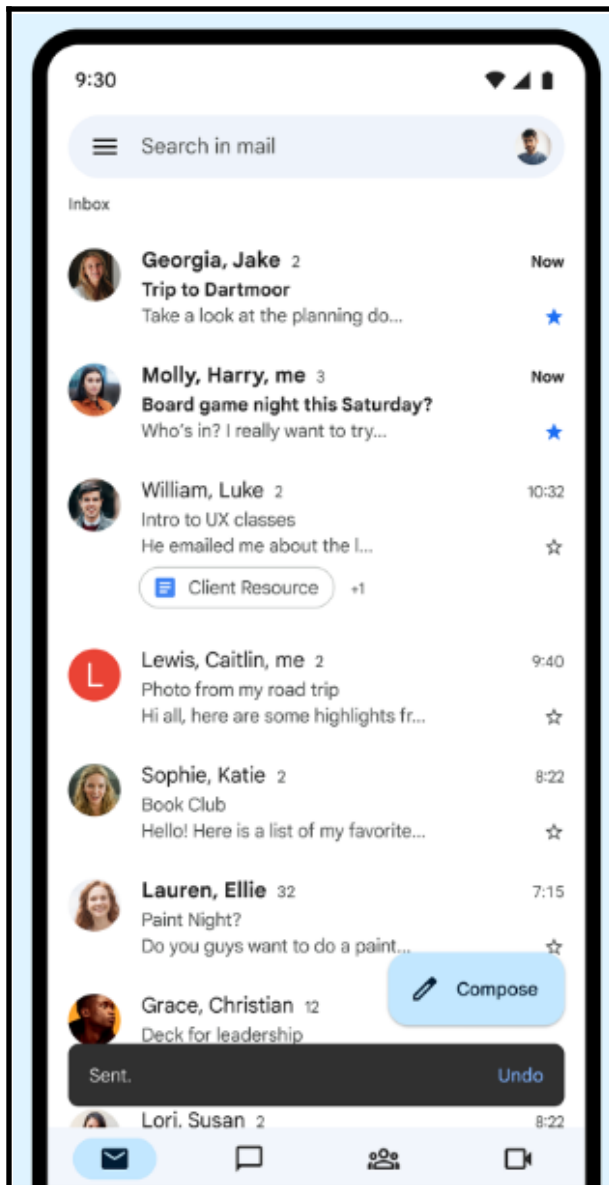**Name: ABHINAYA DANDA** **Class: D15A** **Roll no:12**

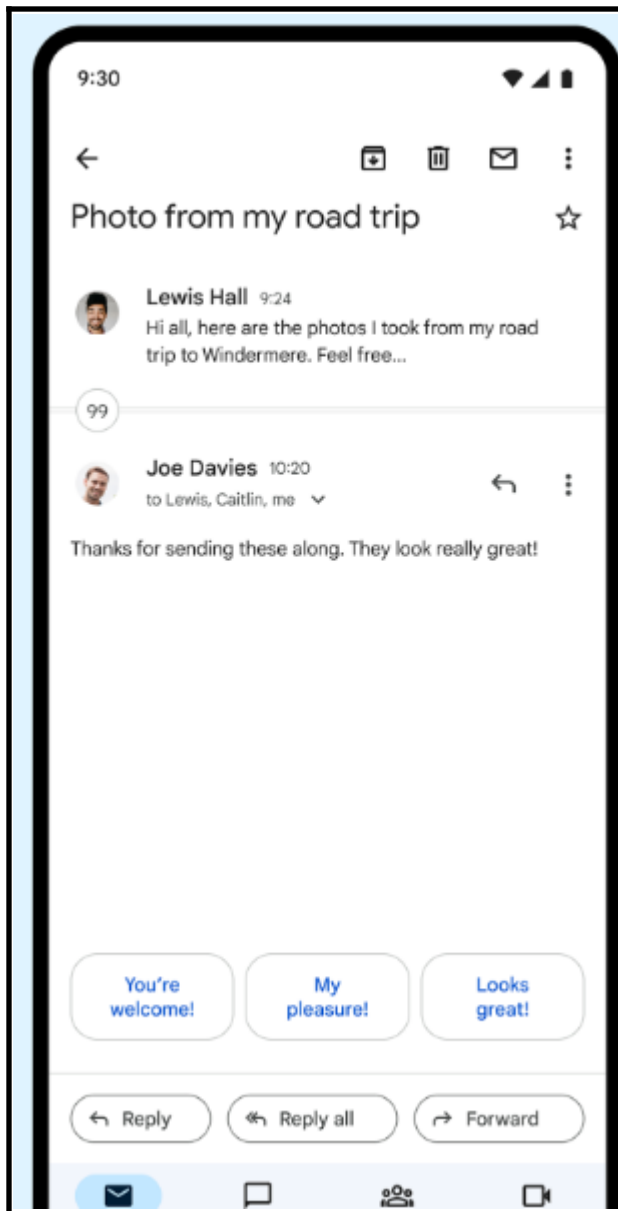**Aim:** Selecting features for application development, the features should comprise of:
1. Common widgets
2. Should include icons, images, charts etc.
3. Should have an interactive Form
4. Should apply navigation, routing and gestures
5. Should connect with FireBase database

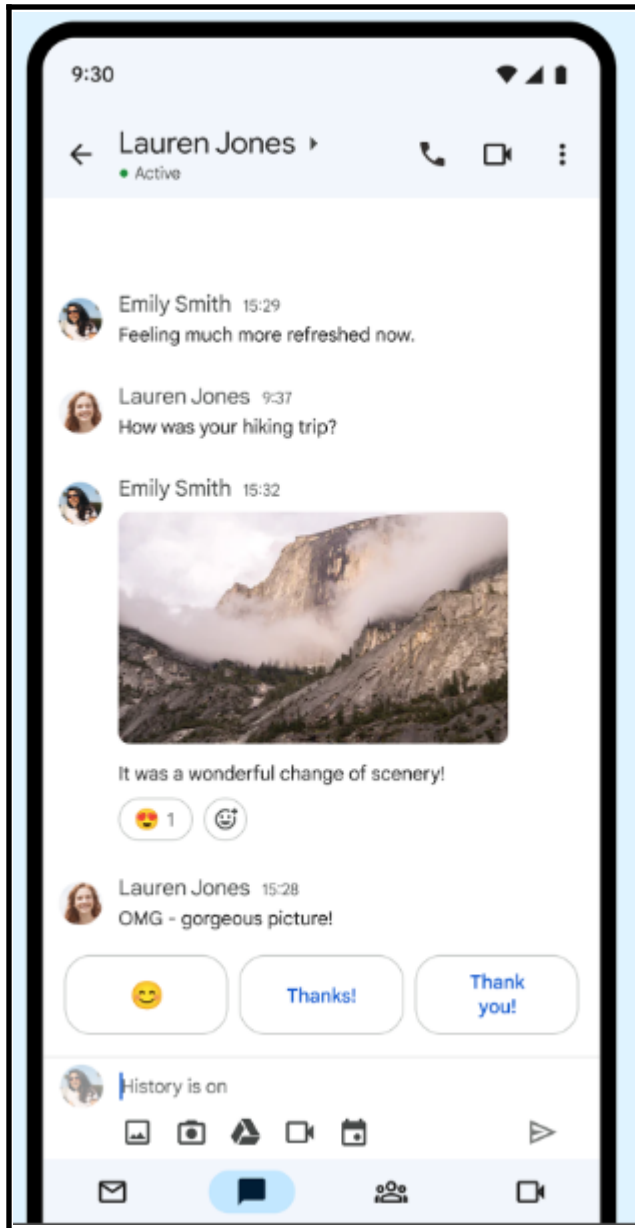| Screen-shot	Features
	Login/Sign Up page ● **Login page:** **Login Using username,password** ● **Authentication:** **Firebase authentication** ● **Create Account for new users**

Features:

- **View all mails received to a user**

- **View the mail from inbox**

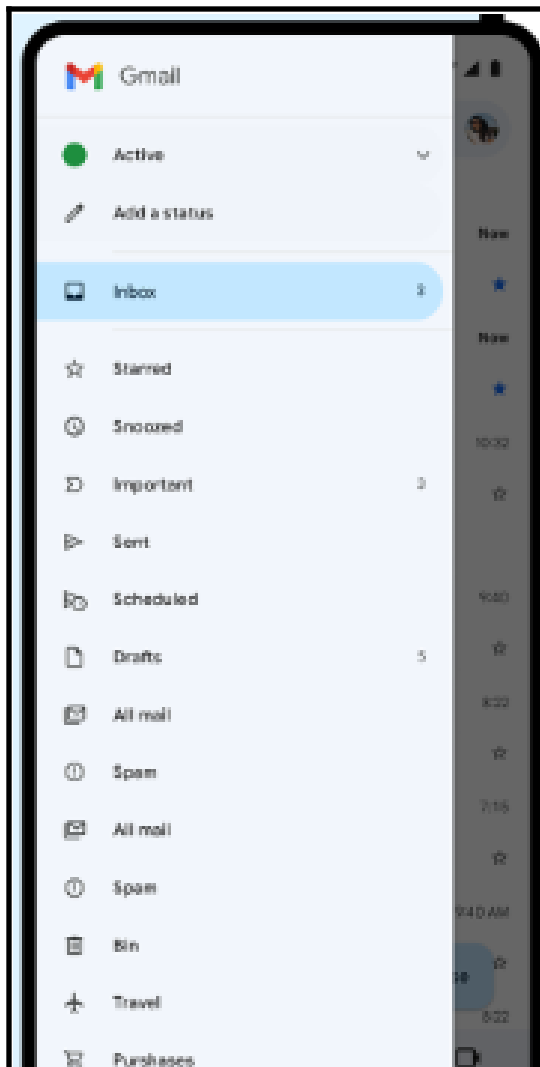- **Search particular mail using keyword search**

- **Star important mails**

Features:

- **User can write mail i.e compose mail**

- **Send icon,text field for mailing**
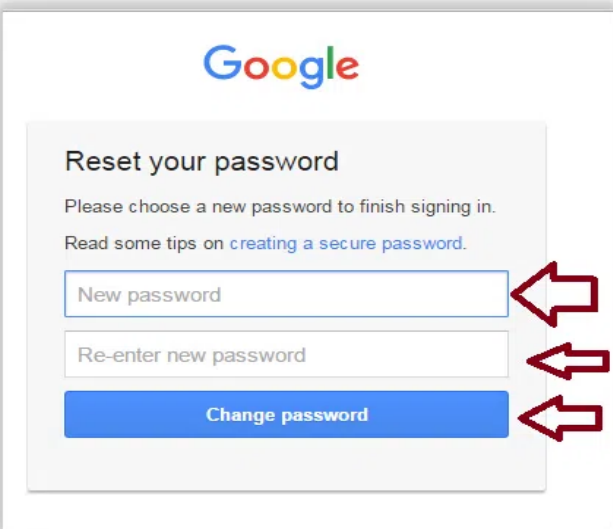
- **Receive mail**

Features:

- **Write mail with images included**

- **Firestore (Storage Bucket for storing and retrieving images**

Sidebar:

- **Navigation to different pages**

- **Including icons for each page mentioned in sidebar**

Profile Page :

- **Can view user's profile**

- **Can change password,and reset it**

Firebase Database:

User Authentication(FirebaseAuth):
- Username
- Password (hashed)

Emails(Firebase Real-time Database):
- Sender's ID
- Receiver's ID
- Subject
- Body
- Timestamp
- Attachment

Firestore:
- Storing Profile image
- Storing Attachments