MATRIMONY APPLICATION REQUIREMENT

Week	Submission Work
16/01/2025 **to** 25/01/2025	• Database design with dummy data using SQLite Studio. • Design dashboard screen with four buttons.
26/01/2025 **to** 01/02/2025	• Design and validate Add User Screen. • Insert User in database using Map/Model class.
02/02/2025 **to** 08/02/2025	• Design user list screen with basic data and search bar, sorting icons with data from database. • Do search, sorting, favorite/unfavorite operation on it.
09/02/2025 **to** 15/02/2025	• Design favorite user list and display only favorite users from database. • Display user detail in separate new screen.
16/02/2025 **to** 22/02/2025	• Edit user and refresh user list. • Delete user from database and local list and refresh user list.
23/02/2025 **to** 01/03/2025	• Implement insert and list operation using api (MockApi). • Implement update and delete operation using api (MockApi).

Introduction:

This application can be used by a single person/matrimonial service company for matrimonial business to maintain records in an electronic format. The owner of the matrimonial service company will use this application to replace pen & paper with this flutter mobile application.
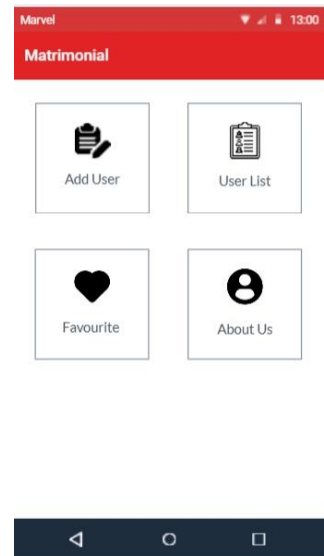
Application should contain basic facilities as mentioned below more features are allowed.

1. Dashboard Screen
2. Add/Edit User
3. User List
4. Favorite User
5. Delete User
6. Search User
7. User Detail
8. About Us

1. Dashboard Screen:

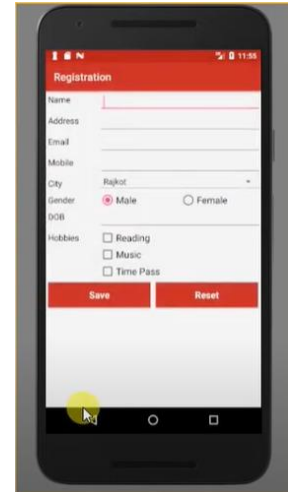Dashboard screen only contains 4 buttons for navigation in to the screens

- Add User
- User List
- Favorite User
- About Us

2. Add User

Add/Edit screen contains below elements

- Full Name
- Email Address
- Mobile Number
- Date of Birth
- City
- Gender
- Hobbies
- Password
- Confirm Password

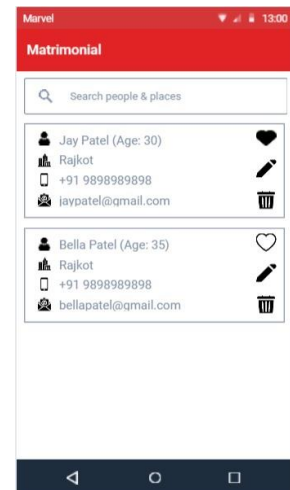- Add/Edit User screen should also validate with below criteria.

Field	Acceptance Criteria	Validation Rules
Full Name	- The First/Last Name field must allow alphabets only. - It must contain a minimum of 3 characters and a maximum of 50 characters. - Spaces and special characters like hyphen (-) or apostrophe (') are allowed.	- Must be non-empty. - Must match the regex: ^[a-zA-Z\s'-]{3,50}$. - Show an error message if invalid, e.g., "Enter a valid full name (3-50 characters, alphabets only)". - Highlight the specific field with an error message. - Prevent form submission until all errors are resolved.

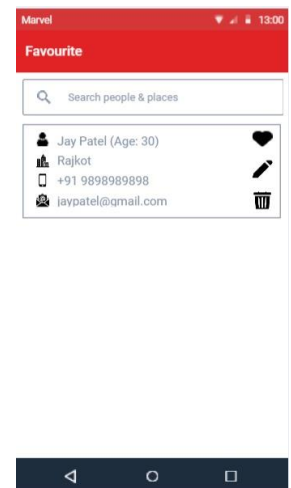|		
Email Address	- The Email Address field must follow the standard email format (e.g., example@example.com). - It must be unique and not previously registered	- Must be non-empty. - Must match the regex: ^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$. - Show an error message if invalid, e.g., "Enter a valid email address." - Check for uniqueness during submission(Optional). - Highlight the specific field with an error message. - Prevent form submission until all errors are resolved.
Mobile Number	- The Mobile Number field must accept 10-digit numbers only. - It must allow country codes optionally (e.g., +91 for India). - The number must not already be registered.	- Must be non-empty. - Must match the regex: ^\+?[0-9]{10,15}$. - Show an error message if invalid, e.g., "Enter a valid 10-digit mobile number." - Check for uniqueness during submission(Optional). - Highlight the specific field with an error message. - Prevent form submission until all errors are resolved.
Date of Birth	- The Date of Birth must be in DD/MM/YYYY format. - Users must be at least 18 years old to register. - The maximum age allowed is 80 years.	- Must be non-empty. - Must match the regex: ^(0[1-9]|[12][0-9]|3[01])/(0[1-9]|1[0-2])/\d{4}$. - Validate age based on the current date. - Show an error message if invalid, e.g., "You must be at least 18 years old to register." - Highlight the specific field with an error message. - Prevent form submission until all errors are resolved.
Gender	- The Gender field must allow selection of one option from predefined values (e.g., Male, Female, Other). - Selection is mandatory.	- Must be non-empty. - Must match predefined options. - Show an error message if invalid, e.g., "Please select your gender." - Highlight the specific field with an error message. - Prevent form submission until all errors are resolved.

3. User List

User Item Contains below elements

- User Name
- City
- Email
- Mobile Number
- Date of Birth
- Gender
- Age
- Favorite (Icon Button)
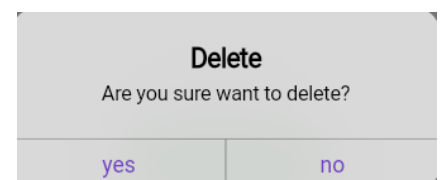- Edit (Icon Button)
- Delete (Icon Button)

4. Favorite User

- Click on favorite button icon will change from outline to filled and user will be added as favorite and it will show in favorite list.
- After click on filled icon user will be unfavorite and removed from the favorite list.
- User can be favorite/unfavorite vice versa.

5. Delete User

- While click on delete button from user list or detail page, alert dialog will pop up with title "Are you sure want to delete this user?", with two buttons yes & no.
- Pressing yes button user will deleted and alter dialog will dismiss.
- Pressing no button alter dialog will dismiss.

6. Search User

- User can be search by typing in search bar above the user list.
- While user is typing auto filter the users from list and show only filtered user in the list.
- If no user found by search then message will shown as "No User Found".
- Search to be done by
  1. User Name
  2. City
  3. Age
  4. Email
  5. Phone number

7. User Detail

- By tap on any user in user list user detail screen will be navigated.
- In this screen all the details of user will be displayed in read only mode.
- In this screen there Edit, Delete and favorite button should be available.

8. About Us

- About us screen should display basic details of users and application
- You can refer any aswdc application available on playstore/appstore for reference of about us screen.