

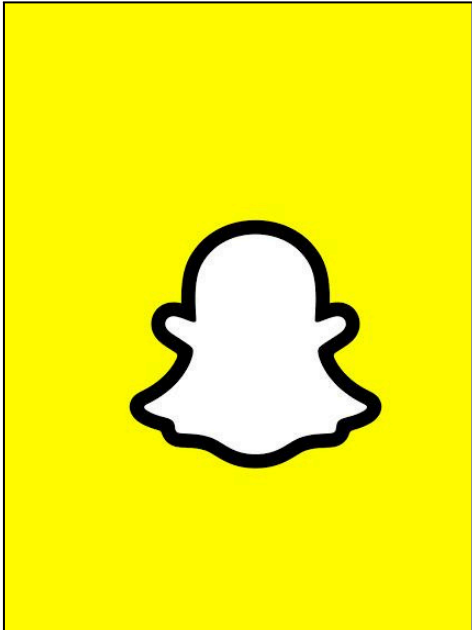
## MAD and PWA LAB

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**Class:** D15A - 64

**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   |
|--|--|
|  | <p><b>Landing Page :</b></p> <ul style="list-style-type: none"><li>● Displays the SNAPCHAT icon prominently in the center.</li><li>● Minimalistic design to guide users to the main app features</li></ul> <p><b>Flutter Components:</b></p> <ul style="list-style-type: none"><li>● AppBar: For the snapchat icon at the center</li><li>● Column &amp; Center: To align the icon</li><li>● Image.asset : To display snapchat logo</li></ul> |

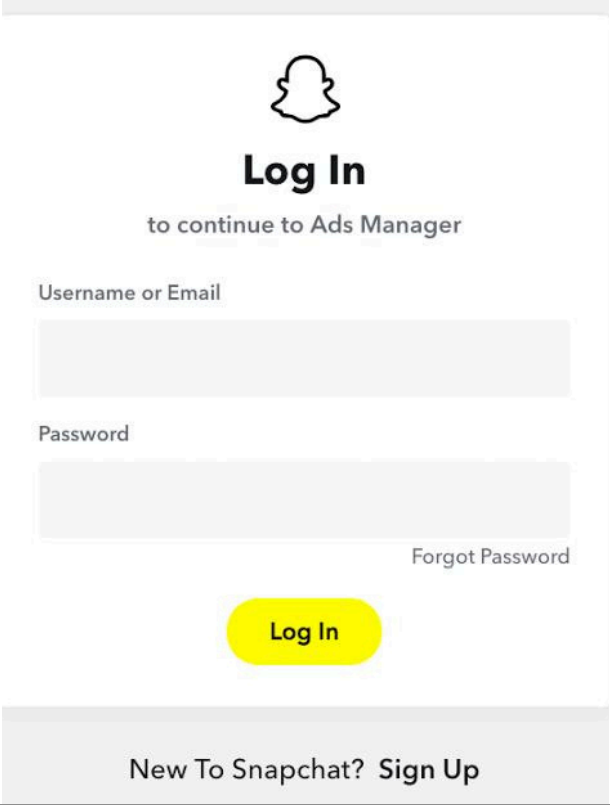


### Home Page :

- contains a discovery page
- Shows the latest stories and interested content.
- Highlights recommendations for you.

### Flutter Components:

- ListView or GridView for displaying stories and discoveries
- Card widget for each content.

| Screen Shot  | Features  |
|--|---|
| <div data-bbox="103 342 715 1144"></div> | <p data-bbox="837 342 975 371"><b>Login Page:</b></p> <ul data-bbox="863 465 1279 555" style="list-style-type: none"><li>● User inputs email and password</li><li>● Sign in</li><li>● If new user go to sign up page</li></ul> <p data-bbox="837 719 1083 748"><b>Flutter Components:</b></p> <ul data-bbox="863 842 1442 1126" style="list-style-type: none"><li>● TextFormField for email and password inputs</li><li>● ElevatedButton for sign-in</li><li>● Navigator.push for routing to the sign-up page</li></ul> |

| Screen Shot | Features  |
|-------------|---|
|             | <p>Chat Page:</p> <ul style="list-style-type: none"><li>● Shows detailed information about the chats</li><li>● Includes profile images and name</li><li>● Displays snaps sent, snap received information</li></ul> <p>Flutter Components:</p> <ul style="list-style-type: none"><li>● Column and Row widgets for layout</li><li>● Image widget for photos</li><li>● Text widgets for descriptions, names, and options</li></ul> |

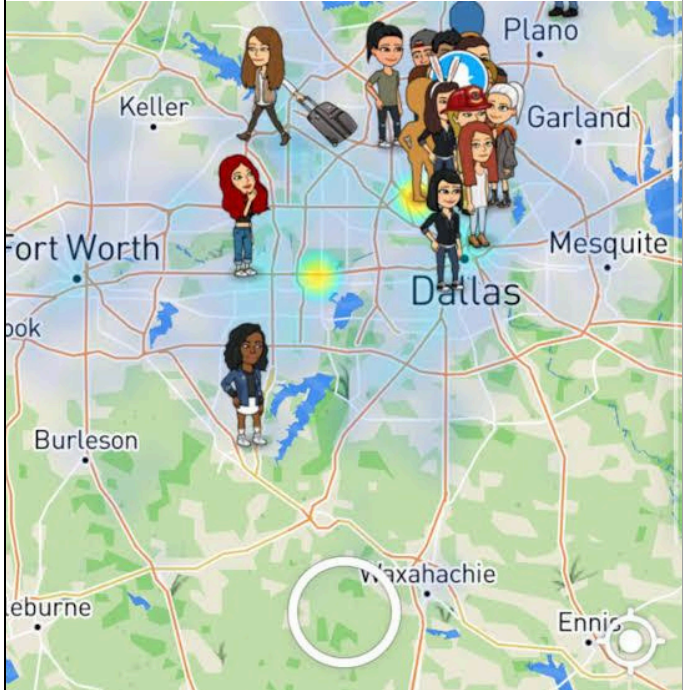


#### Camera Page:

- Shows camera
- Lets you manage camera setting according to your concern
- shows pending friend requests

#### Flutter Components:

- camera (for camera functionality)
- image\_picker (for gallery access)
- Custom UI with overlays for Snapchat-like effects.

| Screen Shot   | Features  |
|---|---|
|  | <p><b>Location Page:</b></p> <ul style="list-style-type: none"><li>● Shows the real time location of friends</li><li>● shows the profile of each friends</li></ul> <p><b>Flutter Components:</b></p> <ul style="list-style-type: none"><li>● <u>google_maps_flutter</u> (for map display)</li><li>● <u>geolocator</u> (for live location tracking)</li><li>● Custom UI for friend locations and interactive map elements.</li></ul> |