

## **1. App using Google Maps API and Google Places API**

Create a simple Travel planner app using Google Maps API and Google Places API. The app should take the Users' location and find the shortest way to the destination. The app should also display important places around the user and the user may also pick the places by direct interactions with the Map. Custom styling of the Map is appreciated. The app should be fully functional with required Controls and Gestures. Display the Complete details of the selected place.

### **Basic Functionalities:**

- Display the user location.
- Provide a Text area for the user to type the location/destination.
- Find the shortest distance for the journey and show any other suggested route(s).
- Show Real time Navigation on the Map.
- Basic Controls and Gestures over the map

### **Specific Functionalities:**

- Display places (including Restaurants, Hotels, Temples, Gas Station, etc) around the Users location.
- The user should be able to get suggestion while typing to select a place.
- User should be able to directly interact with the map and select the destination (hold to ping location).
- Display complete details of the Destination (Picture, Address, etc.).
- The UI should be User Friendly and Neat.

## **2. Music Player Application**

Create a simple Music player and Sharing Application. The app should be able to create a playlist from the music available in the device. Basic music app functionalities such as Play, Pause, Next, Back, etc. should be included. The app should also be able to share the songs with other devices nearby (mode of transfer is of your choice). For every action, the app should take the users permission, e.g. to explore the device to find music, to transfer files. Any interactive UI using animations is appreciated.

### **Basic Functionalities:**

- To explore the device and show the available music, from which the user may select to create a playlist and save the playlist locally.
- Basic Music app Functionalities.

**Specific Functionalities:**

- Show the current music played in the Notification panel with Play/Pause and Next/Back options.
- Scan to find nearby devices.
- Share the music with paired devices with Users permission.
- Manipulation of the Equalizer.
- The UI should be Interactive, User Friendly and Neat.

**3. Meme Generator Application**

Create a Meme Generator app. The app should show a list of Templates from which the user can select any template and create a meme using it. The user should also be able to choose pictures from his mobile Gallery and create a meme using the app. The text should be completely flexible i.e. the Text Size, Colour, and positions of the text. The font can be of any Family. Image processing inside the app (such as cropping, adding borders, titling the image, etc) should be made available for the user. The finished Meme should be stored inside the Mobile storage and the user should also be given options to share via WhatsApp, or any other apps.

**General Functionalities:**

- The app should display a pre-loaded list of Templates for the user.
- The app should also be able to load images from the mobile Gallery and create Meme on it.
- The Text should be completely Flexible i.e. the Text Size, Colour, and positions of the text.
- Save the meme inside the mobile storage.

**Specific Functionalities:**

- Basic Image Processing properties such as cropping, adding borders, titling the image, etc should be made available inside the app.
- After finishing the Meme, the user should be able to share the Meme via WhatsApp or any other similar apps.
- Custom made Frames / Border images can be integrated.
- The UI should be User Friendly and Neat.

#### **4. Food Ordering Application**

Create a Food Ordering app. The app should get the details of the user from a Log-in/Sign-up activity which can be used for authentication also. The app should show a 'Creative' list of Restaurants from which the user selects to view the menu and order. The app should have an optimized UI so that the selection and ordering process is not a stressful issue to the user. Special offers unique to the selected Restaurants. The payment functionality can be a simple static UI. The invoice should be displayed and saved under the Users history of orders.

##### **General functionalities:**

- Get the details of the User.
- 'Creative' list of Restaurants should be made available to the user.
- Optimized Navigation inside the App.
- Display dynamic menu of items according to the Restaurants selected by the user.
- Have a payment activity.
- Display the invoice and save the order under the user.

##### **Specific functionality:**

- Maintain a proper Back-End by using Firebase or any other similar platforms.
- Have Filters and Search to find Restaurants.
- Send appropriate notifications where ever possible.
- Design a creative, attractive and simple UI.

(Note: UI includes Navigation, App icon if possible, any Unique Pictures, etc)