

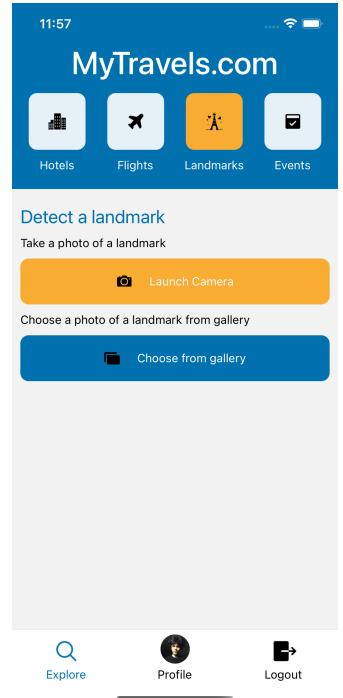
YourTravels - A Travel App

Features

1. Landmark Detection

User can either take a photo or pick an image from their photo gallery and upload it. The landmark is detected with the help of the Google Cloud Vision library. It's a library for machine learning tools. A POST request is made to the <https://vision.googleapis.com/v1/images:annotate?key=> with the Google Cloud API key. A base64 image is sent in the request body. And response from the API is a list of items with probability. The first in the list is the one with the highest probability. That's what is showed to the end user.

API: <https://vision.googleapis.com/v1/images:annotate>



2. Covid Data based on user's country (location)

User can type in a destination on Home Screen. And navigate to that location on the map. They are presented with a list of facts about that country's recent covid facts so users can make an informed choices to based on that.

Covid Stats are retrieved from [https://disease.sh/v3/covid-19/countries/\[countryName\]](https://disease.sh/v3/covid-19/countries/[countryName]). A GET request is made to this url and stats about a specific country are returned in the response. The country name is obtained from the address which user enter in the Input Field on Home Screen. That address is sent to <https://maps.googleapis.com/maps/api/geocode/json> in a parameter. The longitude, latitude and the country name of that given address is retrieved from the Geocode API.

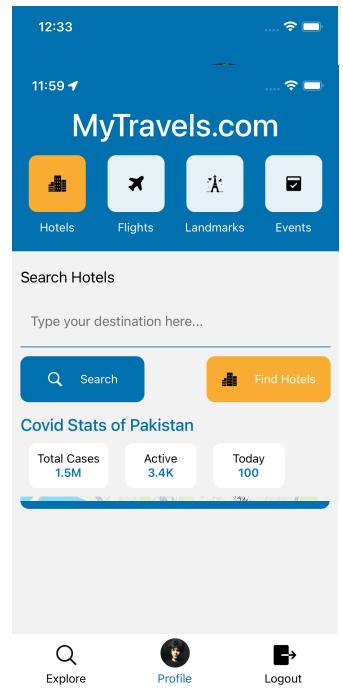
API: <https://disease.sh/v3/covid-19/countries>



3. User Profile

User can navigate to the Profile in the bottom tab, and edit or add their information. They can add country, phone number and edit their name too. User data is stored in a collection ('Users') on Firestore in the Firebase Console.

```
firebase.auth().currentUser.updateProfile({
  displayName: 'Alias',
});
```



4. User Authentication

User can sign in with their email and password. Authentication is done via Firebase Authentication module.

```
firebase.auth().signInWithEmailAndPassword('joe.bloggs@example.com', '123456');  
@param email — The users email address.  
@param password — The users password.
```

5. User Email Verification

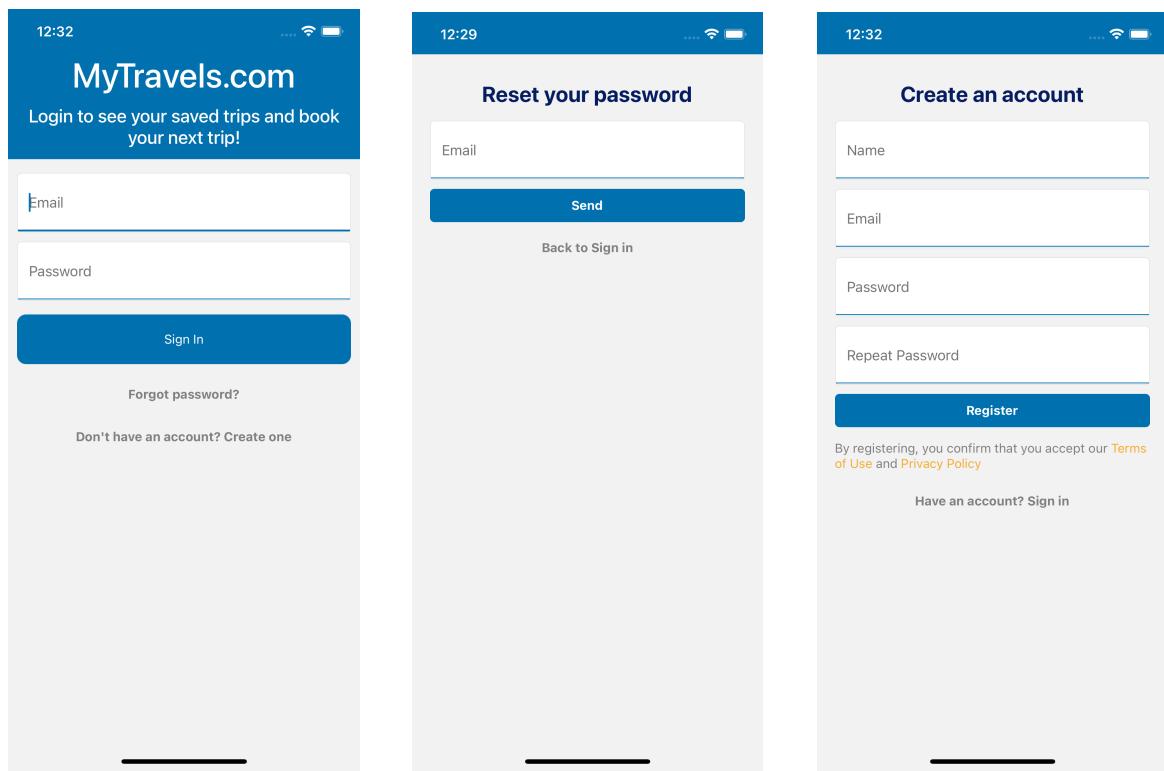
When user signs in, the user is sent an email for verification. User cannot sign in unless they have verified the email by clicking on the link in the email. Once they have done that, they can go back to the app and login. The verification email is sent to the user

```
firebase.auth().currentUser.sendEmailVerification({  
  handleCodeInApp: true,  
});
```

4. Forgot Password

Users can click on Forget Password link on the Sign in Screen. And this takes them to the Forget Password screen. User enters their email and are sent a link to reset password. They reset their password in the browser and can come back to the app and then login with the new password.

```
firebase.auth().sendPasswordResetEmail('joe.bloggs@example.com');  
@param email — The users email address.  
@param actionCodeSettings — Additional settings before sending the reset email.
```



5. Calendar of Events

Users can click on Events Icon Button and navigate to the Calendar View. They can view all the events there. `react-native-calendars` is the module that is used to show the calendar and all the events created.

Module used: `react-native-calendars`

6. List of Hotels/Flights based on user location

Users can view the available hotels/flights in the home — clicking on Search button. This is intended to show them all the options on their location detected from GPS. `react-native-get-location` is used to accomplish that — which return an object containing the coordinates of the user current location.

Module used: `react-native-get-location`

```
GetLocation.getCurrentPosition({  
  enableHighAccuracy: false,  
  timeout: 15000,  
})
```

