

TRAVEL ADVISOR

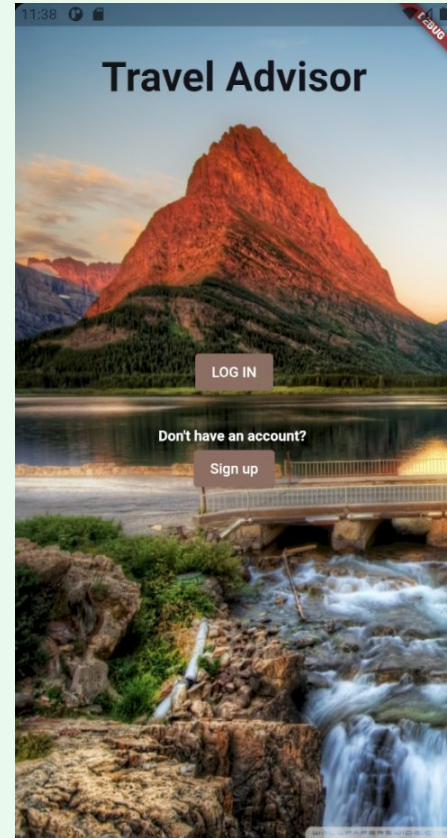
Where adventures begin

A National Park application

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ABOUT THE APP.

- Mobile application which helps users plan visits before and during their traveling within the United States' national parks.
- Serves just like a tour guide and park hub, fulfilling a wide range of usability.

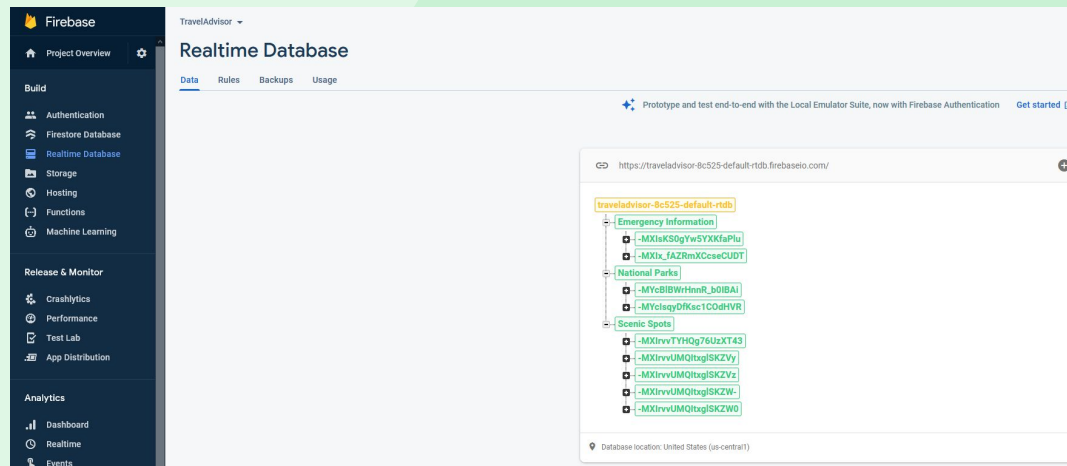


This application uses Flutter as its programming language. Open-source software for cross-platform web and app development



API: Firebase

Access pictures, string data, and various information depending on the user



HOME PAGE 1

2

MAPS

Find out where the national park is!

2

FAVORITES

Check out the national parks you have taken interest in!

2

SCENIC SPOTS

Discover the highlights of the national parks you could visit!

2

SETTINGS

Set up your profile in case of emergencies

03

EXPLORE

Visit the national park with the information you gathered!

01.

Home Page



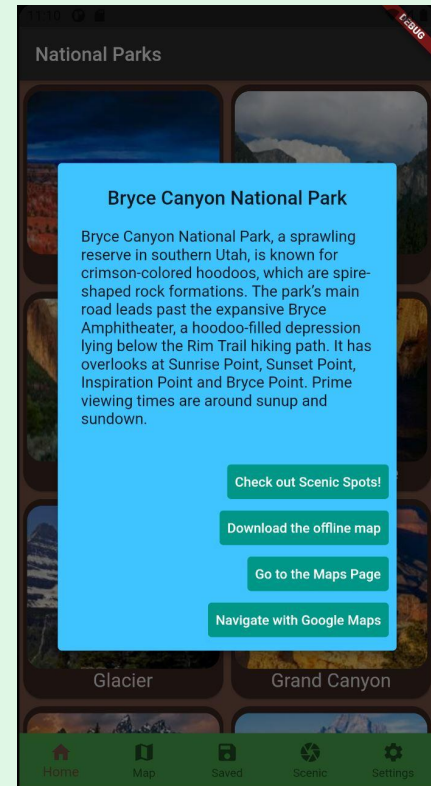
- List of all the National parks
- Popups on click, providing info and options
- Scenic Spot button
- Map button
- Download Map button
- launch map button
- Add to favourite



Home Page

List of All the National
ParKs

Quick Snaps



Pop Up

This is the point where
we can go to different
part of the app.

02.

Map Navigation



Two Sides

To The Park

- Navigation to national park via segue to Google Maps application
- Google Maps application navigates to park chosen on Main Page



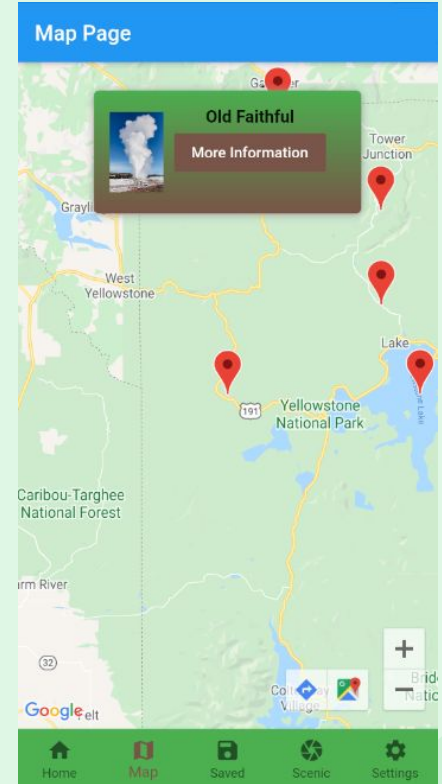
Within The Park

- Map within application displaying user chosen national park, utilizing Google Maps API
- Each national park filled with Scenic Spot markers



Scenic Spot Markers

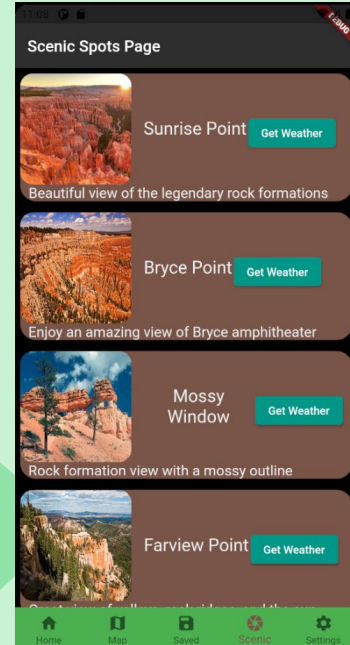
- Each park has a set of Scenic Spot markers
- Scenic Spot information is grabbed from the Firebase database and used to populate markers
- Each Scenic Spot marker has a picture of the Scenic Spot, as well as a button to the Scenic Spot Page



03.

Scenic Spots

- List of scenic spots from selected national park
 - Gathered from the National Park Service (NPS) website
 - Highlights beautiful locations and markers to enjoy the environments and take in the scenery
- Gets information through coordinates passed in from the Home Page



API: OpenWeather

Allows feeding geo-coordinates into methods to get name, icon, temperature, and weather advisory

Helps users plan out their trips, even on the fly



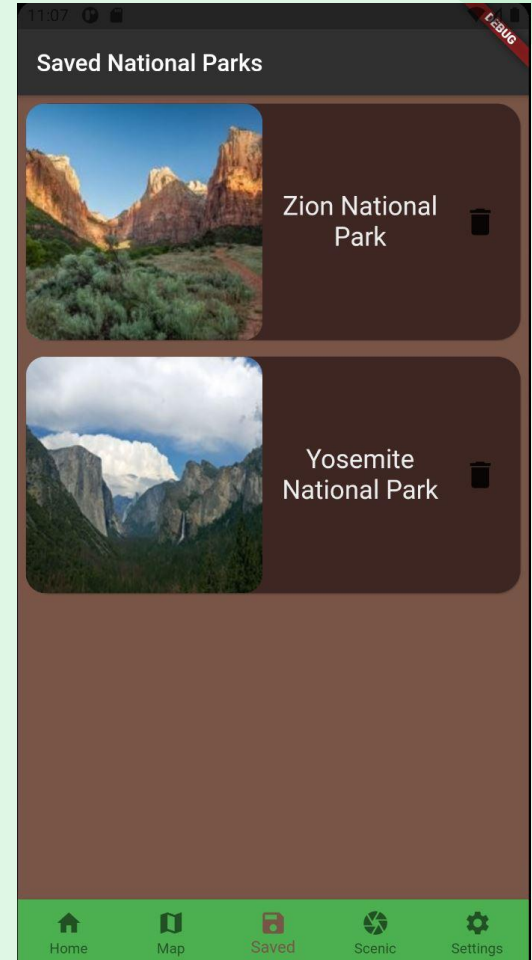
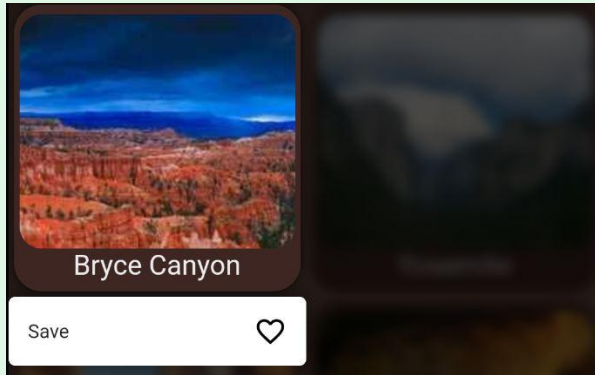
04.

Favorites



Save or Delete

- Able to stay organized
- Keep track which national parks visited
- Delete from favourites by clicking on delete

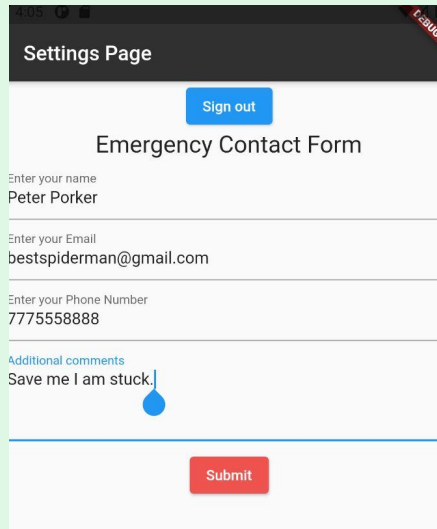


05.

Emergency Reporting



- Emergency contact is used when visitors need help, when they want to recuse.
- The contact form asks every necessary information from visitors
- Stores information in a realtime database with location information of the device.



The screenshot shows a mobile app interface with a dark header bar labeled "Settings Page" and a "Sign out" button. Below the header is the "Emergency Contact Form". It contains three input fields: "Enter your name" with the value "Peter Porker", "Enter your Email" with the value "bestspiderman@gmail.com", and "Enter your Phone Number" with the value "7775558888". There is also a text area for "Additional comments" with the text "Save me I am stuck!". A blue cursor is visible in the text area. At the bottom of the form is a red "Submit" button.

Settings Page

Sign out

Emergency Contact Form

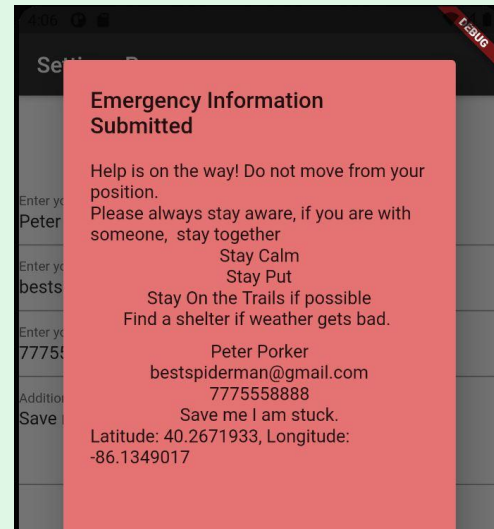
Enter your name
Peter Porker

Enter your Email
bestspiderman@gmail.com

Enter your Phone Number
7775558888

Additional comments
Save me I am stuck!

Submit



The screenshot shows a mobile app interface with a dark header bar labeled "Settings Page". A large red overlay box covers the main content area, displaying the "Emergency Information Submitted" confirmation. The text inside the box provides instructions and summarizes the submitted information.

Emergency Information Submitted

Help is on the way! Do not move from your position.
Please always stay aware, if you are with someone, stay together
Stay Calm
Stay Put
Stay On the Trails if possible
Find a shelter if weather gets bad.

Peter Porker
bestspiderman@gmail.com
7775558888
Save me I am stuck.
Latitude: 40.2671933, Longitude: -86.1349017

Video Demo

<https://youtu.be/A2Uc8C206SI>





THANKS

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