

Travel Advisor Exploring New Implementations Scenario

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Travel Advisor is a mobile application that assists users in choosing which national park they want to visit. Features that were working within the first release include a fully functional login system that allowed for the creation of new accounts, a main landing page that displayed a litany of different national parks, a map page that showed Yellowstone Park along with some scenic spots within, and a settings page that allow users to log out. The goal of this scenario is to guide users through the new implementations that will be featured with the end of release two. The new implementations will reach through every facet of the application and will provide a better overall user experience.

Scenario “Exploring New Implementations”:

Upon logging in or signing up through the Firebase Authentication system, the application will take the user to the main page. The main page consists of a grid made of thumbnail images of the national parks photos in a visually appealing manner. The user will be able to see the different photos of national parks in a user interface which should be formatted in an eye-catching and clean way. Also, these thumbnails will be the method to navigate users to that particular national park on a map page, which the user will then select the Yellowstone National Park to redirect the user to the maps page with the same national park open in the map.

Upon the user landing on the map page, the interactive map built from the Google Maps API will be displayed within the application that is centered on the Yellowstone National Park. Scenic Spot locations will be fed into the application and scattered throughout the map via markers, serving as a visual representation of where each spot is located. When clicking on the marker, the user will be presented with the name of the Scenic Spot, a small description, and a way to be taken to the Scenic Spots Page, where a more detailed description of the Scenic Spots will be displayed, accompanied by a report from the Weather Advisor system.

Scenic Spots are the special landmarks, points of interest, and notable areas that make national parks interesting and unique. Users will be able to see how many spots there are in the Scenic Spots page located on the navigation bar. In order to view each one of the spots, users will click on one of the pictures of the scenic spot from the list. By doing that, users will be able to see details about that particular spot such as the description of the spot, weather and facts. Once the user is done reading, they can go back by clicking on the back arrow at the top left of the page. Later, when the user moves to a different spot, they'll be able to follow the same procedures to view details about scenic spots.

The Weather Advisor system will display the forecasted weather in the map with different areas in the park. The system will display the weather information based on the latitude and longitude coordinates of the scenic spots. The user will then be able to see if there is fog on the north side of the park and to prepare for such information before the trip and during as well if the user will have connection.

The settings page, also known as the profile page holds the information about the users. When a user creates an account, the settings page is empty. Users will have to add their personal information like, their name, hobbies, emergency contact information, address, phone number and email address. In the event that there is an emergency, then the user will be able to quickly press a button on this page and send coordinates to the database for access to a hypothetical

rescue team. All of their information will be stored in the Firebase Database. Lastly, if in future a user decides to delete the account, they will be able to do that by clicking delete account in settings page and users will be able to logged out.

Implementation Images

