

Final App Report

Team Name: Group1A

Team Members: Ashraf Cherukuru, Savitha Doure, Venkatesh Kalva

Abstract:

This app will assist you in making a trip plan. It also helps them to plan events for the day. User will either provide a specific location name or their GPS coordinates which are used to fetch various types of places near the location (hotels, bars etc.,). Users can add multiple places to a trip. Distance between places of a trip will be provided. Trips can be shared with friends using their registered email addresses.

Main features and functionalities:

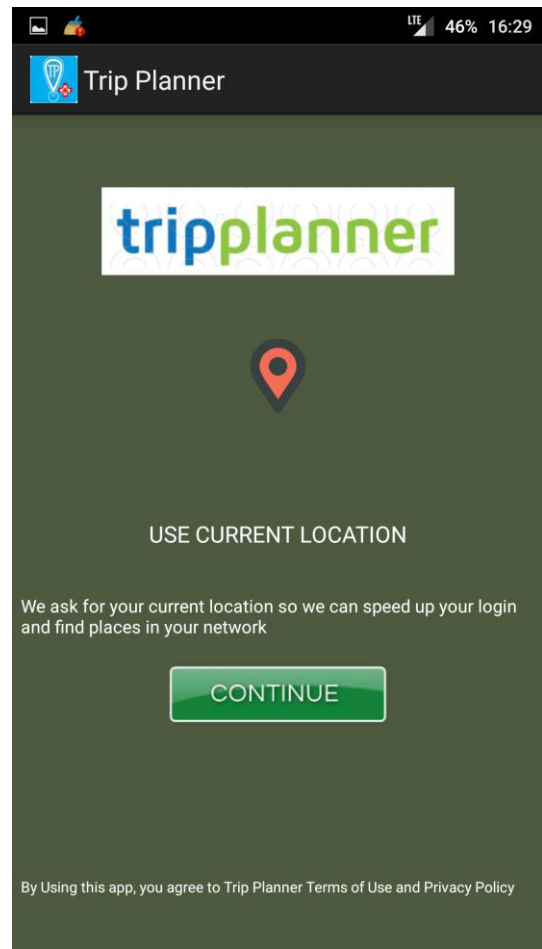
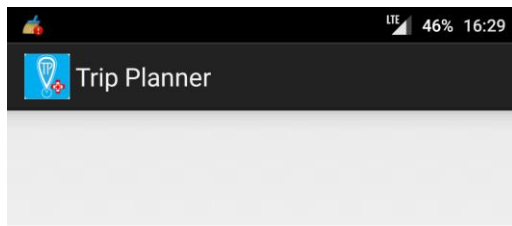
1. Register with email address
2. Login with Facebook or email address
3. **Add a trip or view existing trips:**
A user can choose between creating a new trip or editing existing trips
4. **Select the type of place :**
Place can be selected from the following list
 - Restaurant
 - Airport
 - Car Repair
 - Bar
 - Gas station
 - Lodging
 - Movies
 - Shopping Mall
5. **Nearest places :**
Nearest places will be shown for each place type by searching places API with phone's GPS coordinates
6. **Place details:**
Image, address, open status and current weather information will be provided for the selected place.
7. **Weather details :**
Clicking on weather icon will show weather details for the next 10 days at the destination
8. **Travelling distance:**
Travelling distance will be shown between all the places listed in a trip
9. **Sharing with friends:**
Any trip created by the user can be shared with his/her friends using their email address. Users who received the trips can edit them (delete or add places) and share it back to other friends.

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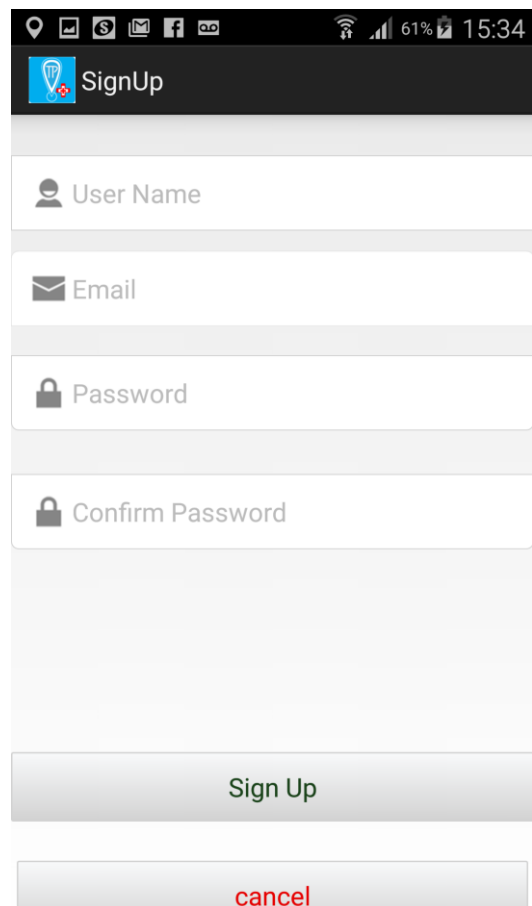
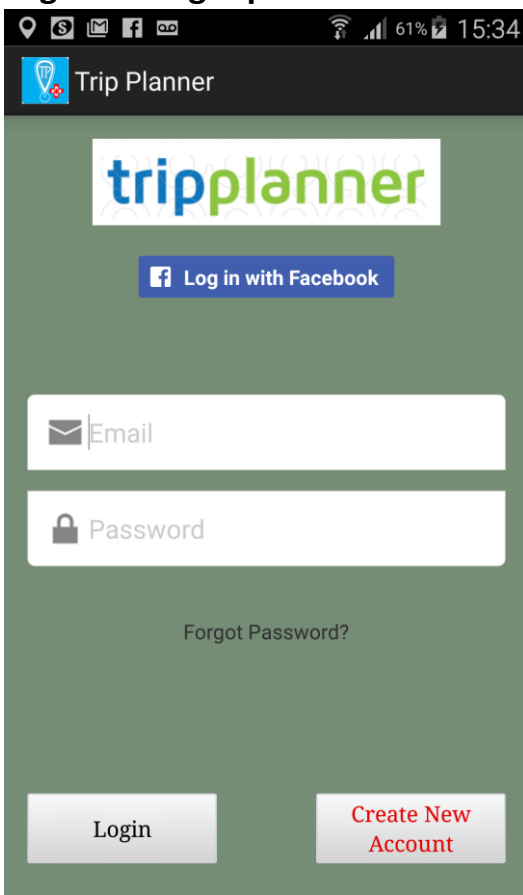
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Screenshots:



Login and Signup screens

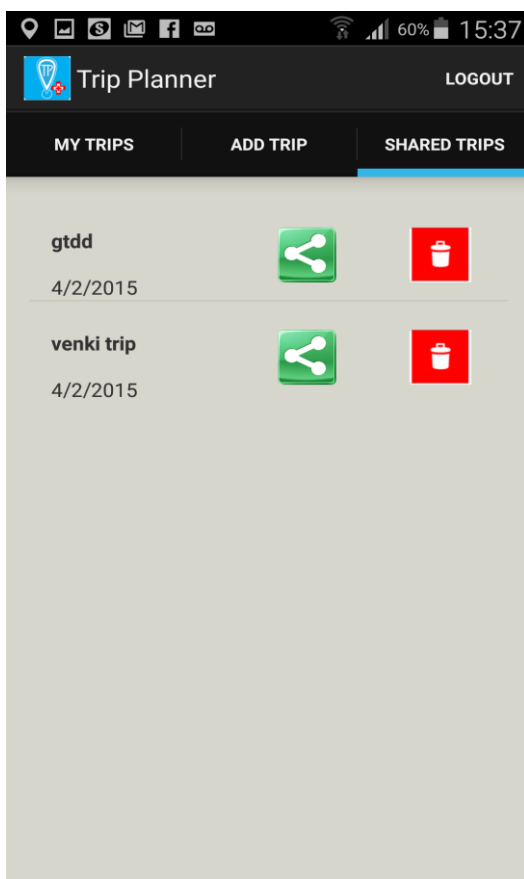
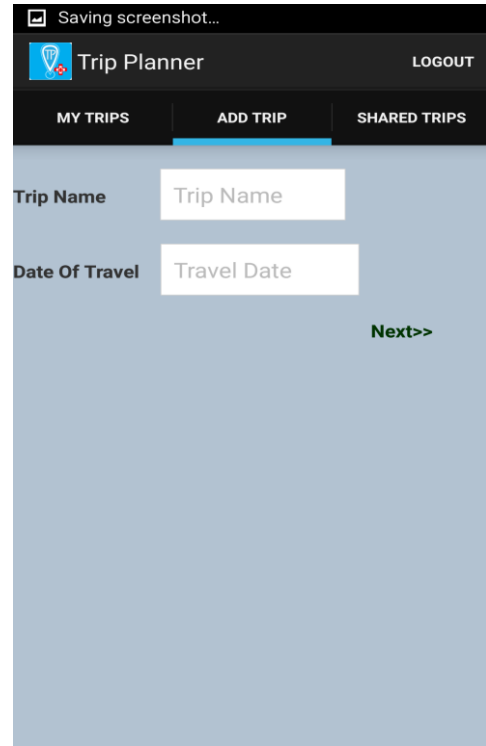
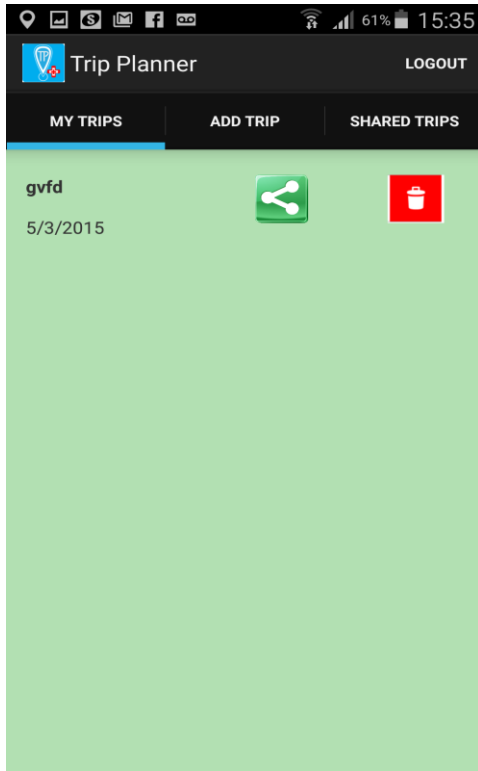


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Home activity:

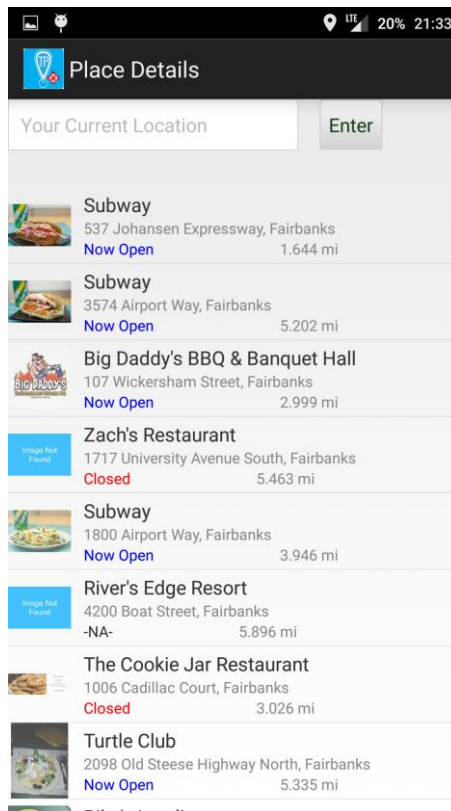
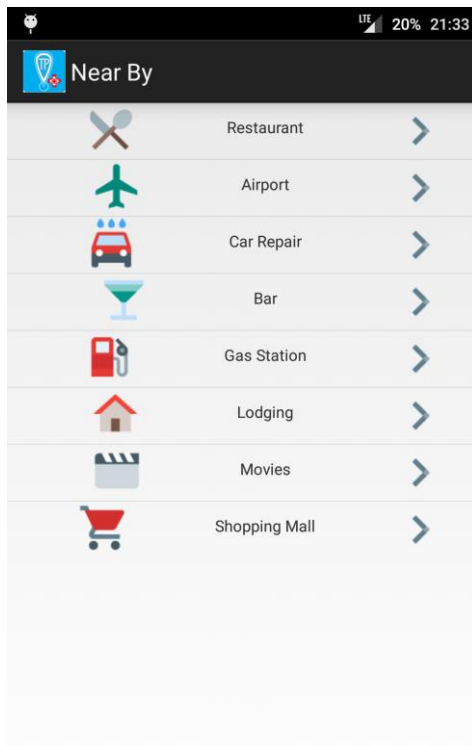


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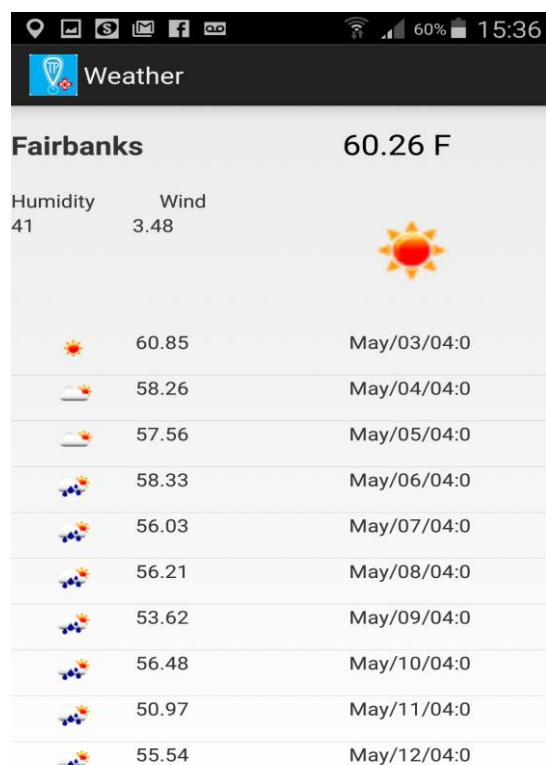
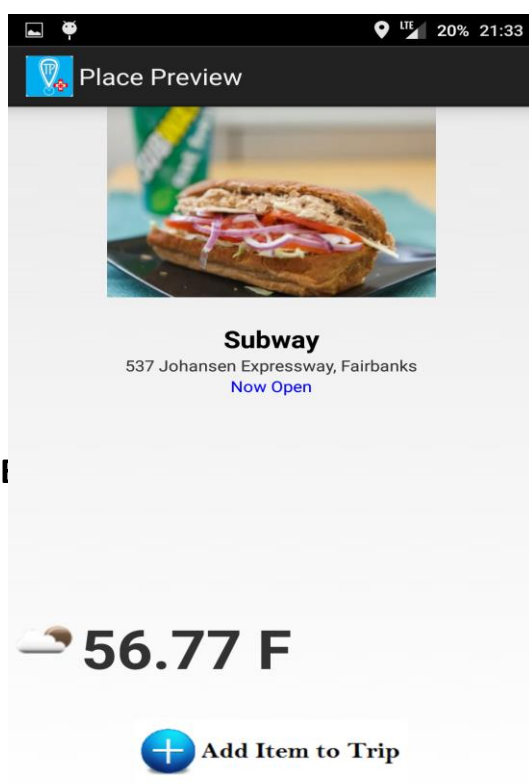
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Search Places:



Place Details and weather:

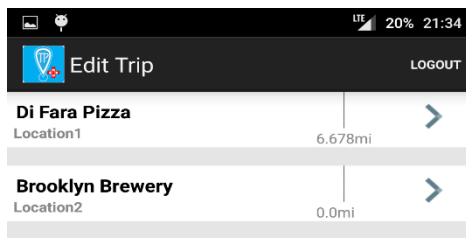


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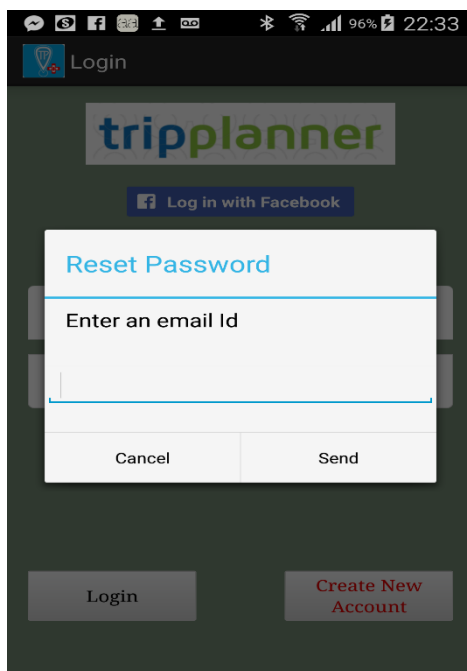
Edit Trip:



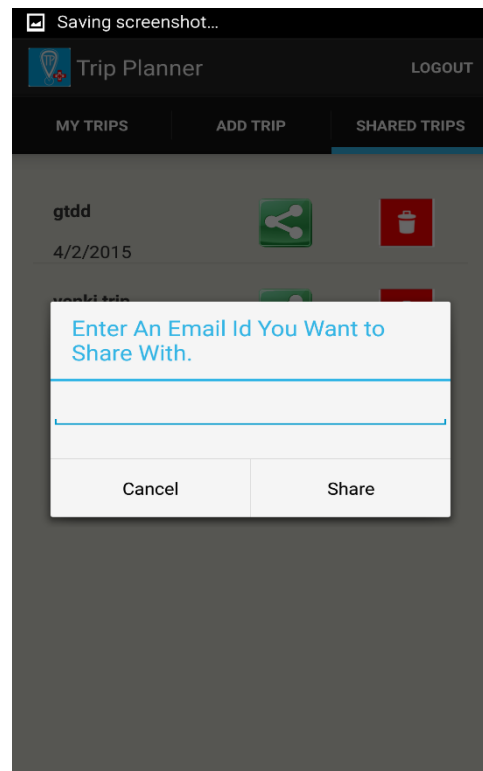
+ Add Item to Trip

SAVE

Reset Password:



Share a Trip:



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(2) Provide a detailed account of how the submitted app compares to the initially proposed app

Requirements	Proposed?	Implemented?
Use Google maps API	Yes	Yes
Use Google Places API	Yes	Yes
Use Open Weather API	Yes	Yes
Facebook Login	Yes	Yes
Using parse.com to save credentials	Yes	Yes
Share with friends	Yes	Yes
Distance between places of a trip	Yes	Yes

(3) Describe the different design choices that were implemented and the reasons behind these choices.

UI Design: In the UI Design we have chosen Fragment as and where required. Fragment design helped us implement navigating from one to another (Tab Fragment) with ease. We used swipe list view instead of normal layout design instead of an old fashioned button to delete a list item, we can swipe the list item and delete the item from the list.

Service Design: We have used AsyncTask for every call to the API's instead of Thread runnable as it is Android based and easier to implement. We have used Google API for retrieving the places nearby and Facebook API for logging with Facebook which reduces the burden of the user with a Facebook account.

Database Design: We have used Parse.com for storing and retrieving the user data instead of SQLite for its advantages over the SQLite such as less coding and easy accessibility. We have used Shared Preferences for the local storage.

Note: Everything worked fine if we install in android mobile and if genymotion doesn't have Facebook the application will not work with Facebook login. Mobile phone should have Facebook installed to work with Facebook login.