Nicholas Petitmermet
Homework 1
2/9/2019

Project 1

Idea:
An application that users can take pictures of plants they find to ID them and track them on a map.

Competition:
PlantNet Plant Identification, PictureThis: Identify Plant, Flower, Weed, and More

Audience:
 Hikers and Flower Enthusiasts

Technologies:
GPS to pin the location where the picture was taken. MapView to see the overview of where you took pictures of plants. Camera for taking pictures of the plants. Database for storing the information associated with the pictures including location, date, name, description. Access to the time for getting the date when the picture was posted.

Suggested Price:
Free (Possibly with ads and 0.99 for ad free)- Similar apps are also free. The difference between this app and the others will be the simplicity. This app is more for personal use so that a user can remember what they have seen and when. The addition that this will have is being able to filter the map and pictures by season so you can see what certain plants look like at different times of the year. Allows grouping flower tags to find similar plants you have taken pictures of.

Project 2

Idea:
An application that allows users to make collaborative playlists for spotify by upvoting songs they like for the playlist.

Competition:
Could not find anything like this.

Audience:
20 year olds

Technologies:
Spotify API for songs. A database storing for songs and their upvote counts. Bluetooth for creating local groups and voting on songs. Networking for online playlist making.

Suggested Price:

$0.99 - I could not find any apps for generating playlists in an organized manner. It would allow groups of people to collaborate and come to a consensus on songs via voting to make playlists that they all agree on. $0.99 seems like a reasonable price for a fun group app that is original.

Project 3

Idea:

Random restaurant selector that gives you a suggestion for restaurants nearby. Allows filtering by restaurant type, stars, and costs.

Competition:

OpenTable, Yelp, Restaurants Near Me

Audience:

Indecisive people and travelers who are new to town.

Technologies:

TripAdvisor API for finding restaurants in the town. Maps API to find the location of the restaurant. GPS also for location purposes.

Suggested Price:

Free with ads: This app is similar to OpenTable which is also free. The ads can be used to produce revenue for use. The difference between this app and the others is that it is not designed to get you a long list of choices. This app is for the indecisive and will get a list of restaurants and choose one for you. It will also be designed with a more fun feel of making it game like. You spin a wheel with filters and then indicate where to go. It will also act as a map to lead you to the restaurant.