

# CSCI 188 Project Proposal

## Search Simplifier

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Diptanu Das

### ***Project Abstract***

This android application will be used to search location depending on user's interest (for example: restaurants, stores, Medical, bookstore). User can search the location based on distance and ratings. Depending on the usability and interest, the user can save the record of location in favorites which can be used later for reference. Few additional feature is user can also give star points to the stores.

### ***Strategy***

- 1) The application will be developed using Eclipse 3.6, JDK 6 and SDK platform Android 3.2. Eclipse plug-in for android provides an emulator to show the application.
- 2) To search a geographic location or prominent point of interest, this application will use google places API. Place requests locations as latitude/longitude coordinates. Google search API for shopping which will be used to search the location based on rating.
- 3) The application will require a file system to save the data in favorites.

### ***Unknowns & Problems***

I have not used API before, so I have to figure out how to use them in my application. Since the application requires data to be saved in the system, I have to figure out how to do that. Though I am familiar with java, I have not worked on android based application before so I have to familiarize with the system.

### ***Implementation Plan***

<b>Tasks</b>	<b>Time estimated</b>
Set up android environment and registering for google places API	1 week
Making UI and using Android google maps library.	3 weeks
Obtaining Data from google places API and parsing the received XML data to render it in UI	2 weeks
Obtaining Data from google search API and parsing the received XML data to render it in UI	1 week
Placing logic to store favorites and display them.	1 week

# Project Proposal

Rough Sketch of the flow of the design:

