Progress Report Week 2

Dave DaCosta, Jake Adamson, Rob Cucchiara, Nathan Ko

Overview: The second week's focus has been on improving the database. Previously, we settled on a design where it would utilize one table for both the visited and prospective restaurants. We settled on a two table database design although it may run into the issue of referential integrity when updating a single restaurant in one list but not the other. However, we decided this tradeoff was worth the convenience of not having to setup a more complex relational schema, as some of our group members are unfamiliar with database knowledge. Implementing this feature gave us the ability to save dummy data into both the visited and prospective restaurant lists independently of each other. We were also able to make progress in making calls to yelp using the yelp API, and fetch a list of the restaurants nearby. With these features implemented, we feel that we have a minimally viable product for this week and we are content with our progress so far.

Teamwork: For this week we tried to incrementally build out our product to get it closer to the final goals. The individual features are mostly implemented, so that we can focus on tweaking the bugs and the user interface from this point. We feel that we have the skeletal structure of the code done which closely resembles what we have in mind for our final application. We have decided not to use git for integrating our codebase together as we decided too much time was spent figuring out the git workflow as opposed to writing code.

Individual Contributions:

- Dave: I established Yelp API querying to the point where we grab 90% of the information we need. I have left out the option to retrieve photo links until we set up that external database. I built the Restaurant Loader, while modifying SearchActivity to interact with these moving parts. One flaw, is that while we can search for locations, the query will only execute and build a list if the search editable text view is prefilled. I'll figure that out next week.
- Jake: Finished the VisitedCursoryAdapter, stubs of WantToVistCursoryAdapter, Restaurant class, and RestaurantAdapter classes. And update the list_item xml so that it displays all the information that we have.
- Nathan: Researched and implemented an additional database table using the same in app URI for easy data access, helped teammates troubleshoot problems regarding git and android studio, and reorganized and restructured the code for easier understanding.
- Rob: Created the Form activities and layouts, fixed a small bug that caused the app to crash when clicking on a certain a button, and made minor ui changes

To Do: We need to finish the ability to upload photos into the database. We also need to improve our current GUI as it is still rudimentary. The search API currently works on a single phone but we need to resolve any authentication issues. We also need the ability for the user to edit a single list item. We also need the ability to delete individual list items. It would also be nice

to be able to move a list item in the Prospective Restaurant list to the Visited Restaurant list but it is not a top priority.