

# Lab 4 : Software Development Process

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## Background

Your group is the up-and-coming startup team. You are funded 100k USD to develop the following product.

Product: A geo target mobile application that will locate the cheapest restaurant around you with a certain type of food.

Your company flagship mobile app is now called **GeoFood** - The Geotarget Mobile app

## Questions

Write THREE main use cases for your app:

A New user signs up on the app. They put their food preferences, their likes and dislikes.

A registered user logs in to the app and will look at the recommendations by default on the home-page.

A user can either choose to order from his recommended restaurant or choose to search for a new restaurant.

The following are the main use cases:

### 1. Restaurant Search

The user can search for restaurants based on cuisine and budget of the user -> the app returns restaurants sorted by default according to distance (nearest restaurants are displayed first).

The app allows the user to sort on multiple factors => distance, rating, cost, based on app recommendation.

The app also allows users to input a friend's address or a set of addresses and the app can find a restaurant which is at a minimum distance from all the people. (The location coordinates are obtained by google maps)

(Premium version)Advanced search - This feature is for the premium users. It performs faster search(more preference to premium users) and no ads are displayed in the app.

## **2. Restaurant Recommendation**

The app recommends restaurants based on specific user order history and user feedback. When a registered user logs in, he will see the recommended restaurants on the first page of the app.

Recommendation is based on user order history(what he eats often, when he orders a particular type of food, finds hidden correlations( example: a person who likes chinese cuisine prefers Thai cuisine too))

## **3. Type of Order**

The app offers multiple ways to order food. Once you choose a particular restaurant, there are multiple ways to choose food

- **For dine in :**

The user will see the waiting time, updated menu based on availability. The option to book table based on restaurant map is also provided.

- **For delivery :**

The user will see the approximate waiting time, they will get more information about the menu(some food items may not be available for delivery, some food items might take longer for delivery or any specific personalized note from the restaurant).

- **For Pickup :**

The user can choose a pickup point (lane, street address etc) and see waiting time, before placing the order on the app.