

# MNeeds

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# Description

Time, convenience, quality and family are some aspects of life we value the most. This application is designed to search and display some basic needs(Daycare, Restaurants, fast foods, etc) based on proximity and ratings).

This helps us to better manage our time and aids in making a choice of residence.



# Features

- Anyone can search for needs just by entering a valid or/and using google maps autocomplete,
- Link to enable users view details of the location(using the need's website), directions,
- For more options like saving the search result, users have to sign up and sign in whenever they want to view their previous save searches and can search for more.



# Planning - User Stories

- ❑ Users can search for the needs they want just by entering a valid address or using google maps autocomplete,
- ❑ Users can view a cluster google map and the needs they searched for besides a listing of these needs
- ❑ Users can view details of the displayed needs via a link to the need's website
- ❑ For more option such as saving search result, user can sign up and sign in.
- ❑ User can also use their facebook or gmail account to sign up/sign in.



# Planning - Database

## Model Classes / Tables

- ❑ The main database used here is google's database that powers google maps which is access through the google maps api
- ❑ Users:- Stores user sign up(User profile) details and enables user sign in
- ❑ User can edit their profile information whenever an information changes
- ❑ UserSearchResult: Stores the UserID and the url of the search result page of the user.



# Technology Stack

- Java(v8)
- Springboot
- Thymeleaf
- Mysql/Firebase
- Bootstrap
- Google maps API(Places library,...)



# Demo



# What I Learned

- Address autocomplete with Google places library
- Deepen my javascript knowledge
- How to connect to google map api and pull data
- Using social media and email for signup/signin
- Deploying app to google app engine





# What's Next

- Notification for sign up users for updates on newly developed needs(restaurants, daycare, malls, parks. etc)
- Weekly auto generated newsletters of updates and events of needs based on saved data
- Enabling location detection to ease search
- Learning android / iOs development to develop MneedDS mobile app

