# Aim:

To generate a advanced voice module program to add on google assistant or Amazon Alexa system which allows driver to get an easier ideas of locations for parking in Melbourne. Provides a viable solution to the overpopulation of automobiles in particular, the high amount of driver at peak hours during business days, create a better traffic environment in Melbourne.

For voice module, we expect this program to automatically detect voice resource and responding the questions effectively. It can easily provides a serval solutions for the driver and generate a coherence plan.

After this voice module application, the whole Melbourne traffic environment is expected to consist with more orders and less chaotic. The amount of the traffic pressures should be evenly distributed across the city. People should spend less time on traveling on road and seek for parking spots and therefore less traffic jams.

# Testing:

We have already created a prototype of Free Parker, but we didn’t use real data for this prototype, we would use it to collect user suggestions about the function and user interface in the mean time then make it better based on these feedbacks. After we updated the prototype, we will use real data to analyse the practicability and data authenticity of Free Parker. We would like to find 25 users to test the Free parker during all different project periods. office worker who driving car to work would be expected to take the test.

# Skills and Jobs:

Programer

Creates and modifies software by converting project requirements into code. They need to know different programming language, especially Java language, experience of problem solving and familiar with different programming technique. This role requires a lot of experience.

User Interface Designer

User Interface Designer work to make the system functions smoothly and logically for users, they design, create and fix user interface of the software. User Interface Designer need to be familiar with different programming languages, ensure that user experience for software is great.

Systems Analyst

Systems analyst provides feasible solution for problem, typically systems analysts get the feedbacks from users, they collect requirements, then identify time needed and costs to implement the project. This role need have a good understanding of people, business knowledge and few years’ experience.

Software Tester

For software testers, they don’t have to know much about program but they do need a good understanding of code, they would test the scripts and analyse the results, give them to the project leader. They can join the group at the early stages of project.

# Roles

For this project, we need a head developer which is the leader of the whole team, this role is responsible for work distribution, separating work tasks and focus on the progress of everyone’s works. Next, programer and designer is needed, and they are responsible for the program structure and program functions. After that, program application team is needed as real life data and investigation are the core of the whole project. supporting staff are the final puzzle of the project which provides support for both users and project team.