

# COMP9321 Data Services Engineering

## Assignment 3

## Design and Development of a Data Analytics Service

**Hungry Jack’s Group Plan**

Mentor : Alireza Tabebordbar

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| **Name** | **Student ID and Email** | **Signature** |
| Wenxin Wang (Jack) | z3454684 specialjack2@gmail.com |  |
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| Shan Wang (Kelly) |  |  |

# Introduction the scenario

What is the service going to offer for the users? documented well ?

In this group project, we are going to analyse the data of Melbourne Housing Market since 2016 and predict the housing price which consumers consult via GUI.

Main delivering to users: Task 1 2 3 4

Has the group identified the (high-level) system architecture and components necessary for the  group work?  (not to be detailed, high‐level plan)

不太确定什么意思

page document with following information:

‐ What is the aim of the service?

to analysing and predict the pricing of real estate property in Melbourne

‐ What are the datasets?

[Melbourne Housing Market form kaggle.com](https://www.kaggle.com/anthonypino/melbourne-housing-market#Melbourne_housing_FULL.csv)

Dataset bring by Rui csv

# Roles and Tasks

We have divided into two teams, which are front-end and back-end crew.

Front-end crew including Elena and Kelly. They would do design a RESTful API to offer service (Authorition) as well as designing a Simple Client with GUI

Back-end crew including Jack, Jennifer and Ray. select data sources, data integration and pre-processing, Then building a machine learning model to train and test

Project documentation; correctly described use cases using notations, such as sequence  diagrams, mock‐ups, or plain natural language; the method is optional.

对于问题的描述?

* Communication Channel:‐ What is your communication channel?

Facebook Group Messaging and Github for code repository 必须是英文的,Meeting Two的时候要present this channel

* what is ur code repository ?
* Frequently commit on GitHub(at least twice a week)
* Keep in touch with group members using WeChat, Organising porpuse
* Carefully read the provided instructions and requirements and possibly re-read them periodically so as to refresh your memory and make sure you do the right thing. Do some preparing before attending every Group Meeting
* Post, reply, comment on GitHub regularly.
* The duration of the project is three weeks due on the 21rd of October.

**Notes (Bring one-page document)**

- What is the aim of the service?

For this project, we are going to acquire as well we analysis data from Melbourne

Housing Market since year 2016, and predict the price of real estate property in Melbourne that consumers consult. It is documented.

- What are the datasets?

Melbourne Housing Market form kaggle.com with csv format.

- What is your communication channel?

For communicating with group members, we use wechat to discuss specific issues

occurring in the project.

- What is your code repository?

For sharing the code, we use github to track changes and get the latest code.

- A very brief description of each member’s role in the project.

Our team are divided into two groups, front-end and back-end.

Elena and Kelly are in charge of doing front-end work. They will design a RESTful API

to offer services, and implement a few webpages to display data and other useful

information.

Jack, Jennifer, and Ray are in charge of back-end work. They will first extract data from sources with an existing API, and then analysis as well as process the data into

the database, and eventually build a machine learning model to train and evaluate.

- Project documentation; correctly described use cases using notations, such as sequence diagrams, mock-ups, or plain natural language; the method is optional.