

The tenth MCI group Project client meeting will be held in Zoom remotely at 5 pm on Thursday 26 May 2022

## Agenda

**Chair:** Mingen Xiao

**Secretary:** Jing Han

### 1 Apologies

None.

### 2 Presentation

None.

#### 2.1 Functional requirements and Presentations in Last Meeting

The previously client meeting was important. The meeting firstly displayed how the new functions basically work and explained the logic of code by the team to the client. After that, the team did simple tests by entering the inputs just provided by the client to show the steps to use the new functions. The client was then suggested a number of activities that the team still need to achieve in order to get better performance of the project basic on functional consideration. Before the end of the meeting, the team briefly discussed with the client about the testing plan.

#### 2.2 Problems and solutions

First of all, the team realised that the project does not need as much as different types of testing because the most crucial features would be functionality, accuracy, stability and maintainability. It means that focusing on only two to three aspects of testing would be useful instead of designing a lot. To focus more on the data and visualisation, the team decided to apply the unit testing, integration testing and regression testing.

Since the front-end system was built within python environment, the team found it difficult to implement the data flow map showing all-level relationship of the objects. To solve the problem, the team asked advice from the client and do plenty of research on the Internet and found that recursion may be one of the easier approaches to achieve all-level relationship. That is, no matter what level needs to be displayed on the data flow map, we still can do that because the function will execute recursion in python until checking all-level relations and return the required output.

### 3 Requirements Elicitation

#### 3.1 Set colours of the objects according to the type of the object.

- 3.2** Display detailed information while hovering over the node.
- 3.3** Interface for users which allow them to upload the input csv file directly in the webpage.
- 3.4** Display All-level relationship on the data flow map.
- 3.5** Set the checkbox to select the object instead of applying searching text bar.
- 3.6** Create pages for showing case statement, subquery statement and connect different pages with a navigation bar in the webpage.

#### **4 Other Issues**

None.

**Note:** Next meeting will be decided by the client.