

COMS3002 - Software Engineering

Use Case Realisation

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1 Introduction

This section will contain a list of all the use cases identified using the user stories defined earlier in the sprint. The list of use cases below will be divided into three categories, namely:

- **Vital:** use cases that are vital to the system to function.
- **Complementary:** use cases that support and enhance the system but are not very vital to the system's operation.
- **Fluff:** use cases that enhance the system and improving the user experience.

2 Back-end Processes

2.1 Vital

- i Create Home Suggestion(s) (CT-01)
- ii Delete Home Suggestion(s) (CT-02)
- iii Update Home Status (REB-D02)

2.2 Complementary

2.3 Fluff

3 Customer

The following is a list of all use cases that are related to the customer. That is, the use cases that the customer will interact with.

3.1 Vital

i Customer Account

- Create Account (CT-A01)
- View Account Details (CT-A02)
- Update Account Details (CT-A03)

- Delete Account (CT-A04)

ii **Customer Home Application**

- Create Home Application (CT-B01)
- View Home Application (CT-B02)
- Update Home Application (CT-B03)
- Delete Home Application (CT-B04)

iii **Customer Home Suggestions**

- View Suggested Homes (CT-C03)
- Delete Suggested Home (CT-C04)

iv **Customer Home Viewings**

- Create Viewing Time (CT-D01)
- View Viewing Time (CT-D02)
- Update Viewing Time (CT-D03)
- Delete Viewing Time (CT-D04)

3.2 **Complementary**

i **Customer Preference Comment**

- Create Prefence Comment (CT-E01)
- View Prefence Comment (CT-E02)
- Update Prefence Comment (CT-E03)
- Delete Prefence Comment (CT-E04)

ii **Home Availability**

- View Home Availability (CT-F01)

3.3 **Fluff**

i **Customer-REBroker Chat**

- Create Chat (CT-J01)
- View Chat (CT-J02)
- Update Chat (CT-J03)

- Delete Chat (CT-J04)

ii **Customer Search History**

- Create Search History (CT-G01)
- View Search History (CT-G02)
- Update Search History (CT-G03)
- Delete Search History (CT-G04)

iii **Customer Bond Calculation**

- Create Bond Calculation (CT-H01)
- View Bond Calculation (CT-H02)
- Update Bond Calculation (CT-H03)
- Delete Bond Calculation (CT-H04)

iv **Home Search Advice**

- View Home Search Advice (CT-I01)

v **Home liking**

- Create Home like (CT-J01)
- Update Home like (CT-J02)
- View Home like (CT-J03)

4 **REBroker**

The following is a list of all use cases that are related to the REBroker. That is, the use cases that the Real Estate Broker will interact with.

4.1 **Vital**

i **REBroker Account**

- View Account Details (REB-A02)
- Update Account Dtails (REB-A03)

ii **Client List**

- View Client List (REB-B01)

iii **Client Home List**

- View Client Home Recommendation (REB-C01)

iv **Property Status**

- View Home Status (REB-D01)

v **Viewing Time**

- Create Viewing Time (REB-E01)
- View Viewing Time (REB-E02)
- Update Viewing Time (REB-E03)
- Delete Viewing Time (REB-E04)

4.2 **Complementary**

i **Home Management**

- Create Home (REB-F01)
- View Home Details (REB-F02)
- Update Home Details (REB-F03)
- Delete Home (REB-F04)

ii **Client Preference Comment**

- View Client Preference Comment (REB-G01)

4.3 **Fluff**

i **Client-REBroker Chat**

- Create Chat (REB-H01)
- View Chat Messages (REB-H01)
- Update Chat Messages (REB-H01)
- Delete Chat (REB-H01)

ii **Client Preference Importance**

- View Client Preference Importance (REB-I01)
- Update Client Preference Importance (REB-I02)

iii **Home liking**

- Create Home like (REB-J01)
- Update Home like (REB-J02)
- View Home like (REB-J03)

5 **REManager**

The following is a list of all use cases that are related to the REManager. That is, the use cases that the Real Estate Manager will interact with.

5.1 **Vital**

i **REManager Account**

- Create REManager Account (REM-A01)
- View REManager Account Details (REM-A02)
- Update REManager Account Details (REM-A03)
- Delete REManager Account (REM-A04)

ii **Broker Application Management**

- View Broker Application (REM-B01)
- Update Broker Application status (REM-B02)

iii **Employee Management**

- Create Employee (REM-C01)
- View Employee Details (REM-C02)
- Update Employee Details (REM-C03)
- Delete Employee (REM-C04)

iv **Transaction Management**

- Create (Record) Transaction (REM-D01)
- View Transactions (REM-D02)

v **Financial Statement**

- Create Financial Statement (REM-E01)
- View Financial Statement (REM-E02)

5.2 Complementary

i Budget Management

- Create Budget (REM-G01)
- View Budget (REM-G02)
- Update Budget (REM-G03)
- Delete Budget (REM-G04)

5.3 Fluff

i Statistic Reports

- Create Report (REM-I01)
- View Report (REM-I02)
- Update/Modify Report (REM-I03)
- Delete Report (REM-I04)

ii Report Graphs

- Create Graph (REM-J01)
- View Graph (REM-J01)
- Update/Modify Graph (REM-J01)
- Delete Graph (REM-J01)

iii Budger History

- View Past Bugdets
- Restore Budget

6 Conclusions

The use cases listen above can be be directly translated as the systems functionality. They have also been categorised into different categories so as to identify which use cases are more important than others. This will prove usefull if there is a limited amount of time to create the system and allow the development team to focus on what is more important first.