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| **Use Case No.** | 1 | |
| **Name** | Import Data | |
| **Source** | Marketing and Sales (M&S) staff | |
| **Trigger Event** | Import button on the user interface has been clicked | |
| **Brief Description** | The Marketing and Sales staff member imports data into the system as input for forecasting. | |
| **Related Use Case** | None | |
| **Actor** | Marketing and Sales staff | |
| **Preconditions** | Reports from Oracle is ready to be entered as input into the system | |
| **Post conditions** | The system received the report/s from Oracle and is saved into database | |
| **Event Flow** | **Actor** | **System** |
|  | 1. System shows import user interface. |
| 1. M&S Staff chooses a file in Excel Format. | 1. System checks if the file is a valid Oracle generated report. |
| * 1. If file is invalid, return to event flow no. 3. | 1. If file is valid, save report to database. |
| **Exception Conditions** | 1. M&S Staff cancels importing data 2. Data is in a wrong format and 3. Oracle report already exists in database | |

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| **Use Case No.** | 2 | |
| **Name** | Generate Forecast | |
| **Source** | Marketing and Sales (M&S) staff | |
| **Trigger Event** | Generate Forecast button has been pressed | |
| **Brief Description** | The Marketing and Sales staff generates a forecast report using the system. | |
| **Related Use Case** | Alter Forecasting Conditions | |
| **Actor** | Marketing and Sales staff | |
| **Preconditions** | Data is sufficient until the timespan indicated by user | |
| **Post conditions** | Forecast report is generated | |
| **Event Flow** | **Actor** | **System** |
|  | 1. System prompts user whether they want to use default timespan. |
| * 1. M&S Staff chooses no.      1. M&S Staff sets timespan   2. M&S Staff chooses yes. | 1. System prompts user whether they want to alter forecast conditions. |
| * 1. M&S Staff chooses yes.      1. M&S Staff alters forecasting conditions (refer to Use Case no. 3).   2. M&S Staff chooses no. | 1. System creates a forecast using the set timespan and the set forecasting conditions. 2. Forecast report is saved to database. 3. Forecast Report is displayed for M&S Staff. |
| **Exception Conditions** | 1. M&S Staff cancels forecast 2. The selected timespan exceeds the available data | |

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| **Use Case No.** | 3 | |
| **Name** | Alter Forecasting Conditions | |
| **Source** | Marketing and Sales (M&S) staff | |
| **Trigger Event** | M&S Staff chooses yes when prompted during Generate Forecast (UC# 2) | |
| **Brief Description** | M&S Staff can change the forecast criteria depending on external events. | |
| **Related Use Case** | Generate Forecast (UC# 2) | |
| **Actor** | Marketing and Sales staff | |
| **Preconditions** | M&S Staff is generating a forecast. | |
| **Post conditions** | Forecasts done for the desired period/s now depend on the new conditions | |
| **Event Flow** | **Actor** | **System** |
|  | 1. System shows alter forecast conditions interface. |
| 1. M&S Staff alters the forecast conditions. | 1. System saves the alterations and returns to generate forecast interface. |
| **Exception Conditions** | 1. M&S Staff cancels alteration. 2. Altered criteria is out of bounds. | |

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| **Use Case No.** | 4 | |
| **Name** | View Reports | |
| **Source** | Marketing and Sales Staff, General Manager | |
| **Trigger Event** | View button is pressed | |
| **Brief Description** | A staff member chooses to view the reports available for a certain period. | |
| **Related Use Case** | Validate Reports (UC# 5) | |
| **Actor** | Marketing and Sales staff, General Manager | |
| **Preconditions** | 1. User must be M&S Staff or General Manager 2. At least one report is present in the database | |
| **Post conditions** | The system displays the desired reports | |
| **Event Flow** | **Actor** | **System** |
|  | 1. System Displays View Report UI |
| 1. User chooses a time period. | 1. System retrieves report from the database and lists it on the UI. |
|  | 1. User chooses a report | 1. System generates graphs and displays the report with the graphs. |
| **Exception Conditions** | Time period chosen does not contain a report | |

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| **Use Case No.** | 5 | |
| **Name** | Validate Reports | |
| **Source** | General Manager | |
| **Trigger Event** | General Manager pushes validate button | |
| **Brief Description** | General Manager checks existing reports and validates them | |
| **Related Use Case** | View Reports (UC# 4) | |
| **Actor** | General Manager | |
| **Preconditions** | General Manager is viewing a report | |
| **Post conditions** | Reports are labeled as valid or invalid | |
| **Event Flow** | **Actor** | **System** |
|  | 1. System prompts user if report is valid or not. |
| * 1. General Manager clicks valid button | * + 1. System marks the report as valid |
| * 1. General manager clicks invalid button | * + 1. System marks the report as invalid |
|  | 1. System saves the validation to database. |
| **Exception Conditions** | General Manager cancels validation | |

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| **Use Case No.** | 6 | |
| **Name** | Create Account | |
| **Source** | Admin | |
| **Trigger Event** | Application for user registration | |
| **Brief Description** | The admin generates a username for a user and lets him/her decide his/her password for the account to activate | |
| **Related Use Case** | None | |
| **Actors** | 1. Admin 2. Marketing and Sales staff | |
| **Preconditions** | An application for user registration has been submitted  User must be an Admin | |
| **Post conditions** | A new user account is produced and saved in database. | |
| **Event Flow** | **Actor** | **System** |
| * 1. Admin initializes account creation interface. | * 1. System displays account creation interface |
|  | * 1. System creates an inactive account with a system generated username |
| * 1. Marketing and Sales staff inputs user information and password. | * 1. System activates the account and notifies the Admin |
| * 1. Admin confirms account creation | * 1. System saves account to database |
| **Exception Conditions** | 1. Admin cancels account creation midway 2. Marketing and Sales staff takes too long to input user information and password | |

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| **Use Case No.** | 7 | |
| **Name** | Manage Accounts | |
| **Source** | Admin | |
| **Trigger Event** | Admin clicks manage account button | |
| **Brief Description** | The admin monitors the activities that were done using the system’s accounts. | |
| **Related Use Case** | 1. Reactivate account 2. Deactivate account | |
| **Actor** | Admin | |
| **Preconditions** | There has to be at least one user account with at least one activity | |
| **Post conditions** | Account activities are monitored and if desired, accounts become deactivated/reactivated | |
| **Event Flow** | **Actor** | **System** |
|  | 1. System retrieves list of activities from Database and displays it |
| 1. Admin checks for irregular or suspicious activities |  |
| * 1. Suspicious activities found   2. No Suspicious activities found |  |
| * + 1. Click Deactivate Account button |  |
|  | * 1. System saves changes to database |
| **Exception Conditions** | Admin cancels monitoring activities | |

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| **Use Case No.** | 8 | |
| **Name** | Deactivate Account | |
| **Source** | Admin | |
| **Trigger Event** | Admin clicks Deactivate Account button | |
| **Brief Description** | The admin deactivates an account with confirmed irregular/suspicious activities. | |
| **Related Use Case** | Manage Accounts | |
| **Actor** | Admin | |
| **Preconditions** | 1. Admin must be viewing an activity 2. Account to deactivate is currently active 3. Suspicious/Irregular activities must be confirmed | |
| **Post conditions** | Account is rendered deactivated | |
| **Event Flow** | **Actor** | **System** |
|  | 1. System prompts user to confirm |
| * 1. Admin clicks Yes   2. Admin clicks No      1. Admin returns to monitoring activity (UC# 7) | * + 1. System disables chosen account     2. System saves changes to database |
| **Exception Conditions** | Admin cancels deactivation  Account is already deactivated | |

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| **Use Case No.** | 9 | |
| **Name** | Reactivate Account | |
| **Source** | Admin | |
| **Trigger Event** | Admin clicks Reactivate Account button | |
| **Brief Description** | The admin reactivates a deactivated account proven to be not guilty | |
| **Related Use Case** | View Account Activities | |
| **Actor** | Admin | |
| **Preconditions** | Account to be reactivate must be not guilty of suspicious activities | |
| **Post conditions** | A deactivated account gets reactivated | |
| **Event Flow** | **Actor** | **System** |
|  | 1. System retrieves list of deactivated accounts from database and displays it |
| 1. Admin chooses account to reactivate | 1. System prompts Admin to confirm |
|  | * 1. If Admin clicks No, return to event no. 1   2. Admin clicks Yes | 1. Enable account and save changes to database. |
| **Exception Conditions** | Admin cancels account reactivation | |