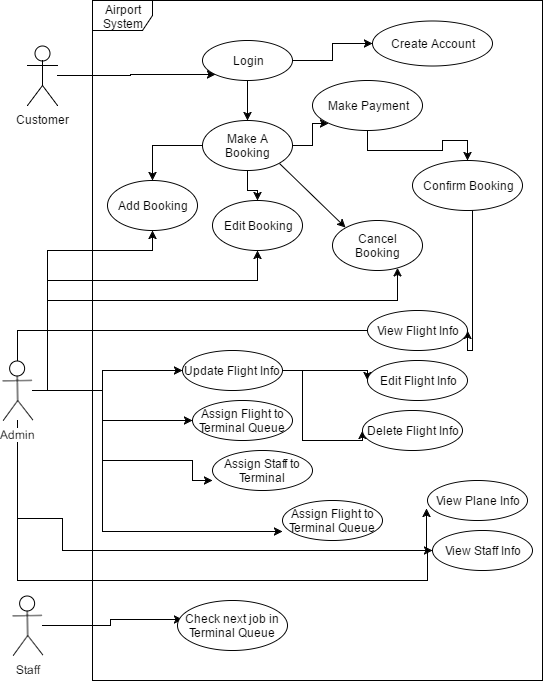
# Use Cases

USECASE2.png

**IMPROVEMENT NEEDED!!!  
  
‘I believe you need at least one more type of user, namely the staff. You may want to have different levels of staff (e.g. line manager, supervisor and technician).  
I am not sure that it should be the Admin to assign staff rather than assigning a flight to a terminal queue with all the jobs assigned to that terminal. In this case the staff assigned to that terminal just has to check the next job in the queue. Everything else looks good. ‘**

**- Pedro**

**IMPROVED VERSION OF USECASE DIAGRAM**



|  |  |  |
| --- | --- | --- |
| **ID:** 1 | **Name:** Create Account | |
| **Actors Involved:** Customer | | **Preconditions:** User runs system/ selects create from the Main Menu |
| **Main Flow**  The user enter the create account through the selection on the main menu, the user is prompted with each detail, e.g. forename, surname, phone number. Each detail is validated such as length check on phone number and format check on email address. When all valid data is entered the system asks the user for confirmation, if the user selects yes, the system will save that users valid details to the xml file. | | **Alternative Flow**   1. User enters invalid data, error message occurs, user cannot continue until valid data is entered 2. User doesn’t confirm details, system returns to the main menu without saving 3. Details entered are already in the xml file, error message occurs, create account function begins again from the start |
| **Post conditions:** Customer details are saved to the XML file | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 2 | **Name:** Login | |
| **Actors Involved:** Customer | | **Preconditions:** user as created an account |
| **Main Flow**  x | | **Alternative Flow**  x |
| **Post conditions:** x | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 3 | **Name:** Make A Booking | |
| **Actors Involved:** Customer | | **Preconditions:** hj |
| **Main Flow**  x | | **Alternative Flow**  x |
| **Post conditions:** x | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 4 | **Name:** Add Booking | |
| **Actors Involved:** Customer, Admin | | **Preconditions:** U |
| **Main Flow**  d | | **Alternative Flow**  g |
| **Post conditions:** g | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 5 | **Name:** Make Payment | |
| **Actors Involved:** Customer | | **Preconditions:** x |
| **Main Flow**  x | | **Alternative Flow**  x |
| **Post conditions:** x | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 6 | **Name:** Confirm Booking | |
| **Actors Involved:** Customer | | **Preconditions:** x |
| **Main Flow**  x | | **Alternative Flow**  x |
| **Post conditions:** x | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 7 | **Name:** Edit Booking | |
| **Actors Involved:** Customer, Admin | | **Preconditions:** U |
| **Main Flow**  d | | **Alternative Flow**  g |
| **Post conditions:** g | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 8 | **Name:** Cancel Booking | |
| **Actors Involved:** Admin, Customer | | **Preconditions:** U |
| **Main Flow**  d | | **Alternative Flow**  g |
| **Post conditions:** g | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 9 | **Name:** View Flight Info | |
| **Actors Involved:** Admin, Customer | | **Preconditions:** U |
| **Main Flow**  D | | **Alternative Flow**  g |
| **Post conditions:** g | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 10 | **Name:** Update Flight Info | |
| **Actors Involved:** Admin | | **Preconditions:** U |
| **Main Flow**  D | | **Alternative Flow**  g |
| **Post conditions:** g | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 11 | **Name:** Edit Flight Info | |
| **Actors Involved:** Admin | | **Preconditions:** U |
| **Main Flow**  d | | **Alternative Flow**  g |
| **Post conditions:** g | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 12 | **Name:** Delete Flight Info | |
| **Actors Involved:** Admin | | **Preconditions:** U |
| **Main Flow**  d | | **Alternative Flow**  g |
| **Post conditions:** g | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 13 | **Name:** Assign staff to terminal | |
| **Actors Involved:** Admin | | **Preconditions:** U |
| **Main Flow**  d | | **Alternative Flow**  g |
| **Post conditions:** g | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 14 | **Name:** Assign flight to terminal queue | |
| **Actors Involved:** Admin | | **Preconditions:** U |
| **Main Flow**  d | | **Alternative Flow**  g |
| **Post conditions:** g | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 15 | **Name:** View Plane info | |
| **Actors Involved:** Admin | | **Preconditions:** U |
| **Main Flow**  d | | **Alternative Flow**  g |
| **Post conditions:** g | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 16 | **Name:** View Staff info | |
| **Actors Involved:** Admin | | **Preconditions:** U |
| **Main Flow**  d | | **Alternative Flow**  g |
| **Post conditions:** g | | |

|  |  |  |
| --- | --- | --- |
| **ID:** 17 | **Name:** check next job in terminal queue | |
| **Actors Involved:** Staff | | **Preconditions:** U |
| **Main Flow**  d | | **Alternative Flow**  g |
| **Post conditions:** g | | |