

Functional Requirements

Version 1	Initial Version
Version 1.5	Updated the Functional Requirements based on the functionalities of the project Added the feedback
Version 2	Updated the functional Requeirements based on the functionalities of the final project

FR-01: Client should be able to login

FR-02: Client should be able to add a new employee

FR-03: Client should be able to edit employees

FR-04: Client should be able to delete employees

FR-05: Client should be able to view account information

FR-06: Client should be able to add a new helicopter

FR-07: Client should be able to add a new private jet

FR-08: Client should be able to edit helicopter

FR-09: Client should be able to edit private jet

FR-10: Client should be able to delete aircraft

FR-11: Client should be able to add a new destination

FR-12: Client should be able to edit destination

FR-13: Client should be able to delete destination

FR-14: Client should be able to make an account

FR-15: Client should be able to log out

FR-16: Client should be able to select a destination

FR-17: Client should be able to select a start date and a finish date for the Normal Request

FR-18: Client should be able to select a start date and a finish date for the Pilot Request

FR-19: Client should be able to select an available aircraft for the Normal Request and the request to be made

FR-20: Client should be able to select an available helicopter for the Pilot Request and the request to be made

FR-21: Client should be able to accept the normal request with a random pilot

FR-22: Client should be able to accept the normal request with the cheapest pilot

FR-23: Client should be able to accept the normal request with a manually picked pilot

FR-24: Client should be able to delete a rent

FR-25: Client should be able to delete a Pilot Request

FR-26: Client should be able to see their own salaries

Web (User)

1,5,14,15,16,17,18,19,20

Desktop (Pilot)

1,26

Desktop (Manager)

1,2,3,4,6,7,8,9,10,11,15,16,17,18,19,20,21,22,23,24,25

MSCW for FR(s):

-Must have:

- FR-01
- FR-02
- FR-04
- FR-06
- FR-07
- FR-10
- FR-11
- FR-13
- FR-14
- FR-15
- FR-16
- FR-17
- FR-19
- FR-23

-Should have:

- FR-03
- FR-05
- FR-08
- FR-09
- FR-12
- FR-18
- FR-20
- FR-21
- FR-22
- FR-24
- FR-25

-Could have:

- FR-26

-Wont have:

Use Cases

UC-01: Login

Covers: FR-01

Actor: Pilot/User/Manager

Pre-condition: Actor already has an account

Main Success Scenario

1. Actor goes to the login page
2. System asks for email and password
3. Actor inputs the required information and clicks the login button
4. Actor is logged in

Extensions:

4a. Actor inputs wrong credentials

1. System informs that there is no account associated with these credentials
2. Return to Main Success Scenario step 2

UC-02: add employee

Covers: FR-02

Actor: Admin

Pre-condition: logged in

Main Success Scenario

1. Actor goes to the employee section
2. System displays all employees
3. Actor clicks on add button
4. System displays the Add New Employee Form
5. Actor fills in the required information
6. Actor confirms
7. System confirms and saves the information

Extensions:

6a. Not all required information is filled in

1. System shows a message that says there is missing information

2. Return to main success scenario

UC-03: editing an employee

Covers: FR-03

Actor: Admin

Pre-condition: logged in

Main Success Scenario

1. Actor goes to the employee section
2. System displays all employees
3. Actor selects an employee
4. Actor clicks on edit button
5. System displays the Edit Form
6. Actor fills in the required information
7. Actor confirms

8. System confirms and saves the information

Extensions:

7a. Not all required information is filled in

1. System shows a message that says there is missing information
2. Return to main success scenario

UC-04: deleting an employee

Covers: FR-04

Actor: Admin

Pre-condition: logged in

Main Success Scenario

1. Actor goes to the employee section
2. System displays all employees
3. Actor selects an employee
4. Actor clicks on delete button
5. System displays a message that it was successfully deleted and displays the new list of medicine in the list box
6. Actor confirms

UC-05: view account info/edit

Covers: FR-05

Actor: Manager / User

Pre-condition: logged in

Main Success Scenario

1. Actor clicks and goes to the Account section
2. Actor fills in the required information
3. Actor confirms

Extensions:

3a. Not all required information is filled in or not filled in correctly

1. System shows a message that says there is missing information or wrong input

2. Return to main success scenario

UC-06: add helicopter

Covers: FR-06

Actor: Manager/Aircraft Manager

Pre-condition: logged in

Main Success Scenario

1. Actor goes to the aircraft section
2. System displays all aircrafts
3. Actor clicks on add button
4. System displays the Add New Helicopter Form
5. Actor fills in the required information
6. Actor confirms
7. System confirms and saves the information

Extensions:

6a. Not all required information is filled in

1. System shows a message that says there is missing information

2. Return to main success scenario

UC-07: add private jet

Covers: FR-07

Actor: Manager/Aircraft Manager

Pre-condition: logged in

Main Success Scenario

1. Actor goes to the aircraft section
2. System displays all aircrafts
3. Actor clicks on add button
4. System displays the Add New PrivateJet Form
5. Actor fills in the required information
6. Actor confirms
7. System confirms and saves the information

Extensions:

6a. Not all required information is filled in

1. System shows a message that says there is missing information

2. Return to main success scenario

UC-08: editing an helicopter

Covers: FR-08

Actor: Admin

Pre-condition: logged in

Main Success Scenario

9. Actor goes to the aircraft section
10. System displays all aircrafts
11. Actor selects an aircraft
12. Actor clicks on edit button
13. System displays the Edit Form
14. Actor fills in the required information
15. Actor confirms
16. System confirms and saves the information

Extensions:

7a. Not all required information is filled in

1. System shows a message that says there is missing information

2. Return to main success scenario

UC-08: editing an private jet

Covers: FR-08

Actor: Admin

Pre-condition: logged in

Main Success Scenario

1. Actor goes to the aircraft section
2. System displays all aircrafts
3. Actor selects an aircraft
4. Actor clicks on edit button
5. System displays the Edit Form
6. Actor fills in the required information
7. Actor confirms
8. System confirms and saves the information

Extensions:

7a. Not all required information is filled in

1. System shows a message that says there is missing information
2. Return to main success scenario

UC-10: deleting an aircraft

Covers: FR-10

Actor: Admin

Pre-condition: logged in

Main Success Scenario

1. Actor goes to the aircraft section
2. System displays all aircrafts
3. Actor selects an aircraft
4. Actor clicks on delete button
5. System displays a message that it was successfully deleted and displays the new list of medicine in the list box
6. Actor confirms

UC-11: add destination

Covers: FR-11

Actor: Admin

Pre-condition: logged in

Main Success Scenario

1. Actor goes to the destination section
2. System displays all destinations
3. Actor clicks on add button
4. System displays the Add New Destination Form
5. Actor fills in the required information
6. Actor confirms
7. System confirms and saves the information

Extensions:

6a. Not all required information is filled in

1. System shows a message that says there is missing information

2. Return to main success scenario

UC-12: editing a destination

Covers: FR-12

Actor: Admin

Pre-condition: logged in

Main Success Scenario

1. Actor goes to the destination section
2. System displays all destinations
3. Actor selects a destination
4. Actor clicks on edit button
5. System displays the Edit Form
6. Actor fills in the required information
7. Actor confirms
8. System confirms and saves the information

Extensions:

7a. Not all required information is filled in

1. System shows a message that says there is missing information

2. Return to main success scenario

UC-13: deleting a destination

Covers: FR-11

Actor: Admin

Pre-condition: logged in

Main Success Scenario

7. Actor goes to the destination section
8. System displays all destinations
9. Actor selects an destinations
10. Actor clicks on delete button
11. System displays a message that it was successfully deleted and displays the new list of destinations in the list box
12. Actor confirms

UC-14: creating an account

Covers: FR-14

Actor: User

Pre-condition:

Main Success Scenario

1. Actor accesses the website
2. They press the Log In button
3. They press the Create an account button
4. Actor fills the required information
5. Actor confirms
6. System is logging in the Actor and getting them to the home page

Extensions:

5a. Not all required information is filled in

1. System shows a message that says there is missing information
2. Return to main success scenario

UC-15: logging out

Covers: FR-15

Actor: User

Pre-condition: Logged in

Main Success Scenario

1. Actor accesses the website
2. They press the Log Out button
3. System is logging the Actor out and taking them to the Log in page

UC-16: Selecting a destination

Covers: FR-16

Actor: User

Pre-condition: Logged in

Main Success Scenario

1. Actor accesses the website
2. They press the Desintations button
3. From the list of Destinations they press on one of them
4. System is taking them to the Normal Request page

Extensions:

3a. Destination list is empty

1. There is no destination to choose

UC-17: Select a start date and a finish date

Covers: FR-17,FR-18

Actor: User

Pre-condition: Logged in; UC-16 is completed successfully

Main Success Scenario

1. Actor inserts in the start date
2. Actor inserts in the finish date
3. Actor confirms the two dates
4. System is showing the available aircrafts

Extensions:

1a. Date is not valid

1. System shows a message that says that the date is incorrect

2.Return to main success scenario

2a. Date is not valid

1. System shows a message that says that the date is incorrect

2.Return to main success scenario

UC-18: Select an available aircraft

Covers: FR-19, FR-20

Actor: User

Pre-condition: Logged in; UC-17 is completed successfully

Main Success Scenario

1. Actor selects from the list of aircrafts one of them
2. System is creating the request and shows a message on how the operation has been successful
3. System redirects Actor to the home page

Extensions:

1a. Aircraft list is empty

1. There is no aircraft to choose

UC-19: Confirm Normal Request with a random pilot

Covers: FR-21

Actor: Manager

Pre-condition: Logged in

Main Success Scenario

1. Actor goes to the request section
2. System displays the request form
3. Actor clicks on Request button
4. System displays the Normal Request Form
5. Actor chooses a normal Request from the list
6. Actor presses the button Random Confirm
7. System confirms the request with a random available pilot
8. System shows a confirmation message

Extensions:

5a. Normal Request list is empty

1. There is no normal request to choose

6a. There are no pilots to choose

1. System informs the Actor that there are no pilots available and asks if they want to delete the normal request
2. Actor chooses if they want to delete or not the normal request

UC-20: Confirm Normal Request with cheapest pilot

Covers: FR-22

Actor: Manager

Pre-condition: Logged in

Main Success Scenario

1. Actor goes to the request section
2. System displays the request form
3. Actor clicks on Request button
4. System displays the Normal Request Form
5. Actor chooses a normal Request from the list
6. Actor presses the button Cheapest Confirm
7. System confirms the request with a random available pilot
8. System shows a confirmation message

Extensions:

5a. Normal Request list is empty

2. There is no normal request to choose

6a. There are no pilots to choose

3. System informs the Actor that there are no pilots available and asks if they want to delete the normal request
4. Actor chooses if they want to delete or not the normal request

UC-21: Confirm Normal Request with manually picked pilot

Covers: FR-23

Actor: Manager

Pre-condition: Logged in

Main Success Scenario

1. Actor goes to the request section
2. System displays the request form
3. Actor clicks on Request button
4. System displays the Normal Request Form
5. Actor chooses a normal Request from the list
6. Actor presses the button Manual Confirm
7. System opens another form in which it shows the available pilots
8. Actor chooses a pilot from the list
9. Actor press the confirm button
10. System confirms the request with a random available pilot
11. System shows a confirmation message

Extensions:

5a. Normal Request list is empty

3. There is no normal request to choose

6a. There are no pilots to choose

5. System informs the Actor that there are no pilots available and asks if they want to delete the normal request
6. Actor chooses if they want to delete or not the normal request

UC-22: Delete Rent

Covers: FR-24

Actor: Manager

Pre-condition: Logged in

Main Success Scenario

1. Actor goes to the request section
2. System displays the request form
3. Actor clicks on Rent button
4. System displays the Rent Form
5. Actor chooses a rent from the list
6. Actor then presses the delete button
7. System deletes the Rent
8. System shows a confirmation message

Extensions:

6a. Rent list is empty

4. There is no rents to choose

UC-23: Delete Pilot Request

Covers: FR-25

Actor: Manager

Pre-condition: Logged in

Main Success Scenario

1. Actor goes to the request section
2. System displays the request form
3. Actor clicks on Rent button
4. System displays the Rent Form
5. Actor chooses a pilot request from the list
6. Actor then presses the delete button
7. System deletes the pilot request
8. System shows a confirmation message

Extensions:

6a. Pilot request list is empty

5. There is no pilot requests to choose

UC-24: Delete Pilot Request

Covers: FR-26

Actor: Pilot

Pre-condition: Logged in

Main Success Scenario

1. Actor loges in to the forms application
2. System opens the Pilot Form
3. Actor then presses the See Salary button
4. System calculates the salary
5. System shows the salary via a message