

Test Plan

Rizz-Air

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| Version 1 | Initial Version |
| Version 2 | Updated the test plan based on the feedback that I got from the teacher and on the final version of the project |

| Test Case ID | Use Case ID | Name | Precondition | Test Data | Expected Results |
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| TC-01 | UC-01 | Login | | Email: CorrectEmail Password: 123 | System checks if the credentials are correct and if so, then it opens the main page for the manager/admin |
| TC-02 | UC-01 | Login | | Email: IncorrectEmail Password: 123 | System checks if the credentials are correct and comes to the conclusion that they are not, so it shows a message that the credentials are incorrect |
| TC-03 | UC-02 | Add new employee | Admin or Employee Manager is logged in | First Name: Alin Last Name: Popescu Age: 21 Email: AliPop@gmail.com Password: password PhoneNumber: 0734294433 | Employee gets added to the database with an automatically generated ID and system shows a message for the successful addition |
| TC-04 | UC-02 | Add new employee | Admin or Employee Manager is logged in | First Name: Alin Last Name: Popescu Age: 21 Email: AliPopgmail.com Password: password PhoneNumber: 0734294433 | Employee addition should fail as the email is not a valid email address |

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| TC-05 | UC-02 | Add new employee | Admin or Employee Manager is logged in | First Name: Alin Last Name: Popescu Age: Email: AliPop@gmail.com Password: password PhoneNumber: 0734294433 | Employee addition should fail as one or more fields are missing |
| TC-06 | UC-02 | Add new employee | Admin or Employee Manager is logged in | First Name: Alin Last Name: Popescu Age: 21 Email: AliPop@gmail.com Password: password PhoneNumber: 0734abc4433 | Employee addition should fail as the phone number contains non-numeric characters |
| TC-07 | UC-02 | Add new employee | Admin or Employee Manager is logged in | First Name: Alin Last Name: Popescu Age: 21 Email: AliPop@gmail.com Password: password PhoneNumber: 073429443 | Employee addition should fail as the phone number is less than 10 digits |

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| TC-08 | UC-03 | Edit an Employee | Admin or Employee Manager is logged in | Name: Alex Popescu | After the Admin/Employee Manager changes the data in the fields and they press the "save" button, the changes will be executed by the system for that particular employee and it will inform the admin via a message on the screen. |
| TC-09 | UC-03 | Edit an Employee | Admin or Employee Manager is logged in | | No field is changed. After the "save" button has been pressed, the system will overwrite all the information. |
| TC-10 | UC-03 | Edit an Employee | Admin or Employee Manager is logged in | Age: ijidjioapkm | The information provided is not suitable for changes, so the system informs the admin via a message that the information is incorrect |
| TC-11 | UC-04 | Delete an Employee | Admin or Employee Manager is logged in | | From the list of employees, the admin/employee manager chooses a particular one, |

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| | | | | | then proceeds to press the “delete” button. Afterwards, system shows a message that the employee has been deleted successfully. |
| TC-12 | UC-06 | Add a new helicopter | Admin or Aircraft Manager is logged in | Name: Heli Age: 14 Weight: 7000 Range: 700 AverageSpeed: 300 Consumption: 35 PricePerDay: 400 | After the Admin, Aircraft Manager pressed the Create button, system is creating a new Helicopter with an unique ID and also they are notified that the creation was successful. |
| TC-13 | UC-06 | Add a new helicopter | Admin or Aircraft Manager is logged in | Name: Heli Age: 14 Weight: 7000 Range: AverageSpeed: 300 Consumption: 35 PricePerDay: 400 | Helicopter addition should fail as one or more fields are missing. System is showing a message with which field is missing. |
| TC-14 | UC-06 | Add a new helicopter | Admin or Aircraft Manager is logged in | Age: ty | Helicopter addition should fail as the age contains non-numeric characters |
| TC-15 | UC-06 | Add a new helicopter | Admin or Aircraft Manager is logged in | Weight: gh | Helicopter addition should fail as the weight contains non-numeric characters |
| TC-16 | UC-06 | Add a new helicopter | Admin or Aircraft | Range: hj | Helicopter addition should fail as the range |

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| | | | Manager is logged in | | contains non-numeric characters |
| TC-17 | UC-06 | Add a new helicopter | Admin or Aircraft Manager is logged in | AverageSpeed: sd | Helicopter addition should fail as the average speed contains non-numeric characters |
| TC-18 | UC-06 | Add a new helicopter | Admin or Aircraft Manager is logged in | Consumption: kj | Helicopter addition should fail as the consumption contains non-numeric characters |
| TC-19 | UC-06 | Add a new helicopter | Admin or Aircraft Manager is logged in | PricePerDay: jk | Helicopter addition should fail as the price per day contains non-numeric characters |
| TC-20 | UC-07 | Add a new private jet | Admin or Aircraft Manager is logged in | Name: Jety Age: 14 Weight: 7000 Range: 700 AverageSpeed: 300 Consumption: 35 SeatNumber : 20 | After the Admin, Aircraft Manager pressed the Create button, system is creating a new Private jet with an unique ID and also they are notified that the creation was successful. |
| TC-21 | UC-07 | Add a new private jet | Admin or Aircraft Manager is logged in | Name: Heli Age: 14 Weight: 7000 Range: AverageSpeed: 300 Consumption: 35 SeatNumber : 20 | Private jet addition should fail as one or more fields are missing. System is showing a message with which field is missing. |
| TC-22 | UC-07 | Add a new private jet | Admin or Aircraft | Age: ty | Private jet addition should fail as the age |

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| | | | Manager is logged in | | contains non-numeric characters |
| TC-23 | UC-07 | Add a new private jet | Admin or Aircraft Manager is logged in | Weight: gh | Private jet addition should fail as the weight contains non-numeric characters |
| TC-24 | UC-07 | Add a new private jet | Admin or Aircraft Manager is logged in | Range: hj | Private jet addition should fail as the range contains non-numeric characters |
| TC-25 | UC-07 | Add a new private jet | Admin or Aircraft Manager is logged in | AverageSpeed: sd | Private jet addition should fail as the average speed contains non-numeric characters |
| TC-26 | UC-07 | Add a new private jet | Admin or Aircraft Manager is logged in | Consumption: kj | Private jet addition should fail as the consumption contains non-numeric characters |
| TC-27 | UC-07 | Add a new private jet | Admin or Aircraft Manager is logged in | SeatNumber : fd | Private jet addition should fail as the seat number contains non-numeric characters |
| TC-28 | UC-08 | Edit a helicopter | Admin or Aircraft Manager is logged in | Name: Heli beli | After the Admin/Aircraft Manager changes the data in the fields and they |

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| | | | | | press the "save" button, the changes will be executed by the system for that particular employee and it will inform the admin via a message on the screen. |
| TC-29 | UC-08 | Edit a helicopter | Admin or Aircraft Manager is logged in | | No field is changed. After the "save" button has been pressed, the system will overwrite all the information. |
| TC-30 | UC-08 | Edit a helicopter | Admin or Aircraft Manager is logged in | Age: ijjidjioapkm | The information provided is not suitable for changes, so the system informs the admin via a message that the information is incorrect |
| TC-31 | UC-09 | Edit a private jet | Admin or Aircraft Manager is logged in | Name: Jety yeti | After the Admin/Aircraft Manager changes the data in the fields and they press the "save" button, the changes will be executed by the system for that particular employee and it will inform the admin via a message on the screen. |

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| TC-32 | UC-09 | Edit a private jet | Admin or Employee Manager is logged in | | No field is changed. After the “save” button has been pressed, the system will overwrite all the information. |
| TC-33 | UC-09 | Edit a private jet | Admin or Employee Manager is logged in | Age: ijidjioapkm | The information provided is not suitable for changes, so the system informs the admin via a message that the information is incorrect |
| TC-34 | UC-10 | Delete an aircraft | Admin or Aircraft Manager is logged in | | From the list of employees, the admin/ Aircraft manager chooses a particular one, then proceeds to press the “delete” button. Afterwards, system shows a message that the aircraft has been deleted successfully. |
| TC-35 | UC-11 | Add a destination | Admin or Destination Manager is logged in | Name: Barcelona Distance: 450 | After the Admin, Destination Manager pressed the Create button, system is creating a new Destination with a unique ID |

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| | | | | | and also they are notified that the creation was successful. |
| TC-36 | UC-11 | Add a destination | Admin or Destination Manager is logged in | Name: Barcelona | Destination cannot be created because there is already a destination with this name in the database |
| TC-37 | UC-11 | Add a destination | Admin or Destination Manager is logged in | Name: Barcelona Distance: | Destination cannot be created because not all fields are filled in. System notifies the user accordingly. |
| TC-38 | UC-11 | Add a destination | Admin or Destination Manager is logged in | Distance: dadaw | Destination addition should fail as the distance contains non-numeric characters |
| TC-39 | UC-11 | Add a destination | Admin or Destination Manager is logged in | Distance: 400000 | Destination addition should fail as the distance passes the maximum allowed distance |
| TC-40 | UC-12 | Edit a destination | Admin or Aircraft Manager is logged in | Name: Madrid | After the Admin/Destination Manager changes the data in the fields and they press the "save" button, the changes will be executed by the system for that particular employee and it will inform the admin via a message on the screen. |

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| TC-41 | UC-12 | Edit a destination | Admin or Destination Manager is logged in | | No field is changed. After the “save” button has been pressed, the system will overwrite all the information. |
| TC-42 | UC-12 | Edit a destination | Admin or Destination Manager is logged in | Distance: ijjidjioapkm | The information provided is not suitable for changes, so the system informs the admin via a message that the information is incorrect |
| TC-43 | UC-13 | Delete a destination | Admin or Destination Manager is logged in | | From the list of employees, the admin/ Destination manager chooses a particular one, then proceeds to press the “delete” button. Afterwards, system shows a message that the destination has been deleted successfully. |
| TC-44 | UC-14 | Make an account | | Email: 02bogdi18@gmail.com LastName: Andreescu FirstName: Bogdan DateOfBirth: 18-08-2002 Password: 12345 License: True | After the input is being done, the system checks if the variables are correct and at the end the account is being created, taking the user to the home page. |

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| TC-45 | UC-14 | Make an account | | Email: 02bogdi18@gmail.com LastName: Andreescu FirstName: DateOfBirth: 18-08-2002 Password: 12345 License: True | Account addition should fail as one or more fields are missing. System is showing a message with which field is missing. |
| TC-46 | UC-14 | Make an account | | Email: bademail.com | User addition should fail as the email is not a valid email address |
| TC-46 | UC-14 | Make an account | | Email: bademail.com | User addition should fail as the email is not a valid email address |
| TC-47 | UC-14 | Make and account | | DateOfBirth: 9-08-2020 | User addition should fail as the date of birth is not at least 18 years old |
| TC-48 | UC-14 | Make and account | | Password: 12 | User addition should fail as the password is less than 5 characters |
| TC-49 | UC-15 | Log out | User is logged in | | System is logging out the user and taking him to the login page |
| TC-50 | UC-16 | Select destination | User is logged in | | After selecting one of the destinations from the list, system is taking them to the normal request page having the destination ID in mind |

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| TC-51 | UC-17 | Select start date and finish date | User is logged in | StartDate: 12-01-2024 FinishDate: 13-01-2024 | System is checking the dates and after confirming is showing the available aircraft |
| TC-52 | UC-17 | Select start date and finish date | User is logged in | StartDate: 13-01-2024 FinishDate: 13-01-2024 | The check up for the dates fails because the dates are not at least one day apart |
| TC-53 | UC-17 | Select start date and finish date | User is logged in | StartDate: 11-01-2024 FinishDate: 13-01-2024 | The check up for the dates fails because the start date is before the current date |
| TC-54 | UC-18 | Select start date and finish date | User is logged in with a license | StartDate: 12-01-2024 FinishDate: 13-01-2024 | System is checking the dates and after confirming is showing the available helicopters |
| TC-55 | UC-18 | Select start date and finish date | User is logged in with a license | StartDate: 13-01-2024 FinishDate: 13-01-2024 | The check up for the dates fails because the dates are not at least one day apart |
| TC-56 | UC-18 | Select start date and finish date | User is logged in with a license | StartDate: 11-01-2024 FinishDate: 13-01-2024 | The check up for the dates fails because the start date is before the current date |
| TC-57 | UC-19 | Select an aircraft for Normal Request | User is logged in; Dates have been selected | | After an aircraft from the available aircrafts is selected, system is creating the normal request and taking the user to the home page |
| TC-58 | UC-20 | Select a helicopter for Pilot Request | User is logged in with a license ; Dates have been selected | | After a helicopter from the available aircrafts is selected, system is creating the normal request and taking |

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| | | | | | the user to the home page |
| TC-59 | UC-21 | Accept normal Request with random pilot | Admin/Request Manager is logged in. A normal Request is already created. | | System checks if there are any pilots available and picks one at random. After that it assigns it to the request and creates a rent. System is showing a confirmation message |
| TC-60 | UC-21 | Accept normal Request with random pilot | Admin/Request Manager is logged in. A normal Request is already created. | No pilots available | System checks if there are any pilots available and sees that there is none available. System informs the admin/request manager that there is no pilot available and asks if they want to delete the request or not |
| TC-61 | UC-22 | Accept normal Request with cheapest pilot | Admin/Request Manager is logged in. A normal Request is already created. | | System checks if there are any pilots available and picks the cheapest one. After that it assigns it to the request and creates a rent. System is showing a confirmation message. |

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| TC-62 | UC-22 | Accept normal Request with cheapest pilot | Admin/Request Manager is logged in. A normal Request is already created. | No pilots available | System checks if there are any pilots available and sees that there is none available. System informs the admin/request manager that there is no pilot available and asks if they want to delete the request or not |
| TC-63 | UC-23 | Accept normal Request with manually picked pilot | Admin/Request Manager is logged in. A normal Request is already created. | | System checks if there are any pilots available and then proceeds to open a form in which it shows all the available pilots for that request. The admin/request manager then picks one of them and presses the confirm button. After that, system assigns the pilot to the request and creates a rent. System is showing a confirmation message. |
| TC-64 | UC-23 | Accept normal Request with manually picked pilot | Admin/Request Manager is logged in. A normal Request is already created. | No pilots available | System checks if there are any pilots available and sees that there is none available. System informs the admin/request manager that there is no pilot available and asks if they want to delete the request or not |

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| TC-65 | UC-24 | Delete a rent | Admin/Request Manager is logged in. | | After the Admin/Request manager is selecting a rent from the list, they proceed to press the delete button. System is deleting the rent from the database. System shows a confirmation message. |
| TC-66 | UC-25 | Delete a pilot request | Admin/Request Manager is logged in. | | After the Admin/Request manager is selecting a pilot request from the list, they proceed to press the delete button. System is deleting the pilot request from the database. System shows a confirmation message. |
| TC-67 | UC-26 | See their own salary | Pilot is logged in | | After the pilot presses on the Get Salary button, system is calculating the salary that he is going to have and shows it on the screen. |