**Person Management**

Add employee functionality.

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| Step No: | Test Cases | Test Data | Expected Result | Actual Result | Status(Pass/Fail) |
| 1. | Add employee with invalid ID | Enter no ID or  Enter string for ID | Error Message | Error message “Please enter a number for employee ID” | Pass |
| 2. | Add employee with invalid inputs | Empty fields | Error Message | Error message “Please enter missing details” | Pass |
| 3. | Add employee with valid inputs | Enter ID = 1,  Name = “Sanket”  Date of Birth = 20/01/97  Address = “Auckland”  Role = admin  Telephone = “12345”  Office Address = “Manukau”  Phone = “10000”  Username = “Sanket”  Password = “pas123” | Confirmation message | Message “Employee data added successfully” | Pass |
| 4. | Add employee with office address missing | Enter ID = 2,  Name = “Hirani”  Date of Birth = 14/07/99  Address = “Auckland”  Role = staff  Telephone = “4567”  Phone = “00001”  Username = “Hirani”  Password = “pas01”  Office Address = leave empty | Confirmation message | Message “Employee data added successfully” | Pass |

Search Person Functionality

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| Step No: | Test Cases | Test Data | Expected Result | Actual Result | Status(Pass/Fail) |
| 1. | Search person with invalid ID | * Enter string for ID * Leave enter ID field empty. | Error Message | Error message “Please enter a number for person ID” | Pass |
| 2. | Search with valid ID number not existing | Enter ID = 5 | No results message | A message, ”No person found with the ID entered” | Pass |
| 3. | Search person with valid ID | Enter ID = 1 | Display person details | Person details displayed in the right text fields | Pass |

Update Person Functionality

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| Step No: | Test Cases | Test Data | Expected Result | Actual Result | Status(Pass/Fail) |
| 1. | **All Search cases included.** |  |  |  |  |
| 2. | Update any employee information | * Enter ID = 1 * Update phone number from “10000” to “022123” | Confirmation message | A message, “Employee details updated successfully”. | Pass |

**Stock Management**

Add Car Functionality

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| Step No: | Test Cases | Test Data | Expected Result | Actual Result | Status(Pass/Fail) |
| 1. | Add car with invalid inputs | Empty fields | Error message | Error message, “Please enter missing details” | Pass |
| 2. | Add car with invalid data types | Enter registration number = “ABC123”  Make = “Toyota”  Model = “Hilux”  Transmission = Manual  WOF due date = 24/05/18  Rego due date = 22/08/18  Colour = “Black”  Status = Available  Body type = SUV  Year of manufacture = “**az**” Engine Size = “**Z**”  Rent per day = “**abc**” | Error message | Error message “Please enter number values for invalid details” | Pass |
| 3. | Add car with valid details | Enter registration number = “ABC123”  Make = “Toyota”  Model = “Hilux”  Transmission = Manual  Engine Size = 2.8  Rent per day = 120  WOF due date = 24/05/18  Rego due date = 22/08/18  Year of manufacture = 2016  Colour = “Black”  Status = Available  Body type = SUV | Confirmation message | Message, “Car added successfully” | Pass |

Search Available cars

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| Step No: | Test Cases | Test Data | Expected Result | Actual Result | Status(Pass/Fail) |
| 1. | Search cars when no cars available for rent | Search car before adding new car details | No results message | Message, ”No cars available for rent” | Pass |
| 2. | Search cars with cars available for rent | Search car after adding a new car | Display details for all cars available for rent | Car details displayed on table in their relevant columns | Pass |

Show all cars functionality

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| Step No: | Test Cases | Test Data | Expected Result | Actual Result | Status(Pass/Fail) |
| 1. | Search cars when no car in stock | Search car before adding new car details | No results message | Message, ”No cars in stock” | Pass |
| 2. | Search cars | Search car after adding a new car | Display details for all cars available for rent | Car details displayed on table in their relevant columns | Pass |

Search by year of manufacture functionality

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| Step No: | Test Cases | Test Data | Expected Result | Actual Result | Status(Pass/Fail) |
| 1. | Search car with invalid year of manufacture | * Enter string for year of manufacture * Leave year of manufacture field empty. | Error Message | Error message “Please enter year of manufacture in numbers” | Pass |
| 2. | Search with valid year of manufacture(No cars having this year of manufacture) | Enter year of manufacture = 2018 | No results message | Message, “Sorry no cars found with the year of manufacture entered ” | Pass |
| 3. | Search with valid year of manufacture | Enter year of manufacture = 2016 | Display car details | Cars details displayed on table with in their relevant columns | Pass |

Search and update car details functionality

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| Step No: | Test Cases | Test Data | Expected Result | Actual Result | Status(Pass/Fail) |
| 1. | Search with invalid data | Leave car registration number field empty | Error Message | Error message “Please enter car registration number” | Pass |
| 2. | Search with non-existing registration number | Enter car registration number = “1” | No results message | A message, ”No car found with registration number entered” | Pass |
| 3. | Search person with valid registration number | Enter ID = “ABC123” | Display car details | Car details displayed in relevant text fields | Pass |
| 4. | Update car status incorrectly | * Update status from available to rented * Update status from rented to either available or under maintenance | Error message | Error message, “Sorry car status cannot be updated” | Pass |
| 5. | Update car with valid details | Update rent per day from 120 to 105 | Confirmation message | Message, “Car details updated successfully” | Pass |

**Rental Management**

Rent car functionality

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| Step No: | Test Cases | Test Data | Expected Result | Actual Result | Status(Pass/Fail) |
| 1. | Rent car with invalid data | Leave all fields empty | Error message | Error message, “Please enter missing details” | Pass |
| 2. | Rent car to a new customer with invalid data type | Enter ID = “a”  Age = “abc” | Error message | Error message, “Please enter only numbers for ID and age fields” | Pass |
| 3. | Enter non – existing car registration number | Enter registration number = “xyz” | Error message | Error message, “No car found with registration number entered” | Pass |
| 4. | Rent car with valid details | Enter  Car registration number = “ABC123”  Due date = 18/09/17  ID = 3  Name = “Harry”  Date of birth = 4/01/90  Address = “Auckland”  Telephone number = “1001”  Licence number = “C4587T”  Age = 27  Licence expiry = 18/06/20 | Confirmation message | Message, “Car rented successfully” | Pass |
| 5. | Rent car not available for rent | Enter  Customer ID = 3  Car registration number = “ABC123”  Due date = 19/09/17 | Error message | Message, “Sorry this car is not available for renting” | Pass |

Return car functionality

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| Step No: | Test Cases | Test Data | Expected Result | Actual Result | Status(Pass/Fail) |
| 1. | Return car with invalid car registration number | Leave car registration number field empty | Error message | Error message, ”Please enter car registration number ” | Pass |
| 2. | Return car with non-existing registration number | Enter car registration number = “123” | Error message | Error message, “No car with registration number” | Pass |
| 3. | Return car with valid registration number | Enter car registration number = “ABC123” | Confirmation message | Message, ”Car returned successfully” | Pass |

Search customer rentals

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| Step No: | Test Cases | Test Data | Expected Result | Actual Result | Status(Pass/Fail) |
| 1. | Return car with invalid car registration number | Leave car registration number field empty | Error message | Error message, ”Please enter car registration number ” | Pass |
| 2. | Return car with non-existing registration number | Enter car registration number = “123” | Error message | Error message, “No car with registration number” | Pass |
| 3. | Return car with valid registration number | Enter car registration number = “ABC123” | Confirmation message | Message, ”Car returned successfully” | Pass |

Search customer rentals functionality

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| Step No: | Test Cases | Test Data | Expected Result | Actual Result | Status(Pass/Fail) |
| 1. | Search with invalid customer ID | * Enter no ID * Enter string for customer ID | Error message | Error message, ”Please enter a number for customer ID” | Pass |
| 2. | Search customer with valid ID | Enter ID = 3 | Display rental details | Rental details displayed on table in their relevant columns | Pass |