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| --- | --- | --- | --- |
| **Identifier** | | UC-01 | |
| **Name** | | Login | |
| **Summary** | | |  | | --- | | The user logs into the system. |  |  | | --- | |  | | |
| **Priority** | | High | |
| **Actors** | | User | |
| **Pre-condition(s)** | | User must have valid credentials. | |
| **Post-condition(s)** | | The user is successfully logged in. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | User enters login credentials. | | System verifies the credentials. |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Credentials invalid | | system prompts to re-enter. |

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| --- | --- | --- | --- |
| **Identifier** | | UC-02 | |
| **Name** | | Add a Brand and its info | |
| **Summary** | | Admin adds a new car brand and details. | |
| **Priority** | | Medium | |
| **Actors** | | Admin | |
| **Pre-condition(s)** | | Admin is logged in. | |
| **Post-condition(s)** | | Brand is added to the system. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Admin selects the option to add a brand. | | System verifies and adds the brand to the database. |
| **2** | Admin fills in the brand details | | System verifies and adds the brand to the database. |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Invalid details | | system prompts to correct the input. |

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| --- | --- | --- | --- |
| **Identifier** | | UC-03 | |
| **Name** | | List All Brands | |
| **Summary** | | The system displays all available brands. | |
| **Priority** | | Medium | |
| **Actors** | | Admin, User | |
| **Pre-condition(s)** | | The user must be logged in and brand must be added | |
| **Post-condition(s)** | |  | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | User selects the option to list all brands. | | System retrieves and displays the list. |
|  |  | |  |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** |  | | System unable to retrieve data; prompts an error message. |
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| --- | --- | --- | --- |
| **Identifier** | | UC-04 | |
| **Name** | | Add Cars and its info | |
| **Summary** | | Admin adds new car details to the system. | |
| **Priority** | | Medium | |
| **Actors** | | Admin | |
| **Pre-condition(s)** | | Admin is logged in. | |
| **Post-condition(s)** | | Car information is added to the system. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Admin selects the option to add a car. | |  |
| **2** | Admin enters the car's details. | | System verifies and adds the car details to the database. |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Input again | | system prompts to correct the input. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Identifier** | | UC-05 | |
| **Name** | | List All Cars | |
| **Summary** | | Displays a list of all cars in the system. | |
| **Priority** | | Medium | |
| **Actors** | | Admin, User | |
| **Pre-condition(s)** | | User must be logged in and cars added | |
| **Post-condition(s)** | | A list of all cars is displayed. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | User selects the option to list all cars. | | System retrieves and displays the list. |
|  |  | |  |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** |  | | System fails to retrieve data; prompts an error message. |

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| --- | --- | --- | --- |
| **Identifier** | | UC-06 | |
| **Name** | | Add Salesman and his info | |
| **Summary** | | Admin adds new salesman details. | |
| **Priority** | | Medium | |
| **Actors** | | Admin | |
| **Pre-condition(s)** | | Admin is logged in. | |
| **Post-condition(s)** | | Salesman info is successfully added. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Admin selects the option to add a salesman. | |  |
| **2** | Admin fills in the salesman details | | The system verifies and adds the details to the database. |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Invalid details | | system prompts to correct the input. |

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| --- | --- | --- | --- |
| **Identifier** | | UC-07 | |
| **Name** | | List All Salesman | |
| **Summary** | | Displays a list of all salesmen. | |
| **Priority** | | Medium | |
| **Actors** | | Admin, User | |
| **Pre-condition(s)** | | User/Admin must be logged in. | |
| **Post-condition(s)** | | A list of all salesmen is displayed. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | User selects the option to list all salesmen. | | System retrieves and displays the list. |
|  |  | |  |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Try later | | System fails to retrieve data; prompts an error message. |

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| --- | --- | --- | --- |
| **Identifier** | | UC-08 | |
| **Name** | | Place Order | |
| **Summary** | | User places an order for a car and selects various details (brick info, car, salesman). | |
| **Priority** | | High | |
| **Actors** | | Admin | |
| **Pre-condition(s)** | | Admin is logged in and selects valid products. | |
| **Post-condition(s)** | | The order is placed successfully. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | User selects brick info with quantity and price. | |  |
| **2** | User selects a car and a salesman. | |  |
| **3** | User enters the sale price and confirms the order. | | System verifies the details and processes the order. |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Place order again | | Invalid selection or missing details; system prompts the user to correct the input. |

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| --- | --- | --- | --- |
| **Identifier** | | UC-09 | |
| **Name** | | Print Receipt | |
| **Summary** | | After placing an order, the system prints a receipt. | |
| **Priority** | | Low | |
| **Actors** | | Owner | |
| **Pre-condition(s)** | | Order has been placed successfully. | |
| **Post-condition(s)** | | Receipt is printed. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | User selects the option to print receipt. | | System generates and prints the receipt. |
|  |  | |  |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | prompts user to retry. | | Printer error or system unable to generate receipt |

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| **Identifier** | | UC-10 | |
| **Name** | | Update Data DB or Server | |
| **Summary** | | System updates the database or server with the latest changes (car, brand, salesman, etc.). | |
| **Priority** | | High | |
| **Actors** | | System | |
| **Pre-condition(s)** | | Changes have been made (e.g., car or salesman added/updated). | |
| **Post-condition(s)** | | Data is successfully updated in the database. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | System detects changes that need to be updated. | | System pushes the updates to the database or server. |
|  |  | |  |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | attempts to retry or rollback. | | System encounters an error during the update |

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| **Identifier** | | UC-11 | |
| **Name** | | Verify Credentials | |
| **Summary** | | System verifies the login credentials of a user during the login process. | |
| **Priority** | | High | |
| **Actors** | | System | |
| **Pre-condition(s)** | | User must provide valid credentials. | |
| **Post-condition(s)** | | Credentials are verified, and access is granted. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | User enters login credentials. | | System checks the credentials against the database. If valid, user is granted access to the system. |
|  |  | |  |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Try again | | system denies access and prompts for re-entry. |

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| --- | --- | --- | --- |
| **Identifier** | | UC-12 | |
| **Name** | | Add Brick Types | |
| **Summary** | | Admin adds different types of bricks into the system, including quantity and price. | |
| **Priority** | | Medium | |
| **Actors** | | Owner | |
| **Pre-condition(s)** | | Admin is logged in. | |
| **Post-condition(s)** | | Brick types are successfully added to the system. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Admin selects the option to add brick types. | |  |
| **2** | Admin enters brick type details (e.g., quantity, price). | | System verifies and adds the brick type information. |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Invalid details | | system prompts to correct the input. |

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| --- | --- | --- | --- |
| **Identifier** | | UC-13 | |
| **Name** | | Edit Item’s Info | |
| **Summary** | | Admin updates or modifies item(salesman,car,brand) details in the system. | |
| **Priority** | | Medium | |
| **Actors** | | Admin | |
| **Pre-condition(s)** | | Admin must be logged in, and the item must exist. | |
| **Post-condition(s)** | | Item’s details are updated in the system. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Admin selects an item to edit. | |  |
| **2** | Admin modifies the item’s details. | | System updates the item info in the database. |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Invalid details | | system prompts to correct the input. |

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| --- | --- | --- | --- |
| **Identifier** | | UC-14 | |
| **Name** | | Select the Brick info with Quantity and Price | |
| **Summary** | | User selects the type of brick, along with its quantity and price, during the order process. | |
| **Priority** | | Medium | |
| **Actors** | | Admin | |
| **Pre-condition(s)** | | User must be logged in and ready to place an order. | |
| **Post-condition(s)** | | Brick info is selected and added to the order. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | User selects the brick type from available options. | |  |
| **2** | User enters the quantity and reviews the price. | | System confirms the selection and adds it to the order. |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Invalid details | | system prompts to correct the input. |

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| --- | --- | --- | --- |
| **Identifier** | | UC-15 | |
| **Name** | | Select a Car with its Charges | |
| **Summary** | | User selects a car and its associated charges during the order process. | |
| **Priority** | | Medium | |
| **Actors** | | Admin | |
| **Pre-condition(s)** | | User must be logged in and ready to place an order. | |
| **Post-condition(s)** | | Car and charges are added to the order. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | User selects a car from the available options. | |  |
| **2** | User reviews the associated charges. | | System adds the car and its charges to the order. |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Invalid details | | system prompts to correct the input. |

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| --- | --- | --- | --- |
| **Identifier** | | UC-16 | |
| **Name** | | Enter Sale Price | |
| **Summary** | | User enters the final sale price during the order placement process. | |
| **Priority** | | Medium | |
| **Actors** | | Admin | |
| **Pre-condition(s)** | | User must be logged in and entering order details. | |
| **Post-condition(s)** | | Sale price is successfully entered. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | User enters the sale price. | | System verifies the sale price is valid and adds it to the order |
|  |  | |  |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Invalid details | | system prompts to correct the input. |

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| --- | --- | --- | --- |
| **Identifier** | | UC-17 | |
| **Name** | | Select Salesman | |
| **Summary** | | User selects a salesman to finalize the order process. | |
| **Priority** | | Medium | |
| **Actors** | | Admin | |
| **Pre-condition(s)** | | User must be logged in and entering order details. | |
| **Post-condition(s)** | | Salesman is selected and linked to the order. | |
| **Typical Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | User selects a salesman from the list. | | System verifies the selection and assigned to the order |
|  |  | |  |
| **Alternate Course of Action** | | | |
| **S#** | **Actor Action** | | **System Response** |
| **1** | Invalid details | | system prompts to correct the input. |