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| Name | Log in |
| ID | Uc\_1 |
| Actor | User: the seller and the buyer |
| Brief Description | This use case describes how a user logs in  Car buying and selling website registration system.  The actors initiating this use case are the seller and the buyer |
| Flow of Events | The use case begins when the actor types his/her name and password on the login form.  The system validates the actor’s password and logs him/her into the system.  The system displays the Main Form and the use case ends. |
| Alternative Flows | Invalid Name / Password  If in the basic flow the system cannot find the name or the password is invalid, an error message is displayed. The actor can type in a new name or password |
| Pre-Conditions | There are no pre-conditions associated with this use case. |
| Post-Conditions | There are no post-conditions associated with this use case |

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| --- | --- |
| Name | Search |
| ID | Uc\_2 |
| Actor | User: the seller and the buyer |
| Brief Description | allows users to search for cars based on various criteria, such as make, model, year, price range, and other specifications. |
| Flow of Events | Users access the search page, enter their desired search criteria, and submit the search request. The car website validates the input, The search results are displayed, providing a summary of each car's details. |
| Alternative Flows | If no results are found, users can modify their search criteria and try again. In case of errors, appropriate error messages are displayed |
| Pre-Conditions | log in |
| Post-Conditions | The user is presented with a list of cars that match the specified search criteria. |

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| --- | --- |
| Name | Compare |
| ID | Uc\_3 |
| Actor | User: the seller and the buyer |
| Brief Description | enables users to compare multiple cars side by side to evaluate their features, specifications, and prices. It provides a convenient way for users to make informed decisions by comparing the attributes of different cars. |
| Flow of Events | The user selects multiple cars from the search results or car listing page to initiate the comparison process.  The user clicks on the "Compare" button or a similar action to start the comparison.  The car website retrieves the detailed information for the selected cars  The user can analyze and evaluate the compared attributes of each car to make a well-informed decision.  The user can add or remove cars from the comparison set as needed. |
| Alternative Flows | If the user does not select multiple cars for comparison, the car website may display a message indicating that at least two cars need to be selected for comparison.  If there are no cars selected for comparison or the user removes all cars from the comparison set, the car website may display an empty comparison view with a message indicating that no cars are currently being compared.  Postconditions: |
| Pre-Conditions | Choose cars from the search to compare them |
| Post-Conditions | Buy the best chose for him |

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| --- | --- |
| Name | Buy |
| ID | Uc\_4 |
| Actor | User: the buyer |
| Brief Description | The buyer write |
| Flow of Events | Users access the search page, enter their desired search criteria, and submit the search request. The car website validates the input, The search results are displayed, roviding a summary of each car's details. |
| Alternative Flows | If no results are found, users can modify their search criteria and try again. In case of errors, appropriate error messages are displayed |
| Pre-Conditions | log in |
| Post-Conditions | The user is presented with a list of cars that match the specified search criteria. |

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| --- | --- |
| Name | Sell |
| ID | Uc\_5 |
| Actor | User: the seller |
| Brief Description | The seller writes the specifications of his car and its price |
| Flow of Events | The use case begins when the actor types his/her name and password on the login form.  The system validates the actor’s password and logs him/her into the system.  The system displays the Main Form and the use case ends. |
| Alternative Flows | Invalid Name / Password  If in the basic flow the system cannot find the name or the password is invalid, an error message is displayed. The actor can type in a new name or password |
| Pre-Conditions | There are no pre-conditions associated with this use case. |
| Post-Conditions | There are no post-conditions associated with this use case |

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| --- | --- |
| Name | Contact |
| ID | Uc\_6 |
| Actor | User: the seller and the buyer |
| Brief Description | enables users to initiate contact with the car website administrators or customer support team. |
| Flow of Events | The user is presented with contact options, such as an online contact form, live chat, or contact information (email, phone number) for direct communication.  The car website administrators or customer support team respond to the user's contact request or message in a timely manner, providing the necessary assistance, information, or resolution.  9. The user receives the response from the car website administrators or customer support team |
| Alternative Flows | If the user encounters any issues or difficulties while using the contact functionality, the car website may provide alternative contact options, such as a different email address or an alternative contact form. |
| Pre-Conditions | Buying or selling the car |
| Post-Conditions | The car website administrators or customer support team receive and respond to the user's contact request or message. |