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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<br>Car buying and selling website registration system.<br>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.<br>The system validates the actor's password and logs him/her into the system.<br>The system displays the Main Form and the use case ends. |
| Alternative Flows | Invalid Name / Password<br>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  |

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| 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    | <p>The user selects multiple cars from the search results or car listing page to initiate the comparison process.</p> <p>The user clicks on the "Compare" button or a similar action to start the comparison.</p> <p>The car website retrieves the detailed information for the selected cars</p> <p>The user can analyze and evaluate the compared attributes of each car to make a well-informed decision.</p> <p>The user can add or remove cars from the comparison set as needed.</p> |
| Alternative Flows | <p>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.</p> <p>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.</p> <p>Postconditions:</p>  |
| 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 |

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| 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    | <p>The use case begins when the actor types his/her name and password on the login form.</p> <p>The system validates the actor's password and logs him/her into the system.</p> <p>The system displays the Main Form and the use case ends.</p> |
| Alternative Flows | <p>Invalid Name / Password</p> <p>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</p>  |
| 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    | <p>The user is presented with contact options, such as an online contact form, live chat, or contact information (email, phone number) for direct communication.</p> <p>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.</p> <p>9. The user receives the response from the car website administrators or customer support team</p> |
| 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.  |