**Module I**

**Use Cases**

1. Quick search for car
2. Advanced search for car
3. View car
4. Register car
5. Edit car
6. Register user
7. Login
8. Search user
9. Edit user
10. Change user privacy level
11. View user data
12. React to a car
13. Mark car as favorite
14. View garage
15. Remove car from garage

**Use Case Description**

**Use case 1**

|  |  |  |
| --- | --- | --- |
| UC Name | Quick search for car | |
| Brief description | User search for a car by car name. | |
| Actors | User | |
| Normal Flow of Events | User | System |
|  | 1. In the main page, user inserts the name of a car in the search box, and click on the search button. | 1. System displays a list with all cars with the name inserted by the user. |

**Use case 2**

|  |  |  |
| --- | --- | --- |
| UC Name | Advanced search for car | |
| Brief description | User search for a car using advanced filters. | |
| Actors | User | |
| Normal Flow of Events | User | System |
|  | 1. In the main page, user clicks on advanced search. | 1. System displays advanced search frame. |
|  | 1. User select filters from frame and click on the search button. | 1. System displays a list with all cars with the filters selected by the user. |

**Use case 3**

|  |  |  |
| --- | --- | --- |
| UC Name | View car | |
| Brief description | User views a car displayed by the system | |
| Actors | User | |
| Normal Flow of Events | User | System |
|  | 1. User select a car from the list of cars displayed by the system. | 1. System displays page of that specific car. |

**Use case 4**

|  |  |  |
| --- | --- | --- |
| UC Name | Register car | |
| Brief description | Moderator registers a new car into the system | |
| Actors | Moderator | |
| Normal Flow of Events | Moderator | System |
|  | 1. Moderator clicks on the register car button. | 1. System displays a page with form to input new car to the system. |
|  | 1. Moderator fill up the form with the required fields. | 1. System checks if name, year and model is not already on the system. |
|  |  | 1. If the car inserted is already on the system, system show an error message saying that car already exists, otherwise, system saves the new car and display a successful message. |

**Use case 5**

|  |  |  |
| --- | --- | --- |
| UC Name | Edit car | |
| Brief description | Moderator | |
| Actors | Moderator | |
| Normal Flow of Events | Moderator | System |
|  | 1. Moderator clicks on the edit car button. | 1. System displays car page on edit mode. |
|  | 1. Moderator changes the desired information about a car. | 1. System checks if new data is valid. |
|  |  | 1. If data is not valid, system show an error message, otherwise, system saves the new information and display successful message. |

**Use case 6**

|  |  |  |
| --- | --- | --- |
| UC Name | Register user | |
| Brief description | Moderator registers a new user into the system | |
| Actors | Moderator | |
| Normal Flow of Events | Moderator | System |
|  | 1. Moderator or Admin clicks on the register user button. | 1. System displays page with form to input new user to the system. |
|  | 1. Moderator fill up the form with the required fields. | 1. System checks if first name and last name is not already on the system. |
|  |  | 1. If the user inserted is already on the system, system show an error message saying that user already exists, otherwise, If not, system saves the new user and display a successful message |

**Use case 7**

|  |  |  |
| --- | --- | --- |
| UC Name | Login | |
| Brief description | User login into system | |
| Actors | User | |
| Normal Flow of Events | User | System |
|  | 1. In the main page, user inserts the user name and password and clicks on login button | 1. System logins user. |

**Use case 8**

|  |  |  |
| --- | --- | --- |
| UC Name | Search user | |
| Brief description | Moderator search for a user | |
| Actors | Moderator | |
| Normal Flow of Events | Moderator | System |
|  | 1. In the main page, moderator inserts the name of a user in the search box, and click on the search button. | 1. System displays a list with all users with the name inserted by the moderator. |

**Use case 9**

|  |  |  |
| --- | --- | --- |
| UC Name | Edit user | |
| Brief description | Moderator edits a selected user | |
| Pre-condition | Moderator must be on the view user page. | |
| Actors | Moderator | |
| Normal Flow of Events | Moderator | System |
|  | 1. Moderator clicks on the edit user button. | 1. System displays user page on edit mode. |
|  | 1. Moderator changes the desired information about a user. | 1. System checks if new data is valid. |
|  |  | 1. If data is not valid, system show an error message, otherwise, system saves the new information and display successful message. |

**Use case 10**

|  |  |  |
| --- | --- | --- |
| UC Name | Change user privacy level | |
| Brief description | Admin changes privacy level of a user. | |
| Pre-condition | Admin must be on the view user page. | |
| Actors | Admin | |
| Normal Flow of Events | Admin | System |
|  | 1. Admin clicks on the edit user button. | 1. System displays user page on edit mode. |
|  | 1. Admin changes the user privacy level, and clicks on the save button. | 1. System saves the new information and display successful message. |

**Use case 11**

|  |  |  |
| --- | --- | --- |
| UC Name | View user data | |
| Brief description | Moderator view data from a user | |
| Pre-condition | Moderator must have done a user search. | |
| Actors | Moderator | |
| Normal Flow of Events | Moderator | System |
|  | 1. Moderator selects a user from the list. | 1. System displays view user page. |

**Use case 12**

|  |  |  |
| --- | --- | --- |
| UC Name | React to a car | |
| Brief description | User react to a car | |
| Pre-condition | User must be on a car page. | |
| Actors | User | |
| Normal Flow of Events | User | System |
|  | 1. User clicks on the like or dislike button. | 1. System saves reaction about a car. |

**Use case 13**

|  |  |  |
| --- | --- | --- |
| UC Name | Add car to garage | |
| Brief description | User adds a car to his garage. | |
| Pre-condition | User must be on a car page. | |
| Actors | User | |
| Normal Flow of Events | User | System |
|  | 1. User clicks on the add car to garage button. | 1. System saves car into users garage. |

**Use case 14**

|  |  |  |
| --- | --- | --- |
| UC Name | View garage | |
| Brief description | User view all the cars that are in the garage | |
| Actors | User | |
| Normal Flow of Events | User | System |
|  | 1. User clicks on the garage button. | 1. System display users garage page. |

**Use case 15**

|  |  |  |
| --- | --- | --- |
| UC Name | Remove car from garage | |
| Brief description | User view all the cars that are in the garage | |
| Pre-condition | Must be on garage page. | |
| Actors | User | |
| Normal Flow of Events | User | System |
|  | 1. User clicks on the remove car from garage button. | 1. System removes car from user’s garage. |