**Use Case UC1: Search Vehicle**

**Scope:** Car Database

**Level:** User Goal

**Primary Actor:** All Users

**Stakeholders and Interests:**

* Users: Wants quick and intuitive search process to find vehicles within provided criteria.
* Company: Wants effective search methods that are unique and simple.

**Preconditions:** User has an associated account, has been identified, and authenticated.

**Success Guarantee (or Postconditions):** User can search the system for registered vehicles with matching criteria.

/\*The search history of the particular user is saved, as well as the vehicles viewed with the criteria given.\*/

**Main Success Scenario (or Basic Flow):**

1. System allows the user to access the vehicle database.
2. User then enters search criteria they wish their rental vehicle to have.
3. System updates the user’s search results.
4. User selects a vehicle to view.
5. System provides user with updated information about that vehicle.

**Extensions:**

2a. User changes search criteria.

1. User deselects the given the option.
2. System updates the provided search results.

**Use Case UC2: Select Car**

**Scope:** Car Database

**Level:** User Goal

**Primary Actor:** All Users

**Stakeholders & Interests:**

* Users: Selects a given vehicle, providing all the details associated with that vehicle.
* Company: Ensure all essential information associated with a vehicle is in the hands of the user.

**Preconditions:** The vehicle is registered within the system and meets the user’s specified search criteria.

**Postconditions:** The vehicle view count is updated.

**Main Success Flow:**

1. User selects a vehicle they wish to rent.
2. System displays all information pertaining to that vehicle for the user.
3. System updates view count associated with the vehicle.
4. User chooses the “rent” option provided with selected vehicle.
5. System prompts the user for the amount of time they will rent the vehicle for and where to pick it up from.
6. User selects the amount of time they would like to rent for and pickup location.
7. System displays a success dialogue box and puts the selected vehicle in the rented section of the user.

**Extensions:**

4a. User wants to buy the vehicle, rather than rent it.

1. System confirms the user’s choice of buying, rather than renting
   1. User proceeds with the buying process.
      1. System initiates the buying process of a vehicle.
   2. User signifies that they do not want to buy the vehicle, rather rent it instead.
      1. System returns the user back to the vehicle being viewed.

7a. User wants to cancel a rental request.

1. User proceeds to view rented vehicle on their profile.
2. System returns the vehicles currently on request OR actively rented.
   1. User selects return vehicle.
   2. System initiates the user’s return request.

**Use Case UC3: Select Reservation (Cancellation)**

**Scope:** Car Database

**Level:** User Goal

**Primary Actor:** All Users

**Stakeholders & Interests:**

* Users: Selects to rent a particular vehicle or cancel a previously set reservation.
* Company: Provide the user with a simplistic rental process, including confirmation and cancellation screens.

**Preconditions:** The vehicle is selected by the user. The user wishes to rent the selected vehicle.

**Postconditions:** The user has set a rental period and pickup location. The car is updated as “in use.”

**Main Success Flow:**

1. User selects a vehicle they wish to rent.
2. User chooses the “rent” option provided with selected vehicle.
3. System prompts the user for the amount of time they will rent the vehicle for and where to pick it up from.
4. User selects the amount of time they would like to rent for and pickup location.
5. System displays a success dialogue box and puts the selected vehicle in the rented section of the user.

**Extensions:**

1a. User wants to cancel a rental request.

1. User proceeds to view rented vehicle on their profile.
2. System returns the vehicles currently on request OR actively rented.
   1. User selects return vehicle.
   2. System initiates the user’s return request.