**Use case name** SearchVehicles

**Participating actors** Initiated by User

**Flow of Events**

1. User enters to the search panel displayed on the homepage of website and enters the information of the name of the receiving office, the name of the returning office, the receiving date of the vehicle and the returning date of the vehicle. Then RegisteredUser activates the list vehicles function of the VehicleRentingSystem
2. VehicleRentingSystem responds to the User by displaying a list of vehicles on the page which matches to the information on search panel.
3. On that page, User views the vehicles

listed in increasing order based on their renting prices and tagged with their model name along with the price information.

**Entry Condition -** The User is logged into VehicleRentingSystem.

**Exit Condition -** The User has directed to a new page with a

list of vehicles which is displayed as a

response from the VehicleRentingSystem.

**Use case name** VehiclesNotFound

**Participating actors** Communicates with RegisteredUser

**Flow of Events**

1. There is not found any available vehicles by

VehicleRentingSystem which matches any of the

information on search panel fields.

2. VehicleRentingSystem displays an informative

message to RegisteredUser about

there is no available vehicles to be listed.

**Entry Condition**

It extends the ListVehicles and ChangeTheSearch use case.Initiated by the

VehicleRentingSystem, when there is no available

vehicles to show RegisteredUser which matches the

information that RegisteredUser entered on search panel.

**Exit Condition** The RegisteredUser receives a message about there are

no available vehicles to be displayed

as a response from VehicleRentingSystem.

**Use case name** ExtendReturningDate

**Participating actors** Initiated by RegisteredUser

**Flow of Events**

1. RegisteredUser enters the “My Profile” page of the website, then scroll down on page and moves into the new page, “My Rentings”. On that page, RegisteredUser sees the list of the rentings which is displayed by VehicleRentingSystem based on RegisteredUser’s current and past rentings.
2. RegisteredUser goes into, selects the detail of the current renting that he/she choses and activates the extend returning date function.
3. VehicleRentingSystem responds to the RegisteredUser by presenting a list of appropriate dates for returning date.
4. Then, RegisteredUser selects one of the dates on the list and activates the Save the Returning Date function.
5. VehicleRentingSystem saves the new returning date of this selected current renting of RegisteredUser. Then, displays an informative message of “Saved Successfully” to the RegisteredUser .

**Entry Condition** RegisteredUser is logged into VehicleRentingSystem.

**Exit Condition**

RegisteredUser has received an message from VehicleRentingSystem which is the change in returning date is saved successfully as a response.

//NOT USED FOR NOW

**Use case name** ExtendDateNotAllowed

**Participating actors** Communicates with RegisteredUser

**Flow of Events**

1. RegisteredUser enters the “My Rentings” page of the website, then sees the list of the current and past rentings. Then, selects a one of the current rentings that he/she has own.
2. RegisteredUser goes into the detail of the current renting that he/she choses and activates the extendRentDate function.
3. VehicleRentingSystem activates extend date not allowed function and responds to the RegisteredUser by displaying an informative message of “There is no available returning date to be extended.”
4. Then, VehicleRentingSystem directs RegisteredUser to “My Rentings” page

**Entry Condition**

It extends the extendRentDate use case. Initiated by the VehicleRentingSystem when there is no new available returning date for the current renting that RegisteredUser selected

**Exit Condition** The RegisteredUser receives a message of there is

no available returning date for renting to be extended

as a response from VehicleRentingSystem.

**Use case name** UpdateTheRenting

**Participating actors** Initiated by OfficeUser

Communicates with RegisteredUser

**Flow of Events**

1. RegisteredUser delivers the vehicle to the OfficeUser at returning office. RegisteredUser fills out necessary forms and OfficeUser takes these forms. Following, OfficeUser logs into the website with its password and username and enters the “Rentings” page of the website.
2. VehicleRentingSystem responds by displaying the all rentings as a list on the page.
3. First OfficeUser locates the corresponding renting of the OfficeUser by using his social security number and activates the manage the renting function of the system for that renting. Then, OfficeUser changes the renting status of the vehicle as “received” and checks out the information on form by using the information on the corresponding renting. Following, OfficeUser uploads the documents which is filled out by the RegisteredUser to the corresponding renting. After, OfficeUser activates the “save the changes” function of the system.
4. VehicleRentingSystem response to OfficeUser by saving the changes and displays a message of “Saved successfully” to the OfficeUser.

**Entry Condition** RegisteredUser delivers his/her rented vehicle at the returning date which is specified in his/her renting to the OfficeUser which works in the returning office specified in the renting of the RegisteredUser as returning office.

**Exit Condition** OfficeUser finishes and saves the renting process

for the corresponding RegisteredUser.

**Use case name** ChangeTheSearch

**Participating actors** Initiated by User

**Flow of Events**

1. User enters the information such that the name of the receiving office, the name of the returning office, the receiving date of the vehicle and the returning date of the vehicle to the search panel which is on the homepage of the website. Then RegisteredUser activates the list vehicles function of the VehicleRentingSystem.
2. VehicleRentingSystem responds to the User by displaying a list of vehicles on the page which matches to the information on search panel.
3. On that page, User views the vehicles

listed in increasing order based on their renting prices and tagged with their model name along with the price information. Following, RegisteredUser notices the panel which displays the returning date, receiving date, returning office and receiving office information of the current search. On this panel, RegisteredUser changes at least one of the fields and activates change the search function.

1. VehicleRentingSystem responds to the User by displaying a list of vehicles on the page which is corresponding to the new search information.

**Entry Condition** User logs into the VehicleRentingSystem.

**Exit Condition** The User has directed to a page

which displays a list of vehicles corresponding to the new search information entered by the User which is displayed as a response from the VehicleRentingSystem.

**Use case name**  RentVehicle

**Participating actors** Initiated by RegisteredUser

**Flow of Events**

1. RegisteredUser enters the information such that the name of the receiving office, the name of the returning office, the receiving date of the vehicle and the returning date of the vehicle. Then RegisteredUser activates the list vehicles function of the VehicleRentingSystem
2. VehicleRentingSystem responds to the RegisteredUser by displaying a list of vehicles on the page which matches to the information on the search panel.
3. On the page, RegisteredUser views the vehicles

listed in increasing order based on their renting prices and tagged with their model name along with the price information. Afterwards, RegisteredUser selects a vehicle from the list and adds to its chart. Then, RegisteredUser opens its chart and activates the checkout function of the system.

1. VehicleSystem displays a page which includes a personal information form and payment information form as a response. If the RegisteredUser had a saved personal information in his/her profile, the VehicleRentingSystem fills out the personal information section in the corresponding form. If this is not the case, the VehicleRentingSystem displays the personal information form as empty. After that, the RegisteredUser fills out the fields of the payment information form which are the name, surname, address, social security number and credit/debit card information and then confirms it. Also, he/she fills out the fields of the personal information form if the form is not filled out automatically. In addition to that, Although the personal information form is filled out automatically by the system, RegisteredUser can still change the fields of the form. Following, the RegisteredUser activates the complete the renting function of the system.
2. VehicleRentingSystem responses with displaying a message such that “Your renting is done succesfully.” on the website and sends an email to RegisteredUser which includes detailed information about renting.

**Entry Condition** RegisteredUser logs into the VehicleRentingSystem.

**Exit Condition**

RegisteredUser receives a message about renting process is successfully done and an email about the renting information from theVehicleRentingSystem as a response.

**Use case name** ViewTheRentingInformation

**Participating actors** Inıtiated by RegisteredUser

**Flow of Events**

1. RegisteredUser enters the “My Rentings” page of the website, then sees the list of the current and past rentings. Then, selects a one of the current rentings that he/she has own.
2. RegisteredUser goes into the detail of the current renting that he/she chose and activates the view renting function.
3. VehicleRentingSystem responses by directing RegisteredUser to the details of the renting.
4. Then, RegisteredUser notices the receiving date, returning date, receiving office, returning office, his/her personal information and the brief information about payment which includes the credit/ debit card’s name, bank name and the amount of the money he/she paid for his/her renting.

**Entry Condition** RegisteredUser logs into the VehicleRentingSystem

**Exit Condition** RegisteredUser views the renting information of

his/her renting in detail which the

VehicleRentingSystem has displayed as a response.

**Use case name** RentingInformationNotValidated

**Participating actors** Communicates with RegisteredUser

**Flow of Events**

1. The RegisteredUser enters an invalid information to the at least one of the fields in the personal information form or payment information form. An input is specified as invalidated by VehicleRentingSystem when it does not matches the information on the system or it have a incorrect syntax.
2. VehicleRentingSystem responds to RegisteredUser with displaying a message of “Invalid entry on field”.

**Entry Condition**

It extends the RentVehicle use case. Initiated by the VehicleRentingSystem when RegisteredUser is entered an invalid information on the fields of the personal information and/or payment information form.

**Exit Condition** The RegisteredUser receives a message of “Invalid

entry on field” as a response from VehicleRentingSystem.

**Use case name** UseDiscount

**Participating actors** Inıtiated by RegisteredUser

**Flow of Events**

1. RegisteredUser enters the corresponding receiving date, receiving office, returning date and returning office informations to the search panel of the website.
2. Then, activates the list vehicles function of the system and notices the listed cars on the web page.
3. RegisteredUser uses the class filter function to find an appropriate vehicle for itself.
4. After, VehicleRentingSystem responds by displaying list of vehicles according to the filter information.
5. Then, RegisteredUser selects a vehicle form the list and adds it to her/his chart. Following, RegisteredUser enters its chart and selects one of her/his discounts. After, activates the use discount function.
6. The VehicleSystem responds to RegisteredUser by changing the total price on the chart by reducing the discount percentage and displays the reduced total price to RegisteredUser.

**Entry Condition** RegisteredUser logs into the VehicleRentingSystem

**Exit Condition** RegisteredUser views the reduced total price of his/her

renting on its chart which VehicleRentingSystem has

displayed as a response.

**Use case name** ChangeReturningOffice

**Participating actors** Inıtiated by RegisteredUser

**Flow of Events**

1. RegisteredUser enters the “My Profile” page of the website, then scroll down on page and moves into the new page, “My Rentings”. On that page, RegisteredUser sees the list of the rentings which is displayed by VehicleRentingSystem based on RegisteredUser’s current and past rentings. RegisteredUser activates the view the renting function of the system.
2. VehicleRentingSystem displays the detailed information of the corresponding renting which includes personal information and billing information of the RegisteredUser. Then, activates the change the returning office function of the system.
3. VehicleRentingSystem responds to the RegisteredUser by presenting a list of appropriate office locations for returning office.
4. Then, RegisteredUser selects one of the offices on the list and activates the save the returning Office function.
5. VehicleRentingSystem saves the new returning Office location of entered by RegisteredUser. Then, displays a message such that “Saved Successfully” to the RegisteredUser.

**Entry Condition** RegisteredUser logs into the VehicleRentingSystem

**Exit Condition**

RegisteredUser has received a message from VehicleRentingSystem about the new returning Office location is saved succesfully.