**VehicleRentingSystem**

**Nonfunctional Requirements:**

1. In the system, there must be Offices denoted as their name, address, e-mail, phone, fax, working-hours, city and country.
2. In the system, there must be Vehicles denoted as their model number,physical status, renting status, daily price, class, gear type, fuel type, number of seats, avaliable luggage, minimum driver’s age, minimum years of license, brake system, avaliability of airbags, avaliability of air conditioning, pick up and return fuel amount, kilometer of the car and the name of the current Office.
3. In the system, there must be RegisteredUsers denoted as their name, surname,username, password, birthdate, phone, e-mail, gender, address, city, country and driver-license information.
4. In the system, there must be Administrators denoted as their name, username, phone, e-mail.
5. The searching panel to list avaliable vehicles for renting must be presented only on the main page of the website.
6. In the system, there must be OfficeUsers denoted as their name, surname, birthdate, phone, e-mail, username, password, gender, address, city and country.
7. In the system, there must be RegionalDirectors denoted as their name, surname, region, birthdate, phone, e-mail, username, password, gender, address, city and country.
8. The system must list avaliable vehicles at most 30 seconds.
9. The system must prevent to rent the Vehicles with the damaged physical status.
10. The search panel on the main page of the website must be auto-scaled for different types of resolutions.

**Functional Requirements:**

1. A Visitor can list avaliable vehicles to rent through providing the receiving date and receiving office together with returning date and returning Office.
2. A RegisteredUser can list avaliable vehicles by providing receiving date, receiving office, returning date and returning office.
3. A RegisteredUser can rent vehicles by providing his/her billing information.
4. A RegisteredUser can display the information of the vehichles that she/he rented.
5. A RegisteredUser can extend the date of the his or her rents.
6. A RegisteredUser can change the returning Office of a current renting.
7. An Administrator and A RegionalDirector can add new Offices to system and remove Offices from the system.
8. An Administrator and A RegionalDirector can manage the Offices in the system.
9. An Administrator and A RegionalDirector can add new Vehicles to system and remove Vehicles from the system.
10. An Administrator and A RegionalDirector can manage the Vehicles in the system.
11. A RegisteredUser can change his/her personal information in the system which are name, surname, phone, e-mail, birthdate, gender, driver’s licence information, address, city and country.
12. A Visitor can register the system through providing his/her name, surname, username, e-mail and password.
13. A RegisteredUser can enter the system by providing his/her username and password.
14. A OfficeUser can view and manage the rentings of the Users.
15. A RegisteredUser can use discounts when rent a vehicle.
16. A RegisteredUser can filter the results after done a search for a specific instance in terms of classes, gear types and fuel types of the Vehicles.
17. A RegisteredUser can change the receiving date, receiving office, returning date and returning office of the search after completed a search for a specific instance.
18. \*A RegisteredUser, A OfficeUser, An Administrator and A RegionalDirector can change his/her password in the system.