**Programming Project**

**Rent a Car**

**Kendall Retana Madrigal**

**Jeniffer Martínez Sequeira**

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Section of the Administrator

In the section of the administrator they find the reports, it is possible to modify, eliminate, add, already be, vehicles, models, styles, brands and offices. The part of the login it can join both the administrator and the users who are registered, and in the database there are registered the users and the password of the administrator. In the graphical interface the password is encrypted and in the database the password guards encrypted. All the information of the section of the administrator can be seen only by him, that is to say, a user cannot accede nowhere of the section of the administrator. The system allows to close session for the administrator and for the user.

Part of adding vehicle

In the part of adding vehicle the administrator must deposit the following attributes: Plate, Brand, Model, Style, Transmission, and Year, Price, Photo and State that then they will be stored in the database.

Modify vehicle

In the part of modifying vehicle, a combobox is where there appear all the plates registered in the table of vehicles, the administrator will have to select the one that he wishes and then the program shows him the information that this vehicle possesses, the administrator can modify any information.

Eliminating vehicles

In the part of eliminating vehicles, a table appears with all the vehicles that are registered before, then it will have to choose the one that wants to eliminate and to press the button in order that the program eliminates it of the database.

Users' record:

The user who is not registered must rig the following information: Bond, Name, Telephone, Direction, Photo and Password.

As soon as the user has registered, it can login in the system.

In the graphical interface the password is encrypted. And In the database the password is encrypted.

Both the administrator and the users are in the only table of the database.

Car Rental:

The user must select the vehicle of his preference.

Then, the user selects the office, the date and the hour wherefrom it is going to withdraw the vehicle, in addition it indicates the office, the date and hour corresponding to the return of the same one.

Then it happens if the user decided to add such articles as: GPS with a value of 9 $ daily, Booster with a value of 11 $ daily and baby's chair with a value of 3 $ daily. And the total amount appears on screen to paying for the rent of the vehicle.

There is a record in the database of all the rents of vehicles.

The information that are stored is: plate of the vehicle, bond of the user, name of the user, office of retirement, office of return, date and hour of retirement, date and hour of return, final price of the rent this contemplates the daily price of the vehicle of agreement with the quantity of days that rents it, in addition if it includes additional articles which also are daily prices of rent And When a vehicle is rented, into the record of the vehicle it must change the condition has occupied, but it is rented always it will be in available condition.

Search of vehicle

The user who wants to rent a vehicle can realize a search of agreement with the following filters: for brand, model, style, transmission, year or price.

This search is realized by means of a consultation to the database.

The system shows the vehicles that they adapt to the filters. In case of not selecting any filter the program shows all the vehicles.

The information that appears is everything the one that is registered in the maintenance of vehicles.

Reports

The reports are generated in format of document PDF.

First:

The reports that are generated are the following ones: or there are stamped the vehicles rented in a range of date. The administrator must choose from date and the date end. The information that appears is: plate, bond of the user, name of the user, date of rent and date of return.

Second:

Or there are stamped the vehicles registered of agreement with the condition. The administrator must choose between the available or busy condition. The information that appears is: plate, brand, model and style.

Third:

Or all the information of the user is stamped also, besides all the information of the vehicle associated with this user, as long as the condition is busy.