Alexandria University
Faculty of Engineering
Specialized Scientific Programs
Fall 2021

Computer & Communications Program
CC471, Database Systems
Instructor: Dr. Yousry Taha
Final Project

Project: Car Rental System

Car Rental company asked you to implement a system with the following features:

- The system should be able to register a new car (model, year, plate id, etc.) and update car status (active, out of service, etc.),
- Customers will be able to reserve their cars from anywhere in the world via this system.
- Customers provide information to this application by filling in their personal information to create an account and then he or she can reserve a car.
- The proposed system effectively and efficiently automates manual procedures for car reservation (reserve, pick up, return, payment, etc.).
- Customers are aided by your system to search the available cars by any of the car specs according to their needs.
- System should be able to make advanced search which is searching by any of the car information, customer information or reservation day and get all information about the car, customer and reservation.
- The system should provide the basic necessary reports (all reservations within a specified period including all car and customer information, all reservations of any car within a specified period including all car information, the status of all cars on a specific day, all reservations of specific customer including customer information, car model and plate id, and daily payments within specific period).
- Populate the system with enough data for testing all components and complete system demo.

Policies:

- *Deadline: Saturday 8/1/2022 11:59 pm. (Submit your project report containing the implemented features, your ERD and a description of the logic of each screen)*
- *Group size: 4 Students.*
- *No late submission is allowed.*
- *Each group member should show his role in the project. Discussion schedule will be announced by week 14.*