# Department of Computing

**SE 312: Software Construction**

**Class: BESE 6 AB**

# Lab 9: Car Rental

**Date: April 11th, 2018**

**Time: Wednesday (9:00-12:00 & 14:00 – 16:50)**

# Instructor: Zain ul Hassan Khan

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# Lab 9: On Line Car Rental System

## Introduction

In this lab the students have to design an online car rental system. They have to sit in the group and discuss the features provided by their on line rental system. It will be a system design especially for large, premium and small car rental business. The car rental system provides complete functionality of listing and booking car. In this system, Tourism and Travelling facilities will also be provided.

This is a series of three labs.

For the first lab below are the objectives

## Objectives

* **Design** an Online Car Rental System write down its **requirement specification document**
* Develop the Data Model for the Car Rental System and create it in my SQL or SQL Server
* You will be using the Hibernate as an Implementation of JPA.

**Description**

Please come up with your own ideas for the Online car rental. You can get some info from here <https://www.youtube.com/watch?v=As5nE5oAJQ8>

The basic system should comprise of at least following things.

1. The Database schema where you can store the information regarding the cars models, registration number, rent, availability etc.
2. Customer Database that can keep track of the customers
3. History of Customers and History of customers.
4. There will be a web based interface for customers to book the cars.
5. There will be a Desktop based interface for entering the car data and confirming or deleting the customer bookings.

**Lab Task**

**Design the Data Model for car rental system and implement it.**

**Project Plan submission with the breakdown of task for each person for the next two labs.**

## Deliverables

## Grade Criteria

This lab will be graded on the following rubric: 