

Course Name: Documentation of software engineering

Course Code: SWE-131

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**Project Proposal**

On

**Car Sales Management System**

I am Shohel Rana . This semester I want to make project using Java programming (java), sql server, GUI Framework etc. Actually it’s a very good opportunity for me to make a project with your guideline. By this project I am going to show you what I learned from object oriented programming. I am trying my best to make this project very successful. I humbly ask for seek your guideline for this Project from you. The project will take 3 months (estimated) probably to finish

***Objectives:***

The objective of the “CAR SALE SYSTEM” is to provide better information for the users of this system for better results for their maintenance in the product details that is sales, purchases and stock.

Simple System to learn with modules for Purchasing, Invoicing, Preparation, Salesmen, Reporting, Customer Maintenance & Set-up

Easy data entry through vehicle data look-up via vehicle registration

Stock lists and advertising copy

Preparation costs (internal and external)

Invoicing function saves both customer & driver information

Sales of Vehicles on Finance (HP, Lease etc.) fully supported

Special Invoices for Finance Companies

Payments, deposits, part exchanges, auction costs, and other receipts

A high quality purchase & sales invoices printed

Customized car sale invoices, wordings, logos

Invoicing & purchases process is easily amended in the event of changes or errors

**Objectives:**

Complete profit and loss analysis on every car sold

Unlimited vehicle photographs

Website Integration - have your stock displayed on your website

Email Lists generated of customer email address by criteria like Vehicle Make, Price & Invoice Date

User Privileges to control what staff can see & do

System is easily set-up for Used Car Dealers in a few minute with a set-up wizard

Back up function to disk or Flash/memory stick

Instant remote support all ways available

**Outcome:**

**System Overview**

This prototype of car sales system consists of two parts – a web-based management system for car sales management user, and a mobile-based system which consists of a range of features as revealed.

The system is a web management front-end to support car sales for registering member, making reservation to vehicle cheek-out. It consists of a membership system which allow customer to join as different membership group which each group are having difference benefit and restriction setting, it also allow car sell operator to manage and monitor their customer behavior by logging and viewing activities history, it also consist of a reservation system which member to make reservation in advance , it allow car sells operator to manage reservation , for instance , adding, updating and modifying reservation on behalf of the member, and supporting check-in of vehicle when user arriving as well as check-out of vehicles when user is leaving the car selling shop.

The mobile client will be mainly used by buyer, it is a mobile-based system which enable buyer for searching car and reserving a guaranteed in advance. In our prototype, user can search and view the essential information of a car selling for buyer needs, such as current utilization, available car in the shop, payment rate, phone and address. The searching module consist of two type –text based and map based.

Ultimately, saving in time, increase experience as well as enhancing the quality of service could be achieved by using this system and lead to a win-win situation for both parties

**Proposed Activities:**

**Project Requirements:**

* Project Proposal:I create and submit my project proposal.
* Authentication System: Car selling Management System**.** has an authentication system.
* System design: I will use GUI
* Ensuring security: I will use spring security in this part.
* Development (Coding):Programming language: java and framework: GUI
* Feasibility Study:This project has some problem. I will fix it and solve it successfully.
* Documentation (UML Diagram):I will create a successfully documentation in this project.

**Time & Cost Estimation**

**Activity list:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Activity name** | **Durations** | **Dependency** |
| A | Project Proposal | 05 | **--** |
| **B** | Authentication System | 05 | **A** |
| **C** | System Design | 15 | **B** |
| **D** | Ensuring Security | 10 | **--** |
| **E** | Development (Coding) | 30 | **B** |
| **F** | Feasibility Study | 10 | **B** |
| **G** | Documentation | 07 | **F,C,E,G** |

Overall 90 days.

**Cost:** Only Internet bill will be provide

Technology: Programming language: Java Programming.

Framework: GUI

Idea: Some features/description of this project are:

Profiling: Mainly every user can see available car in the shop ever. They are update his/her profile all time.

Car sells System: Registration is main in this part.

Administrative System: Admin can block all restricted user and also help them in any ways

Usability: Car selling system is an online project and that's have many advantage to the targeted client. They are use all features of this project. Overall targeted client uses this project, they will have benefited known about well production, and save their valuable time and others.

Innovation: This project is online based, and it’s also help people for buying a car and help in many other way.