Level-6

Major Project

Web Application

By

Karandeep Singh

Gainde

Contents

[Project Proposal 2](#_Toc62760161)

[Goals and Purposes 2](#_Toc62760162)

[Scope of Project 3](#_Toc62760163)

[Deliverables Concept 3](#_Toc62760164)

[Specifications of Projects 3](#_Toc62760165)

[Target Audience 3](#_Toc62760166)

[Tasks for the project and Achievements 3](#_Toc62760167)

[Requirements for Resource 4](#_Toc62760168)

[Risks to Project 4](#_Toc62760169)

[Detail Design 6](#_Toc62760170)

[Home Page 6](#_Toc62760171)

[Customer Page 7](#_Toc62760172)

[Staff Page 7](#_Toc62760173)

[Cars Page 8](#_Toc62760174)

[Stores Page 8](#_Toc62760175)

[Buy Page 9](#_Toc62760176)

[Register Page 9](#_Toc62760177)

[Login Page 10](#_Toc62760178)

[Testing Project 10](#_Toc62760179)

[Checking for Device Usability 10](#_Toc62760180)

[User Manual 11](#_Toc62760181)

[Guide to Quick Setup 11](#_Toc62760182)

[General Information 12](#_Toc62760183)

[System Overview 12](#_Toc62760184)

[System Summary 12](#_Toc62760185)

[System Configuration 12](#_Toc62760186)

# Project Proposal

## Goals and Purposes

The aim of this project is to launch an online shopping app that will sell cars. There are two types of user admin and a regular user in this program. Any car information can be inserted, modified and deleted by admin, while the regular user cannot do so from the app.

## Scope of Project

This is a 20-day project in which I have launched Dream Car, an online shopping application. Selling Cars is the scope of this project. And to demonstrate the available vehicles. New users can sign up for the program and can purchase vehicles.

## Deliverables Concept

Some deliverables will involve this project. These deliverables are outlined in the following table.

|  |  |
| --- | --- |
| **Deliverable** | **Description** |
| Final Report | This paper introduces and elaborates the specifics and specifications of the project. The milestone, timetable, hardware and software specifications and other significant details are also specified. |
| Programme executable | This would be the project's executable code. |
| Documentation for the Consumer | This will demonstrate how the web application can be used. |
| Test Plan | This will include the project's test information. |

## Specifications of Projects

* Stable log-in and account registration.
* Editing and deleting accounts by the Administrator.
* An admin can add, modify and update the details of any car.
* Users will purchase a new vehicle.

## Target Audience

Normal users and anyone who is interested in buying cars from the age of 18 and up to 100 years will go.

## Tasks for the project and Achievements

The following table shows the Project Activities and Achievements

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project Stages | Major Tasks | Week1-2 | | | | Week-2-3 | | | | | Week-3-4 | | | | |
| Planning | Study in Technology |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Start Meeting Off |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Proposal of Project |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Proposal Documentation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Execution – 1 | Database Design |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| User Interface Design |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Execution of Identity Process |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Implementation of User Interface |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Implementing Admin Interface |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Testing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Closing | Final Documentation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## Requirements for Resource

Following technology and methods of growth:

* Asp.net MVC Framework.
* Identity framework- ASP.
* Windows Operating System.
* 64-bit Processor and 4 GB RAM.

## Risks to Project

The following are the high-level risks defined that could impact the completion and progress of the project:

* Project delays in other based tasks can cause cascading delays.
* The complexity and length of projects can be underestimated.
* The project must have exemplary protection because sensitive information is stored in the system.
* The total requested features which be beyond what the developer can produce in the provided time available.

|  | **Low (Yes)** | | | | **RISK** | | | | **(No) High** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | | 4 | 5 | 6 | | 7 | 8 | 9 |
| **Inherent Risks** |  |  |  |  | |  |  |  | |  |  |  |
| **Project Objectives** |  |  |  |  | |  |  |  | |  |  |  |
| Is the project small? |  |  |  |  | |  |  |  | | **●** |  |  |
| Is the project of minor significance to the company? |  |  |  |  | |  |  | **●** | |  |  |  |
| Is the project clear functionally? |  |  |  |  | |  |  |  | |  | **●** |  |
| Are multiple parties capable of specifying the requirements? |  |  |  |  | |  |  | **●** | |  |  |  |
| Is the field of subject matter well documented? |  |  | **●** |  | |  |  |  | |  |  |  |
| Are the previous ventures recorded well? |  |  |  | **●** | |  |  |  | |  |  |  |
| **Organization of Users** |  |  |  |  | |  |  |  | |  |  |  |
| Does the project retain consumer processes that exist? |  | **●** |  |  | |  |  |  | |  |  |  |
| During the project, are other organizational changes unlikely? |  | **●** |  |  | |  |  |  | |  |  |  |
| Are the users of one place grouped together? |  |  | **●** |  | |  |  |  | |  |  |  |
| **Technology** |  |  |  |  | |  |  |  | |  |  |  |
| Is hardware being used for testing? |  | **●** |  |  | |  |  |  | |  |  |  |
| Could they stop custom programming? |  |  |  |  | |  |  |  | | **●** |  |  |
| Technically, is the project straightforward? |  |  |  |  | |  |  |  | |  | **●** |  |
| Is the output of existing data good? | **●** |  |  |  | |  |  |  | |  |  |  |
| **Acquired Risks** |  |  |  |  | |  |  |  | |  |  |  |
| **Scope and Process** |  |  |  |  | |  |  |  | |  |  |  |
| The scope of the project is well established and agreed? |  | **●** |  |  | |  |  |  | |  |  |  |
| Is the approach to projects well established and agreed? |  | **●** |  |  | |  |  |  | |  |  |  |
| **Organization of Programs** |  |  |  |  | |  |  |  | |  |  |  |
| Are people's responsibilities well defined? |  | **●** |  |  | |  |  |  | |  |  |  |
| Do users have a commitment to the venture? |  |  | **●** |  | |  |  |  | |  |  |  |
| Are workers in a position to commit ample time to the project? |  | **●** |  |  | |  |  |  | |  |  |  |
| Are the required competencies available? |  |  |  |  | | **●** |  |  | |  |  |  |
| For all team members, are there copies? |  |  |  | **●** | |  |  |  | |  |  |  |
| Are political and private interactions good? |  | **●** |  |  | |  |  |  | |  |  |  |
| Is the project independent of third parties? |  | **●** |  |  | |  |  |  | |  |  |  |
| Can a small group achieve the design? |  | **●** |  |  | |  |  |  | |  |  |  |
| Will the introduction of a "Big Bang" be avoided? |  | **●** |  |  | |  |  |  | |  |  |  |
| **Experience, assistance and preparation** |  |  |  |  | |  |  |  | |  |  |  |
| Does the IT team know the technology? |  |  |  |  | |  | **●** |  | |  |  |  |
| Do the users know the technology? |  |  |  |  | |  | **●** |  | |  |  |  |
| Is the technology well supported? |  |  | **●** |  | |  |  |  | |  |  |  |

# Detail Design

## Home Page

This is the application's primary landing page. There are 7 menus on this navigation tab- customers, staff, cars, stores, buy, login and register.

A white sports car

Description automatically generated with medium confidence

## Customer Page

Registered users can add new customers with the aid of this page, edit their details and remove the information, while unauthorized users can only view the data.

A screenshot of a computer

Description automatically generated

## Staff Page

Authorized users can add new staff details with the support of this page, edit their details and remove the information, while unauthorized users can only view the data.

A screenshot of a computer

Description automatically generated with medium confidence

## Cars Page

This page will allow registered users to add new car details, edit the details and remove the information, while the data can only be accessed by unauthorized users.

A red sports car

Description automatically generated with low confidence

## Stores Page

This page will include information about the company's numerous stores in different states and similarly like other pages only permit users to have complete access to modify data.

A screenshot of a car

Description automatically generated with low confidence

## Buy Page

The page will include information about the specific car that the car is purchased by whom and from which store, as all pages can be added, edited and removed only by admin.

Graphical user interface, application

Description automatically generated

## Register Page

The register page enables the user to register their profile to access the data to be added, modified and removed.

Graphical user interface, text, application

Description automatically generated

## Login Page

The login page will allow users to access the web application in full.

Graphical user interface, text

Description automatically generated

# Testing Project

## Checking for Device Usability

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Tester** | | **Answer Scale** | | | | |
| **No.** | **Question** | **Strongly Disagree (1)** | **Disagree (2)** | **Normal (3)** | **Agree (4)** | **Strongly Agree (5)** |
| 1 | I think that I would like to use this system frequently |  |  |  |  |  |
| 2 | I found the system unnecessarily complex |  |  |  |  |  |
| 3 | I thought the system was easy to use |  |  |  |  |  |
| 4 | I think that I would need the support of a technical person to be able to use this system |  |  |  |  |  |
| 5 | I found the various functions in this system were well integrated |  |  |  |  |  |
| 6 | I thought there was too much inconsistency in this system |  |  |  |  |  |
| 7 | I would imagine that most people would learn to use this system very quickly |  |  |  |  |  |
| 8 | I found the system very cumbersome to use |  |  |  |  |  |
| 9 | I felt very confident using the system |  |  |  |  |  |
| 10 | I needed to learn a lot of things before I could get going with this system |  |  |  |  |  |

# User Manual

## Guide to Quick Setup

As a web application, no complex configuration is needed for the targeted users. However, to access its functionality, registration via the website is required. The web application can be accessed via local host.

To register, just press the "Register!" button. To the Navbar.

# General Information

### System Overview

Dream Car is a car buying app that holds all the details. Any car information can be inserted, modified and removed in this application admin, while regular users can access the data from the app. Only registered users have full web application access.

# System Summary

## System Configuration

Dream Car is a web application built using the Asp.net Core Web Application. It will run on most current web browsers and no special device configuration will be needed. It will need internet access to operate as a web application.