**Car Listing Management System**

**Tania**

Task 1

# **Client Details**

|  |  |
| --- | --- |
| Full Name | Kamal Preet Singh |
| Address | 34 Penrose, Aucland,3490 |
| Phone | +64220634384 |
| Email | Kamalpreet234@gmail.com |
| Project | Car listing Management System |

Task 2

## **Scope of Work**

## Goals and Purposes

The aim of this project is aware to customers to see different types of cars and see the prices of the cars. There is a regular user in this program. Any car information can be inserted, modified and deleted by the user.

## Features of Projects

* Stable log-in and account registration.
* Editing and deleting accounts by the Administrator.
* A user can add, modify and update the details of any car.

## Scope of Project

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.

## Functional and Non-Functional

Functionality of Project

* Add new staff
* Add new Customer
* Edit staff details
* Edit customer details
* Add New car in stock
* Edit details of car
* Login /Log Out
* Register new

Non-Functionality of Project

* Fast load Landing page
* Support all browsers
* Responsiveness.

## Deliverables Concept

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

|  |  |
| --- | --- |
| **Deliverable** | **Description** |
| Final Report | This website totally about the different types of the cars. |
| 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. |

## **Time**

|  |  |  |  |
| --- | --- | --- | --- |
| Task | Start date | End date | Duration |
| Planning | 16-10-2021 | 23-10-2021 | 30 hours |
| Database design | 24-10-2021 | 29-10-2021 | 15 hours |
| UI Design | 30-10-2021 | 10-11-2021 | 35 hours |
| User Interface | 10-11-2021 | 13-11-2021 | 15 hours |
| Usability Testing | 14-11-2021 | 16-11-2021 | 16 Hours |
| System Testing | 16-11-2021 | 17-11-2021 | 12 Hours |
| Documentation | 17-11-2021 | 17-11-2021 | 8 Hours |
| Total |  |  | 131 Hours |

## **Cost**

|  |  |
| --- | --- |
| Total Hours | 131 Hours |
| Cost (per hour ) | $27 |
| Cost of Project | $27 \* 131 = $3537 |
| Margin (12%) | $460 |
| Overall ( Cot of Project + margin) | $ 3997 |

**Project management**

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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|
| Testing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## 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.

**Risk Management**

There are four steps for manage the risk in software development industry

**Identify the risk**

First of all identify the all negative and positive risk in the project

## **Risk Assessment**

There are two types of risk and opportunity assessments: qualitative and quantitative. A qualitative assessment analyzes the level of criticality based on the event’s probability and impact

## **Risk Treatment**

In order to treat risks, an organization must first identify their strategies for doing so by developing a treatment plan. The objective of the risk treatment plan is to reduce the probability of occurrence of the risk.

## **Risk Monitoring and Reporting**

Risks and opportunities and their treatment plans need to be monitored and reported on.

Task 3

## **Mockups**

## Home Page

This is the application's primary landing page. There are 6 menus on this navigation tab- Home, Car, Staff, Customer, Register and Login.

Graphical user interface

Description automatically generated

## 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.

Graphical user interface, application, table

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## Staff Page

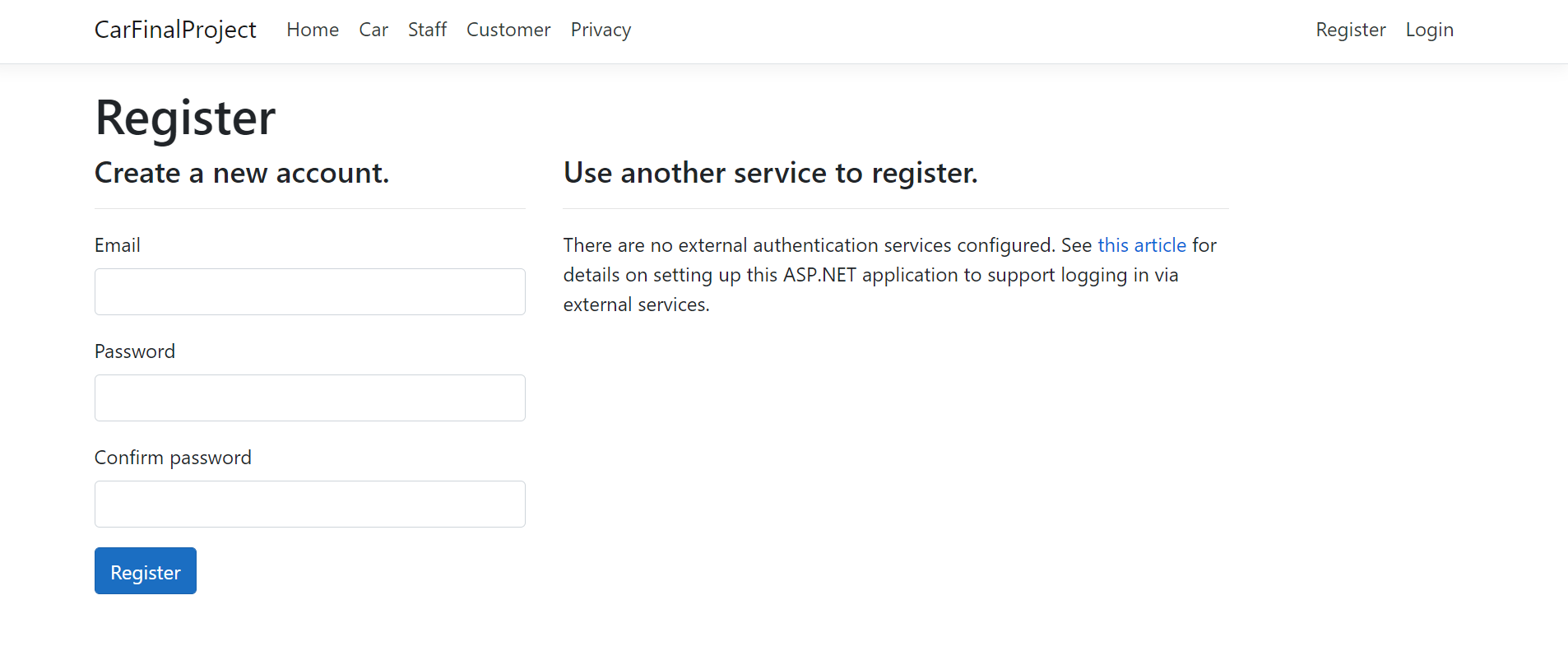
Authorized users can add new staff details with the support of this page, edit their details and remove the information, while unauthorized users can only view the data.

Graphical user interface, table

Description automatically generated

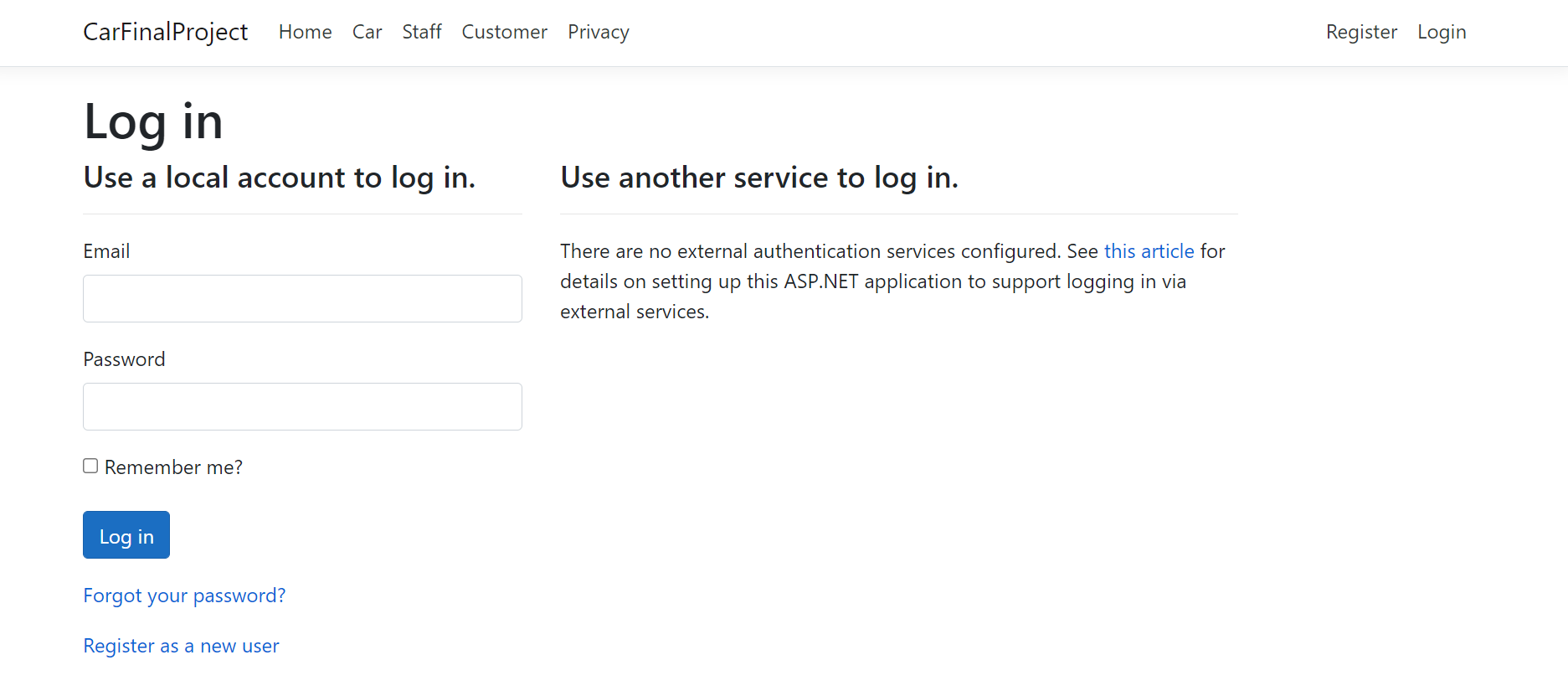
## Register Page

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



## Login Page

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



Section 2

Task 4

Coding

[..\..\CarFinalProject.sln](../../CarFinalProject.sln)

Task 5

Usability Testing

**User 1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Priority:** | | High | |  |  |  | |  | |  | |  | |  | |
| **Test Case Title:** | | Web App | |  |  |  | |  | |  | |  | |  | |
|  | |  | |  |  |  | |  | |  | |  | |  | |
| **Preconditions:** | | Browser | |  |  |  | |  | |  | |  | |  | |
| **Postconditions:** | | Website should be open successfully |  | | | |  | |  | |  | |  | |
|  | |  | |  |  |  | |  | |  | |  | |  | |
| **Test Step** | **Input Data** | | **Expected Result** | | | | **Actual Result** | | **Result** | | **Comments** | |  | |
| **Launch web app using localhost** |  | | Car Final Project web app Home page should opened | | | | as expected | | **Pass** | |  | |  | |
| **Close the Home web by clicking close button on browser** |  | | Web app should close. | | | | as expected | | **Pass** | |  | |  | |
|  |  | |  | | | |  | |  | |  | |  | |

**User 2**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Priority:** | | | High |  |  | | | | | | |  |  |  |  |  |
| **Test Case Title:** | | | Verify website Home Page interface |  | |  | | | | | | | |  |  |  |
|  | | |  | | | | | | |  |  |  |  |  |  |  |
| **Preconditions:** | | | Open website in a browser | | | |  |  |  | | | | |  |  |  |
| **Postconditions:** | | | Home page open succesfully | | | |  |  |  | | | | |  |  |  |
|  | | |  | | | | | | |  |  |  |  |  |  |  |
| **Test Step** | **Input Data** | **Expected Result** | | | | **Actual Result** | | | | | | | | **Result** | **Comments** |  |
| **Verify navigation bar** |  | Following options should be available in navigation bar - Home - Car -Staff -Customer | | | | as expected | | | | | | | | **Pass** | All Pages open succesfully. |  |

**User 3**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Step** | **Input Data** | **Expected Result** | **Actual Result** | **Result** | **Comments** |
| **Launch Car Final Project website in a new browser window** |  | Home screen of Car Final Project is displayed. | as expected | **Pass** |  |
| **Click on Login button** |  | "User ID" and "Password" fields show. | as expected | **Pass** |  |
| **Enter valid admin User id and correct password** | User ID: example@gmail.com Password: \*\*\*\*\*\*\* | Entered User Id is displayed in "User Id" field then Enter Password. | as expected | **Pass** |  |
| **Click "Login" button** |  | Home page is displayed | as expected | **Pass** |  |
| **Click "Logout" button** |  | Click on the logout button then website logout. | as expected | **Pass** |  |
| **Add New Car** |  | Add New Car Succesfully. | as expected | **Pass** |  |
| **Customer** |  | Edit Customer Succesfully. | as expected | **Pass** |  |
| **Create Staff Record** |  | Successfully create the staff record. | as expected | **Pass** |  |

# 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 |  |  |  |  |  |

Task 6

Client Review Form

My developer’s name:  **Tania**

This form is intended to let you review the communication skills of your developer for this assignment. Your review will partly count towards their final mark. Do not take into account technical skills.

Grading scale

You must grade your developer for each item listed in the tables below. 1 being the lowest, 5 the highest.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** |
| Strongly disagree | Disagree | Ok | Agree | **Strongly agree** |

Review your developer

|  |  |  |
| --- | --- | --- |
| Item | Grade | Comment |
| Communicated clearly and effectively | 5 |  |
| Kept you informed of the progress | 5 | Yes |
| Met timelines | 5 | Yes |
| Responded promptly to problems | 4 | Yes |
| Met overall project objectives | 5 | Yes |
| Was open to new ideas and suggestions | 5 | Yes |
| Was easy to work with | 4 | Yes |

## Comments

Provide any extra comments on your developer’s communication skills and professionalism.

**Signed by Client**

|  |  |
| --- | --- |
| **Signature: Kamal** | **Date: 17/11/2021** |
| **Name: Kamal Preet singh** | **Title: Final Project** |
| **Contact details (email/Tel): Kamalpreet234@gmail.com** | |

Section 3

Task 8

**Software Development Life Cycle**

**Diagram

Description automatically generated**

#### Planning and requirement

In this foremost phase, you need a clear idea about the requirement gathering.

The first phase should be able to outline the following:

* The users of this software
* Details such as cost, functionality, and performance of the software
* Scope of the project
* Consider the project opportunities and risks involved

#### Software Design and prototyping

In this phase, the entire architecture of the project is designed. Based on the Software Requirement Specification (SRS), the designers develop the product’s best design architecture in this phase. Basically, the design phase concludes with more than one architecture that the stakeholders will review multiple times.

#### Software Development

This is the longest phase in the [software development cycle](https://ziniosedge.com/services/product-engineering/), and here is where the actual product development begins. Coding of the software is done in this stage based on the design document specification.

#### Testing

Testing involves in almost every phase in the modern SDCL methodologies. Once the coding is done, it undergoes testing for quality assurance.  Testing includes various functional testing like system testing, acceptance testing, unit testing, integration testing, and also non-functional testing.

#### Implementation

Once the software is successfully tested, implementation takes place. However, the project deployment strategy varies based on the business proposition of companies. Sometimes, the product will be released in a limited environment to collect feedback and use acceptability.  In this stage, other bugs (if any) are being reported and fixed.

#### Maintenance

In this phase, the issues experienced by end-users are resolved systematically. Based on the feedback and user experience report, adequate changes and updates will be pushed at this phase. Subsequently, maintenance is a continuing process across the life of the product in the market.

Task 9-

Project management

In Project management I m using waterfall methodology as a images shown below

Graphical user interface, diagram, application

Description automatically generated

#### 1.Requirement gathering and analysis:

A feasibility analysis is conducted for the project and documented in the requirement specification document.

#### 2.Design:

Design specifications are created, studied, and evaluated in an effort to understand what the final product should look like, along with the actions needed to get there

#### 3.Implementation/Coding:

The coding of the software actually begins. All previous planning is put into action during this phase.

#### 4.Testing:

After the coding is completed, testing is performed to ensure that there are no errors before the software is delivered to the customer. An optional user acceptance test (UAT) can also be performed, where users try the software before distributing it to the greater public.

#### 5.Maintenance:

This phase relies on the customers to report on any additional issues that may have been encountered in the real world. The development team works to solve and modify the software based on this feedback.

Thank You !