AutoMotive mechanic Services

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# **Project Proposal**

# Project Scope

## Purpose

This project is to help users to book automotive services online, so the user does not waste time going to the company.

## Goal

the main goal for this web application is for the target users to book now for Warrant of Fitness, General Repairs, Servicing, & Diagnostics.

## Objective

This project aims to develop an online web application for Automotive mechanics service implemented using Asp.Net Core. In this web app there are two types of user roles Admin, Customer. Admin has access to Create, Read, Update and Delete their services and Appointments also admin can manage customer accounts. Customer has access to viewing and booking services available, and customers can manage their bookings by Canceling, or checking details. Users can book for Warrant of Fitness, General Repairs, Servicing, & Diagnostics online efficiently.

## Project Specifications

* Admin access to Add, view, delete, and edit services available
* Admin can Add, delete, edit, and check booked appointments
* Admin can delete and access details customers’ accounts
* Customers can view and book automotive services available
* Customers can manage their bookings by canceling or viewing details
* New users can signup

## Target Audience

Automotive Mechanics services target audience is customers who own an automotive vehicle, aged 16 above.

## Project Deliverables

The project deliverables are below in the table

|  |  |
| --- | --- |
| **Deliverable** | **Description** |
| Final Report | The plan and elaborates the specifications, presents the goal, timeline, code etc. |
| Coding | The projects executable code |
| Documentation | How to use the application documentation |
| Testing | All the testing details will be documented |

## Task Details & Milestone Dates

The table below represents our projected timeline for your web app project.

|  |  |  |  |
| --- | --- | --- | --- |
| Stages | Activities | Start Date | Completion Date |
| Planning | Meeting with client | 18th Dec Start 12:00 | 18th Dec End 1:30 |
| Research Analysis and brainstorming | 21st Dec | 22nd Dec |
| Planning and project proposal documentation | 23rd Dec | 24th Dec |
| Implementation | Database Design | 26th Dec | 28th Dec |
| UI Design | 29th Dec | 30th Dec |
| Identity framework Implementation | 31st Dec | 31st Dec |
| UI Implementation | 1st Jan | 3rd Jan |
| Admin interface implementation | 3rd Jan | 4th Jan |
| User Interface implementation | 5th Jan | 6th Jan |
| Testing | 31st Dec | 6th Jan |
| Closing | Final Documentation | 3rd Jan | 7th Jan |

## Resource Requirements

* Asp.net Core MVC Framework
* ASP.NET Core Identity
* 64-bit Windows OS, 8gb Ram
* Microsoft Office

## Project Assumptions

* One Admin and customer will be registered by default
* Only registered admin can register new admins
* Application will be open source

# Project Report

### Functional and Non-Functional

|  |  |  |
| --- | --- | --- |
| **Roles** | **Functional** | **Non-Functional** |
| Admin | * Login/Logout * Add, Edit, delete, and view booking services * Manage Appointments * Delete and check details of Customers | * Device compatibility * Browsers compatibility |
| Customers | * Login/logout * New customer can signup * Book an Automotive service * Manage Bookings |