**Pinewood DMS Application**

**1. Introduction**

* **Project Overview:** The goal of the Pinewood DMS application project is to save and modify customer data in the Microsoft sql lite data base by using a Razor UI application which uses Web API layer that interacts with a data base repository layer retrieve customer data from a SQL lite database.
* **Scope:** The scope of the project is to add, delete and modify customer data.

**2. Design**

**Components:**

The Project Pinewood DMS application is used to add, delete, update the customer data which is store in Microsoft Sql lite database. It contains of the following components

1) **PinewoodDMS.Models :** This Component contains the business entities in the application this case the Customer class

2) **PinewoodDMS.DataAccessLayer :** This Component is responsible for interacting with data sources in this case Microsoft SQl lite , the data sources are configuration through dependency injection

3) **PinewoddDMS.WebAPI :** This Component is a bridge between the data access layer and the Web application , this API can be consumed by the mobile application as well providing an alternate user experience

4) **PinewoddDMS.WebUI :** This component is the web application which can be accessed on the web browser , it provides the user the functionality to Add, Delete, Update and View Customers in the System

**Diagram**

Web UI

Web API

Data Access Layer

Sql Lite database

**3.  Application Screen**

**Home Page:**

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**Edit Page:**

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**Delete Page:**

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**Create Page :**

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**4. Deployment**

* **Environment:** Can be executed in visual studio and VS code.
* **Configuration:** As the web UI interacts with the web API , the URL of the web API is configured in theappsettings.json

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**A screen shot of a computer program

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