.NET Core Azure
Sprint-1
Home Service Provider (HSP)

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Document Revision History

Date	Revision No.	Author	Summary of Changes
25-09-2020	1.0	Pankaj Patil	Initial Draft

Table of Contents

INTRODUCTION

This document outlines a project for the .NET Line of Technology (LOT). The project is to develop **Home Service Provider (HSP)** System. This document contains the requirements, work flow of the system and gives guidelines on how to build the functionality gradually in each of the course modules of the .NET LOT.

SETUP CHECKLIST

Minimum System Requirements

- Intel Pentium 4 and above Windows 2007, 2008 and 2010
- Memory 4 GB
- Internet Explorer 8.0 or higher
- SQL Server 2014 or 2016 client and access to SQL Server 2014 or 2016 server
- Visual Studio 2019
- Visual Studio Code
- Git

INSTRUCTIONS

- The code modules in the mini project should follow all the coding standards.

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PROBLEM STATEMENT

OBJECTIVE

Need to develop **Home Service Provider (HSP)** System. This application is very useful for public and business owners who provide home services.

Abstract of the project

Home Service Provider (HSP) is a web application which provides different service owners to offer there various services to their customer. This web application is very useful for public and business owners who provide home services. Consumer easily know and search area, city, state wise for Plumber, Carpenter, electrician, Ac Maintenance, sweeper, gardener, etc.

Home Service Provider (HSP) system will have following features:

- Registration for Customers, Business Owners.

- Reports for Customers & Business Owners.

- Online Quotation of the Service.

- Online appointment facility.

- Customer's reviews and ratings for Service providers.

Users of the System will be: **Admin, Customer and Service Owners**

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Role of Admin

- Login to System

- Manage Customer & Service Owners

- Manage District, City, Village, and Area.

- Manage Service Category.

- He has the authority to add/delete users

Role of Customer

- Register & Login to System

- Book an appointment.

- Can view & edit its own Profile.

- Can Search & view Service & Service Providers profile.

Role of Service Owners

- Register & Login to System

- View the Appointments and select Customers.

- Can view & edit its own Profile.

- View Booking Service History.
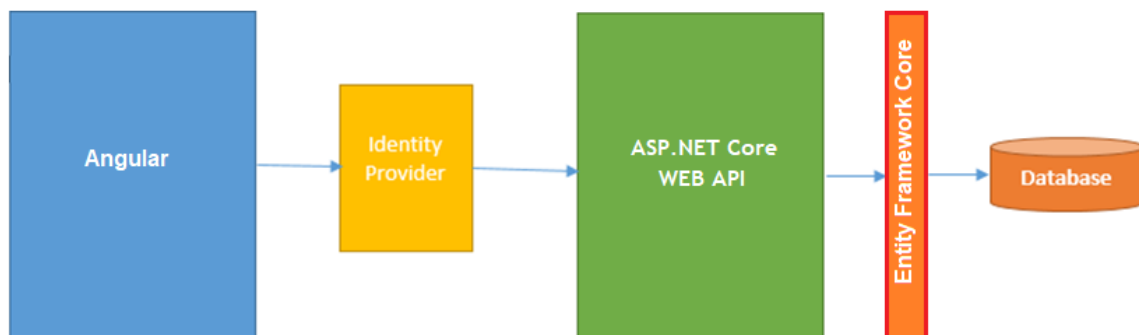
- Can update service cost.

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PROJECT STRUCTURE

Description: Create below sample reference project structure, which will help to reuse most of module for Web application. You are allowed to bring your own project structure and project to achieve the requirement.

In this sprint you have to use

- Angular UI as the presentation layer
- ASP.NET Core WEB API to create services
- Entity Framework Core to interact with the database.

The project should have minimum target framework – .Net Core 3.1 for Core WEB API Services and Angular 10 for UI Design

Design guidelines

- All the exceptions/errors to be captured and user friendly message to be displayed on the Common Error page.

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SUMMARY OF THE FUNCTIONALITY TO BE BUILT:

The participants need to develop the **Home Service Provider (HSP)** System by building the functionality incrementally in each of the course modules of .NET LOT.

Sr. No	Course	Duration (in PDs)	Functionality to be built
1	Angular ASP.NET Core Web API Entity Framework Core SQL Server	5	Developing Presentation components (Angular), Business components (ASP.NET Core WEB API) and Data access components (Entity Framework Core)

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