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CIS480 Software Development Capstone

ECPI University

January 24, 2024

**Project Description: Carmen Cleaning Services Website**

**Purpose of the Website:**

The purpose of the website is to provide a professional online platform for my friend's cleaning business. It aims to showcase the company's services, facilitate online booking and scheduling for clients.

**Features:**

**User Registration and Authentication:**

Allow users to create accounts.

Implement secure authentication methods to protect user data.

**Contact Request Form:**

Features a user-friendly contact form for individuals seeking more information or assistance without the need for registration.

Allows users to reach out to the business easily, enhancing communication and customer support.

**Service Request Form:**

A form where users can specify their cleaning requirements (type of cleaning, frequency, special requests).

**Service Selection:**

Provide a list of cleaning services (e.g., residential cleaning, office cleaning, deep cleaning) that users can choose from.

**Scheduling and Booking:**

Calendar-based scheduling system for users to book cleaning services on specific dates and times. The booking page also displays the records to users for managing bookings and service details.

**End-User:**

***Clients:*** Individuals or businesses seeking cleaning services who visit the website to learn about the services offered, make bookings, and access relevant information.

**Programming Languages:**

I will be creating the website with these languages: HTML, CSS, JavaScript for the frontend, and a backend will be PHP.

**Hosting:**

I will use the XAMPP platform to test my website project before publishing it to a remote web server.

I can host the website on a web hosting service such as GitHub platform.

**Data Storage:**

For housing data, I will use a database management system (DBMS) like MySQL.

**Security Measures:**

Implementing security measures is crucial to protect both client and operational data. Some security measures include:

**SSL Encryption:** Ensure that the website uses SSL to encrypt data transmitted between the client and server.

**User Authentication:** Implement secure user authentication for your friend and staff to access the backend functionalities.

**Data Backups:** Regularly backup data to prevent loss in case of unforeseen events.

**Input Validation:** Validate and sanitize user inputs to prevent common security vulnerabilities.

**Delivery Method:**

I plan to present the project through a recorded PowerPoint presentation, uploaded to Microsoft Office 365 with the link shared via SharePoint.