CareConnect-Connect with Service Professionals.

Application Development 1_Project

Submitted by

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Declaration Statement

I am working on a Project titled “CareConnect-Connect with Service Professionals.”

I hereby assert that the data presented and assessed in this project report is genuine and precise to the utmost extent of my knowledge and capabilities.

I am dedicated to adhering to the principles of academic honesty and integrity, and I am receptive to any additional examination or validation of the data contained in this project report.

I understand that the execution of this project is intended for individual completion and is not to be undertaken collectively. I thus affirm that I am not engaged in any form of collaboration with other individuals and that all the work undertaken has been solely conducted by me. If plagiarism is detected in the report at any stage of the project's completion, I am fully aware and prepared to accept disciplinary measures imposed by the relevant authority.

I understand that all recommendations made in this project report are within the context of the academic project taken up towards course fulfilment in the BS Degree Program offered by IIT Madras. The institution does not endorse any of the claims or comments.

Signature of Candidate

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Date: 29/11/2024

1.Student Details

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2.Project Details

Household Services Platform Development

Problem Statement:

Design and implement a Household Services platform that caters to three distinct user roles: Admin, Service Professionals, and Customers. The platform will allow users to request services. The request is then sent to the service provider for them to accept or reject the service. The customer dashboard gets updated to accepted requests and consequently a feedback form is launched to remark the service and the service provider. The admin can block or unblock a service provider based on the reviews sent by the customers along with it, it would accept or reject a service provider's signup based on its resume.

Approach:

An app.py and a controller file was created wherein Application setup connectivity with database and routes have been defined. For designing purposes, under templates html files are created and styling CSS and bootstrap are used. ER diagram is drawn to understand the data flow model and then a models file is created. I divided the services into categories and subcategories to ensure organized service management. Finally, I chose Flask as the framework for the backend, combined with SQLite for the database and Bootstrap for the frontend to create a responsive design.

3.Frameworks and Libraries Used

Backend:
Flask was chosen for its simplicity and flexibility in developing web applications. It allowed easy routing, session management, and integration with SQLite.

Frontend:
Bootstrap was used to create a user-friendly and responsive design for the platform, ensuring smooth interactions across various devices.

Database:
SQLite was selected as the database to manage the service request data, user details, and service categories due to its lightweight and easy-to-integrate nature with Flask.

Other Libraries:

Jinja2: For templating in the Flask application.

SQLAlchemy

4.Entity Relationship Diagram