

HomeHaven

Author:

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Hobbies: Football, guitar and watching movies.

I learned a great deal about website building in this project. Although frustrating at times, I managed to finish the project and learn a lot of valuable skills.

Description:

HomeHaven, which is household services app is a comprehensive Flask web-application designed to streamline and help with various aspects of household activities and responsibilities. This system aims to help users efficiently manage their homes, tasks, and schedules, ultimately enhancing the overall quality of their house.

Technologies used:

The technology stack for the Household services application project includes:

- Flask for application code
- Jinja2 templates + Bootstrap for HTML generation and styling
- Flask-SQLAlchemy for creation and manipulation of databases
- SQLite (python standard library – sqlite3) for data storage
- Datetime, a simple function to access current dates
- Python dotenv module to import all variables stored in the .env file

Architecture and Features:

The project follows the MVC (Model-View-Controller) pattern for better organization and modularity. Controllers handle HTTP requests and application logic, HTML templates using Jinja2 generate dynamic outputs, and static assets in the static folder which includes the logo for the app (I have used internal or inline styling mainly)

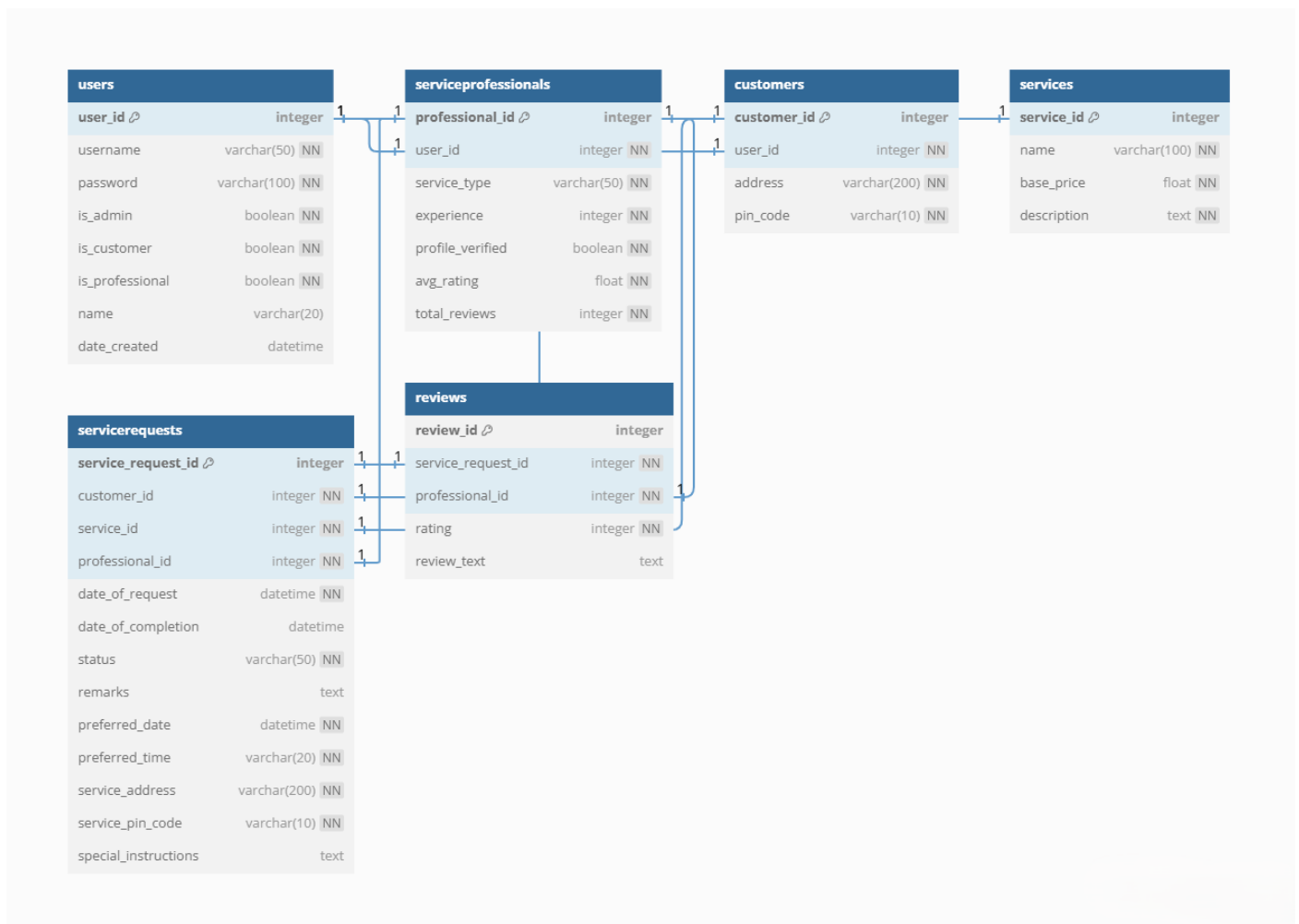
Some functionalities include:

- Login/Registration of user
- Implementation of all user dashboards.
- Add/Edit/Delete Services (Service management - Admins Only)
- Verification of a Service Professional (User Management – Admin only)

- Removal of a user based on ratings or any other fraudulent activities (Admin only)
- Booking of a service via a service-request by customer.
- Accepting, rejecting and completing of said request by service professional
- Implemented a review system for customers to give to professionals after completion.
- Editing of profile by both customers and service professionals.
- Searching of customers and professionals for admin and searching of services for customer.

DB Schema Design:

I have created total 5 tables with each having relationships which are properly defined. Below find attached the ER diagram for said application which highlights all attributes and relationships:



Project Demonstration Video:

https://drive.google.com/file/d/1cCTQB5SSWXDW_cdJoM8unm97va9yG5S2/view?usp=sharing