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If something is interesting, then I would like to learn it. The more challenging it is, the more fun it is to learn. Not that I know everything, but I would like to learn everything.

Description

This project is designed to build a **Household Services Application** that allows customers to book services, service professionals to accept or reject requests, and an admin to manage users and services. The platform facilitates communication and service management between the three roles: customers, service professionals, and the admin.

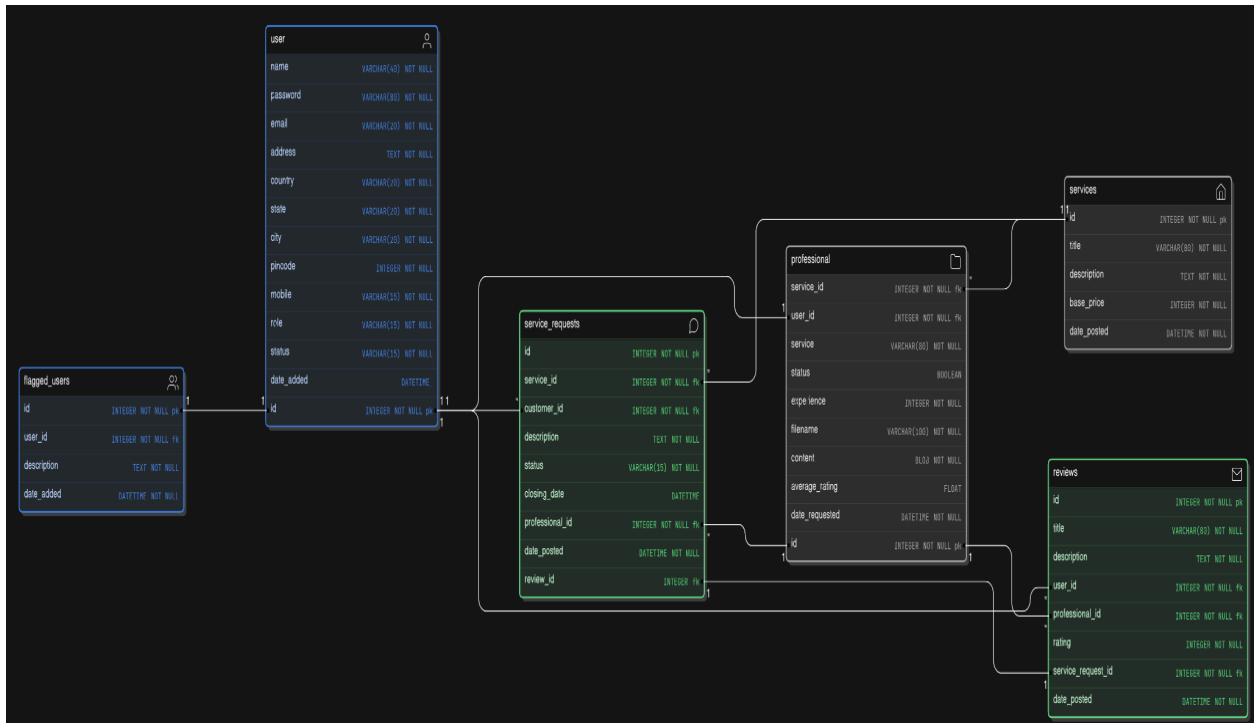
Technologies used

Flask, Jinja2, Bootstrap, SQLite, SQLAlchemy, Flask-WTF, Flask-Login

Flask is a lightweight Python framework that handles routing, requests, and templates, making it ideal for multi-user applications. Jinja2 is used for dynamic HTML rendering, while Bootstrap ensures a responsive and visually appealing UI. SQLite is chosen for its simplicity and ease of use for small-scale projects. SQLAlchemy provides ORM capabilities to interact with the database, and Flask-WTF and Flask-Login handle form validation and user authentication, respectively.

DB Schema Design

- **User Table:** for all users (customers, professionals, admins).
- **Professional Table:** for users who have chosen to be service professionals, storing their expertise and experience.
- **Flagged User Table:** to track flagged users and the reason for flagging.
- **Reviews Table:** for customer feedback on professionals.
- **Service Request Table:** to manage customer service requests, linked to users and services



Architecture and Features

The project is structured in a typical Flask application format:

- Main:**
 Everything is inside the Main.py had some circular problem with python and started as in same document which elebrated in one whole massive document with all the model forms as well as the controlllers
- Templates:**
 The HTML templates are stored in the `templates/` folder. Jinja2 is used for rendering dynamic content, such as displaying service details, user information, and reviews.

Video

📺 screen-capture (1).webm