

Household Services Application

Student Details:

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Problem Statement:

“**Expert Household Services**” is a multi-user application (requires one admin and other service professionals/ customers) which acts as platform for providing comprehensive home servicing and solutions.

Technologies Used:

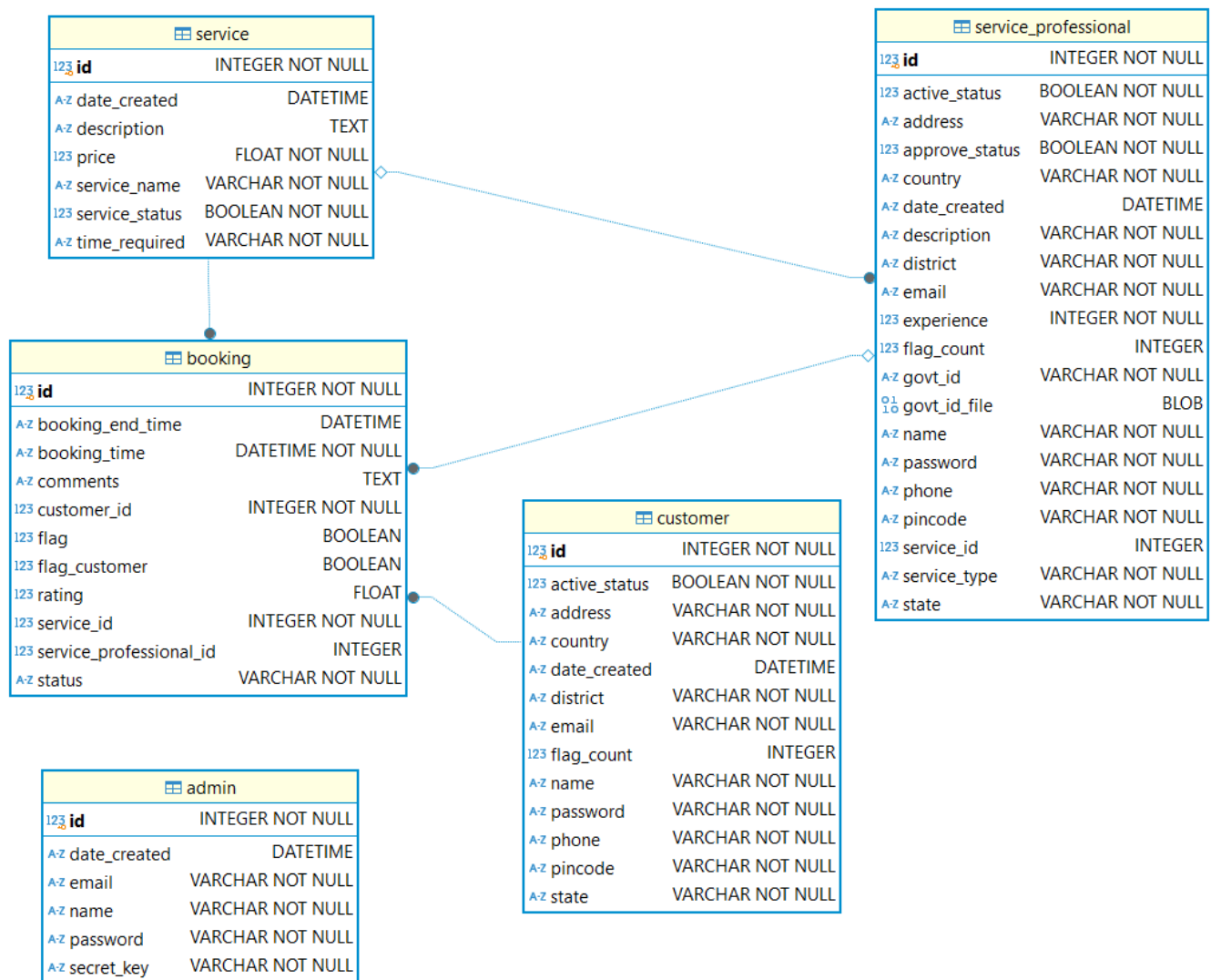
I have used this for building my **Expert Household Services** application:

- **Flask:** Used for building routes and managing the web application.
- **Werkzeug:** Utilized for security, including password hashing and file handling.
- **SQLAlchemy:** Employed for ORM and database management.
- **DB Browser for SQLite:** Used to view and manage SQLite database tables easily.
- **datetime:** Integrated for managing date and time operations.
- **io.BytesIO:** Used to handle in-memory file streaming.
- **HTML:** The backbone of the web pages, structuring content effectively.
- **CSS:** Used for styling the application to enhance the user interface.
- **JavaScript:** Implemented for adding interactivity and enhancing user experience.
- **Bootstrap:** Applied for responsive design and professional styling.
- **Chart.js:** Used for creating interactive data visualizations.
- **functools:** Employed for decorators to manage route-specific login checks.

My Approach:

I started by looking at the project instructions and wireframe to understand what the app needed. I worked step by step: first, I set up and tested the database, then I built the user-friendly frontend. The MAD1 project sessions and a bootcamp helped me learn important concepts, and I asked classmates for help when I had problems. By mixing ideas from online resources with my own, I created a wireframe that guided me in building features like service management and data visualizations, making the app complete and easy to use.

ER-Diagram:



Project Demonstration:

The demonstration of the project can be viewed at the following link:

[Expert Household Services](#)