A - Z HouseHold Services
MAD 1 Project
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Student Details

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Project Details

The A-Z Household Services application is a comprehensive platform connecting customers with professionals offering various household services such as plumbing, electrical repairs, and cleaning. The app features separate dashboards for customers, professionals, and admins, enabling seamless booking, request management, and service monitoring. With functionalities like real-time service status updates, feedback mechanisms, and professional analytics, the platform ensures efficiency and user satisfaction.
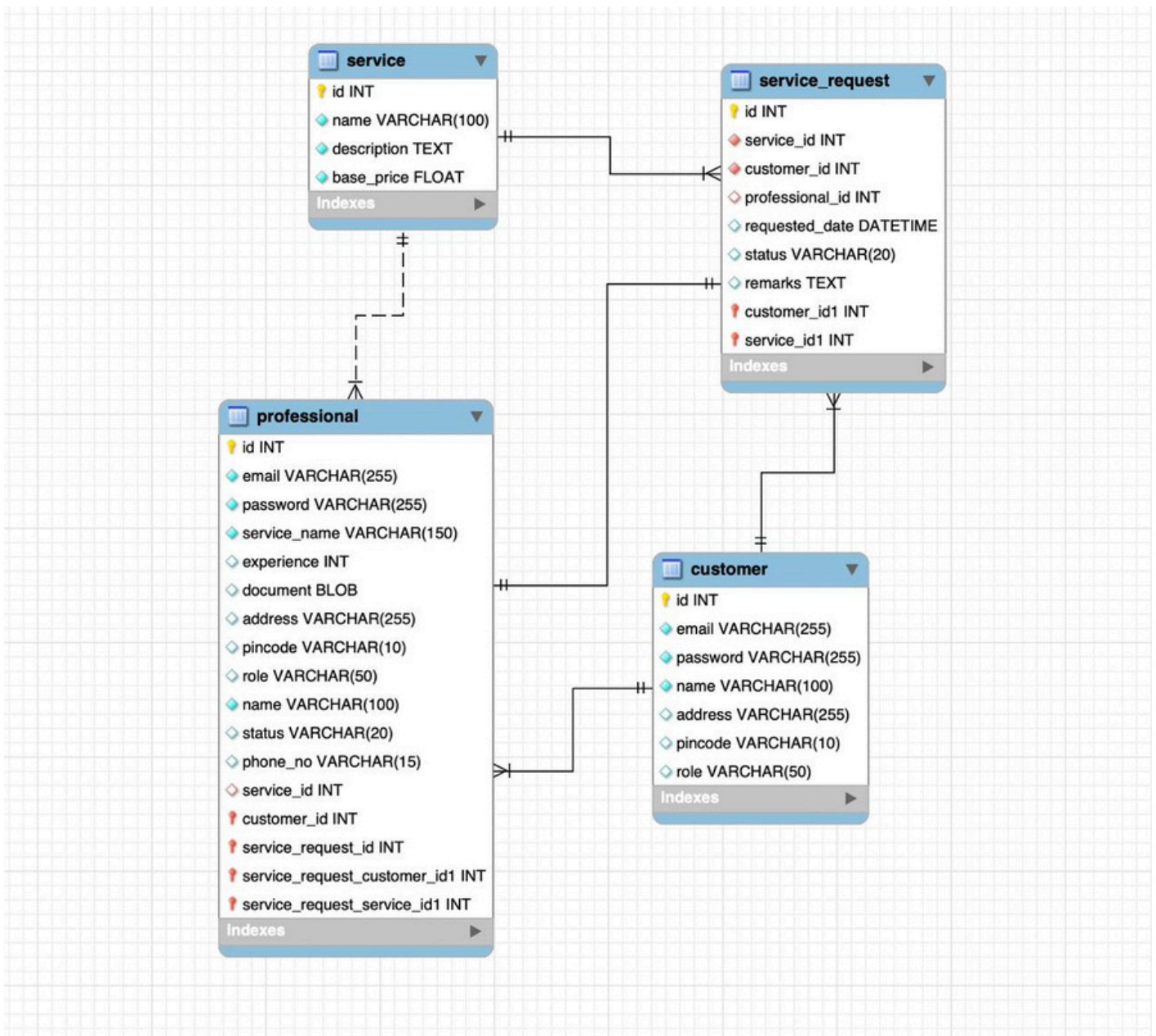
How I approached this problem

Well , I began by identifying key user roles - admin , customers , professionals and their specific requirements . I designed an application with separate dashboards for each role , ensuring clarity and usability. The database schema was designed to fit the specific requirements of the application. Using Flask , I implemented authentication and role based access to the dashboards . I added features like service / professional / customer search , analytics and real time service request status update . The app is simple to use with beautiful CSS.

Frameworks and Libraries used

Flask , Flask-Bootstrap , Flask-Login , Flask-SQLAlchemy , Jinja2 , Werkzeug , PyMySQL , Javascript , smtplib , HTML and CSS

ER Diagram

service
- id INT
- name VARCHAR(100)
- description TEXT
- base_price FLOAT
- Indexes

service_request
- id INT
- service_id INT
- customer_id INT
- professional_id INT
- requested_date DATETIME
- status VARCHAR(20)
- remarks TEXT
- customer_id1 INT
- service_id1 INT
- Indexes

professional
- id INT
- email VARCHAR(255)
- password VARCHAR(255)
- service_name VARCHAR(150)
- experience INT
- document BLOB
- address VARCHAR(255)
- pincode VARCHAR(10)
- role VARCHAR(50)
- name VARCHAR(100)
- status VARCHAR(20)
- phone_no VARCHAR(15)
- service_id INT
- customer_id INT
- service_request_id INT
- service_request_customer_id1 INT
- service_request_service_id1 INT
- Indexes

customer
- id INT
- email VARCHAR(255)
- password VARCHAR(255)
- name VARCHAR(100)
- address VARCHAR(255)
- pincode VARCHAR(10)
- role VARCHAR(50)
- Indexes

Video Drive Link -

https://drive.google.com/file/d/1unLLDYPSAXDN1X4wtf862CS4sRbnjHzS/view?usp=sharing