

# Project Report: Household Services Application

## Student Details

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## Project Details

Project Title: Household Services Application

## Problem Statement

The application serves as a multi-user platform for providing comprehensive home servicing solutions. It supports three roles:

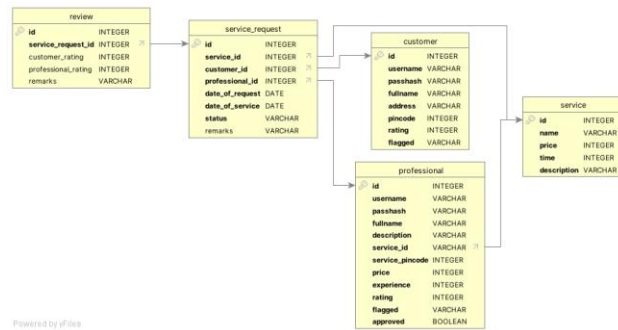
1. Admin: Manages services and users.
2. Service Professionals: Provides services to customers.
3. Customers: Books and reviews services.

The app facilitates seamless interactions, service management, and user monitoring while ensuring local machine demonstrations using Flask, Jinja2 templates, SQLite, and Bootstrap for development.

## Frameworks and Libraries Used

1. Flask: For backend logic and routing.
2. Jinja2 Templates + Bootstrap: For generating and styling HTML pages.
3. SQLite: As the database to store user and service details.
4. Flask-SQLAlchemy for interacting with the SQLite database

## ER Diagram



## Routing and Functionalities

The application uses Flask routing to manage the following functionalities:

### 1. Authentication and User Management:

- User login for Admin, Service Professional, and Customer.
- Separate registration forms for Customers and Service Professionals.

### 2. Admin Functionalities:

- Admin dashboard to manage users and services.
- Create, update, or delete services.
- Block/unblock users and approve Service Professionals.

### 3. Customer Functionalities:

- Customer dashboard to view/search services.
- Create and manage service requests.
- Submit feedback for completed services.
- Close service requests after completion.

### 4. Service Professional Functionalities:

- View assigned service requests.
- Accept or reject service requests.

## Drive Link to Presentation Video

[https://drive.google.com/file/d/1VZOj1BWv95jeT6WG0\\_00AEqPMjmBOVFh/view?usp=sharing](https://drive.google.com/file/d/1VZOj1BWv95jeT6WG0_00AEqPMjmBOVFh/view?usp=sharing)