

HOUSEHOLD SERVICES APPLICATION

Life Made Easy

Project Report by Hafiza
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Modern Application Development – I
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STUDENT DETAILS

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ABOUT ME

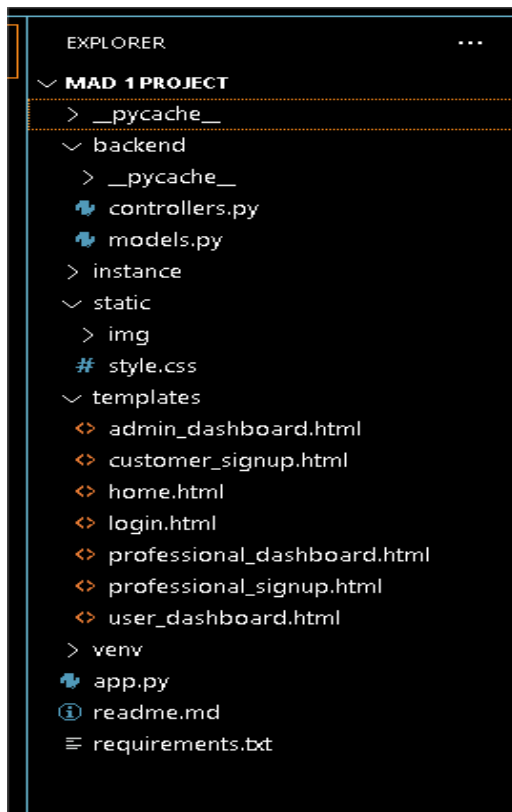
I ENJOY TACKLING COMPLEX PROBLEMS BY BREAKING THEM INTO SMALLER, MANAGEABLE PIECES, ALLOWING ME TO APPROACH EACH CHALLENGE SYSTEMATICALLY AND FIND EFFECTIVE SOLUTIONS WITH CLARITY AND PRECISION I AM PASSIONATE ABOUT PUSHING THE BOUNDARIES OF TECHNOLOGY. IT'S BEEN AN INCREDIBLE JOURNEY OF LEARNING, PROBLEM-SOLVING, AND BRINGING IDEAS TO LIFE. WHEN I AM NOT GLUED TO THE SCREEN, YOU WILL PROBABLY FIND ME READING BOOKS OR POETRY.

PROJECT DESCRIPTION

THIS PLATFORM SERVES AS A DYNAMIC BRIDGE BETWEEN USERS AND PROFESSIONALS, ENABLING SEAMLESS SERVICE EXCHANGES. USERS CAN EFFORTLESSLY BOOK SERVICES ANYTIME, WHILE PROFESSIONALS GAIN VALUABLE OPPORTUNITIES TO WORK EFFICIENTLY. EVERY FEATURE, FROM INTUITIVE ANALYTICS TO STREAMLINED MANAGEMENT, REFLECTS MY COMMITMENT TO CREATING IMPACTFUL, USER-CENTRIC TECHNOLOGY.

HOW I APPROACHED THE PROBLEM STATEMENT

I BEGAN THIS PROJECT BY CREATING A SEAMLESS LOGIN AND SIGNUP SYSTEM USING BOOTSTRAP FOR A RESPONSIVE AND USER-FRIENDLY INTERFACE. FROM THERE, I DEVELOPED STRUCTURED TABLES TO MANAGE DATA EFFICIENTLY AND BUILT SEPARATE DASHBOARDS TAILORED FOR USERS, PROFESSIONALS AND ADMIN. EACH DASHBOARD WAS DESIGNED WITH UNIQUE FEATURES, ENSURING FUNCTIONALITY SPECIFIC TO THEIR ROLES, LIKE SERVICE BOOKING, REQUEST HANDLING, AND ANALYTICS, ALL AIMED AT CREATING A COHESIVE AND DYNAMIC PLATFORM.

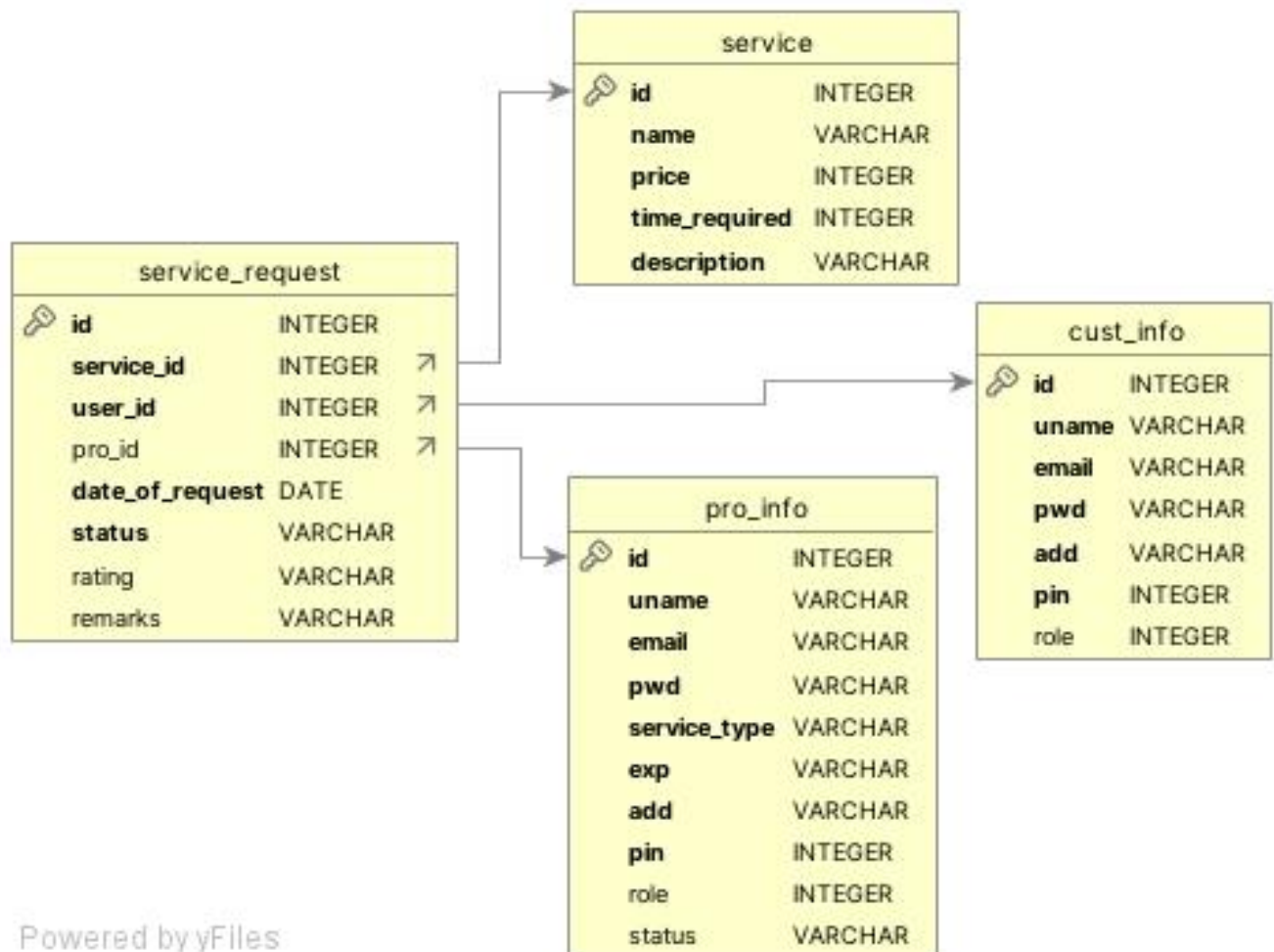


TECHNOLOGIES USED

- 1) **FLASK:** Backend framework for building the web application
- 2) **SQLITE:** Database management system for storing application data.
- 3) **HTML/CSS/JAVASCRIPT:** Frontend technologies for user interface design and interactivity. Bootstrap 5, JSON.
- 4) **CHART JS:** Used for creating different types of charts on the admin, user and professional dashboard, **JSON** for rendering chart data

DB SCHEMA DESIGN

THE DATABASE SCHEMA ENCOMPASSES TABLES FOR USERS, PROFESSIONALS, SERVICE REQUEST AND SERVICES. THIS DATABASE CONSISTS OF FOUR TABLES: CUST_INFO FOR CUSTOMER DETAILS, PRO_INFO FOR PROFESSIONALS WITH SERVICE TYPE AND STATUS, SERVICE FOR SERVICES WITH NAME, PRICE, AND DESCRIPTION, AND SERVICE_REQUEST FOR BOOKING DETAILS, LINKING CUSTOMERS, PROFESSIONALS, AND SERVICES. IT TRACKS REQUEST DATES, STATUSES, RATINGS, AND REMARKS, ENABLING DYNAMIC INTERACTIONS BETWEEN USERS AND PROFESSIONALS FOR SERVICE MANAGEMENT.



PROJECT VIDEO :

https://drive.google.com/file/d/IIHo7-b5QLJwWAMAQWIT02fmek6lu6B4y/view?usp=drive_link

