

Household Services Application MAD - 1 Project Report

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Project Description - The Household Service App offers a seamless, all-in-one platform that connects customers with top-notch service professionals, ensuring a hassle-free experience for home solutions. Inspired by the convenience of popular apps like Urban Company, this platform is built with simplicity, efficiency, and user satisfaction in mind.

The app features three user roles: **Admin**, **Service Professionals**, and **Customers**. The **Admin** is the sole authority responsible for managing the list of services on the platform, ensuring quality and consistency. **Service Professionals** can register to provide only the approved services, streamlining their offerings and helping maintain high standards. **Customers** benefit from a curated selection of services and can rate the service professionals, allowing for continuous quality improvements and customer-driven feedback.

Our app delivers a trustworthy platform where every interaction is managed, rated, and maintained for an exceptional user experience. It makes household services as convenient as a few clicks away.

Core Functionalities -

- a) Admin, Customer, Service Professional Login
- b) Search Functionality for the customer.
- c) Customers can edit their profiles.
- d) Customers can search for a service, request a service, and give ratings and reviews after the completion of the service.
- e) Customers can select any service professional for their service.
- f) Customers also have the option of closing the service.
- g) Service professionals can edit their experience.
- h) Service professionals can accept or reject any service request.
- i) Service professionals can close the service after its completion.
- j) Service professionals can view the reviews/ratings the customer gives them.
- k) Admin can approve/reject the customer.
- l) The admin can approve/reject the service professional by viewing the document they shared.
- m) Admin can create a new service, and edit or delete the existing service.
- n) Admin can search for a service professional or customers to block/approve them.

Frameworks and libraries used in the project -

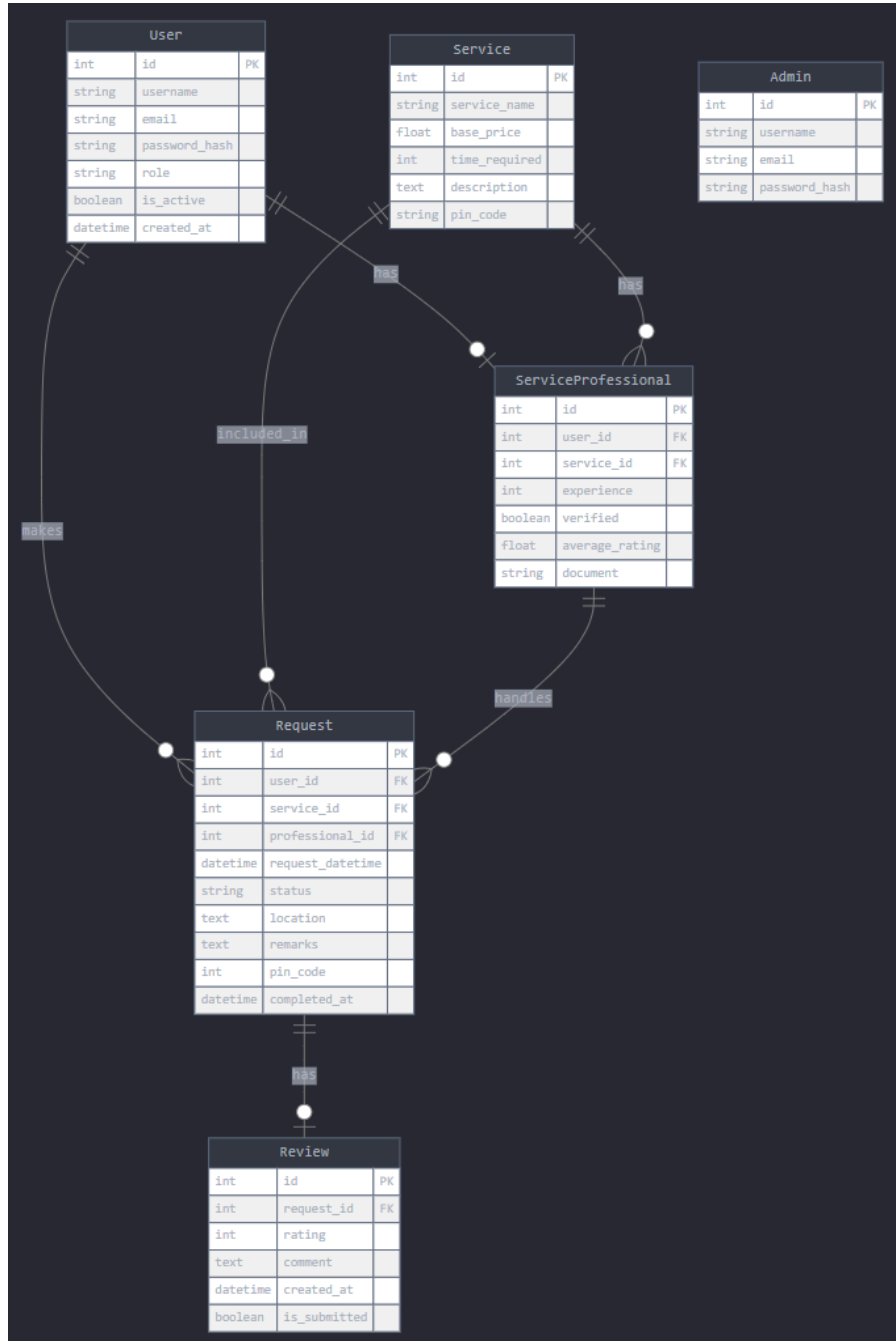
- a) **Flask** - Used for backend development
- b) **Flask login** - To authenticate the users
- c) **Bootstrap** - Used for frontend development
- d) **CSS** - Used for designing the signup and login page
- e) **Jinja2** - Used for creating templates

Routes used in the project -


- a) **/signup** - Common signup form for Customers and service professionals
- b) **/login** - Common login form for Customers and service professionals
- c) **/logout** - Route to logout the user
- d) **/admin/login** - Separate login form for the admin
- e) **/admin/dashboard** - admin dashboard for monitoring the services, customers and service professionals
- f) **/admin/manage_customers** - for approving or blocking the customers.
- g) **/admin/manage_professionals** - The admin can manage the professionals by blocking or approving them
- h) **/admin/view_document/<int:professional_id>** - the admin can view the document uploaded by the service professionals
- i) **/admin/approve_professional/<int:id>** - the admin can approve the professional after verifying the document
- j) **/admin/block_user/<int:id>** - the admin can block any user
- k) **/admin/services** - the admin can manage services
- l) **/admin/services/new** - the admin can create new services
- m) **/admin/services/edit/<int:id>** - admin can edit any service
- n) **/admin/services/delete/<int:id>** - the admin can delete any service
- o) **/admin/logout** - logout for the admin
- p) **/customer_dashboard** - a dashboard for the customer to do different activities
- q) **/services** - the customer can view the services created by the admin
- r) **/book_service/<int:service_id>** - the customer can book any service by checking the price and description of the service
- s) **/customer/current_bookings** - the customer can view the bookings made by him under current bookings
- t) **/customer/profile** - a profile page for the customer
- u) **/customer/edit_profile** - the customer can edit their existing profile the email id, the password, and the name.
- v) **/rate_service/<int:request_id>** - the customer can rate the service after its completion
- w) **/serviceprofessional_dashboard** - a dashboard for the service professional where he can do different activities

- x) **/accept_request/<int:request_id>** - the professional can accept the service if he wants
- y) **/reject_request/<int:request_id>** - the professional can reject the request if they already have a booking for that day and time
- z) **/edit_professional_experience** - the service professional can edit their experience
- aa) **/complete_service/<int:request_id>** - the service professional can mark a service as complete after its completion

Database Schema -



Video Link -

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