

HouseHold Services

Project (Sept term) Report

Student Details

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Household Services

Platform where professionals can join and offer household services like electrician, plumbing etc and customers can book the service from the ease of their home.

Frameworks and libraries used

Backend: Flask, Celery, Redis, flask_jwt_extended, flask_bcrypt, flask_sqlalchemy, flask_wtf.
Frontend: Vue.js, Pinia, Vue-Router, Axios, Chart.js.

DataBase Schema Details

User: Primary information about users of any role; admin, service_pro or customer.

Role: Role information.

Services: Information of Services offered by platform.

Service_pro: Service Providers/Professional specific Information.

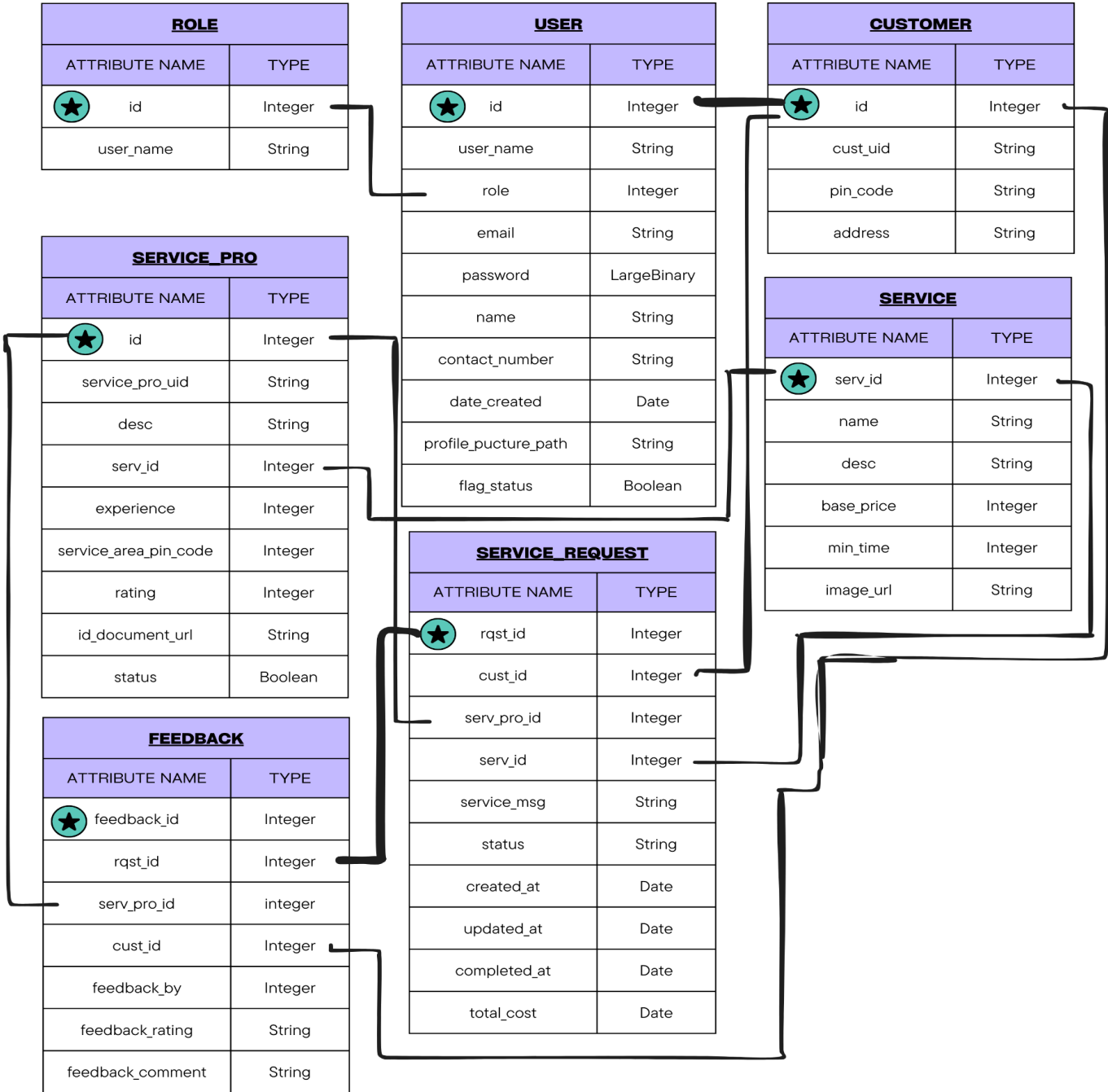
Customer: Extra Information about Customers..

Service_request: Information about a request created, like who created it? ID of Customer, provider, service etc.

Feedback: After successful completion of request, feedback and rating can be added about service or service_provider or customer.

Entity Relationship

User, role, service, service_pro, customer, service_request, feedback



Api Endpoints

Note: Add prefix /api to access api endpoints.

Authentication: "/get_csrf_token", "/login", "/logout"

To register: "/register"

Create/get Servicepro Account(post registration): "/create/service_pro", "/get/service_pro"

Get/create customer account(post registration): "/create/customer", "/get/customer"

Approve Service Pro (Admin only): "/professional/status/<int:id>/<string:action>"

Service endpoints: "/create/service", "/update/service/<int:serv_id>",

"/delete/service/<int:serv_id>"

Get all Services: "/services"

Get Service by id: "/services/<int:serv_id>"

Get all Professional Details: "/get/professionals"

Get User Profile by id: "/profile/<int:id>"

CompleteRequest: '/request/complete/<int:rqst_id>')

Add Feedback: '/request/feedback/<int:rqst_id>'

Get feedbacks on specific professionals: '/feedback/<int:serv_pro_id>'

CreateServiceRequest: '/customer/service-requests', "/book_service/<int:serv_pro_id>",

"/request/<string:action>/<int:rqst_id>'

ServiceReport(Admin only): "/create-report", "/get-report/<task_id>"

FlagUser :"/flag-user/<int:id>"

Statistics: "/dashboard/stats/<string:stat_type>"

currently stat_type options are only : ['service', 'request', 'service_request']

Important Objectives

- Service provided only after verification of a service provider.
- Flagging/Unflagging a User.
- New services can be added by an admin.
- Service providers as well as customers can reject/cancel a request and add feedback and rating.
- Monthly report for customers sent through email containing information about services they created.
- Daily reminders to service providers sent through emails about pending requests they have (if any).

Demo video: [23f1002364 Project Demo](#)