A TO Z HOUSEHOLD SERVICES

MODERN APPLICATION DEVELOPMENT – 1

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Author:

Shrikkumar Venkatesh 22f3001931 22f3001931@ds.study.iitm.ac.in

Description:

To develop a Web Application where Customers can request a service based on their location / pincode / service_name, Service Professionals can accept/reject this request and Admins can administer the Application.

Technologies Used:

- Python For developing the code (Backend)
- Flask Framework Used for routing, templating and Database Integration
- SQLAlchemy To create Database, Tables to store Data
- HTML, CSS For Frontend purpose to show the Web Application
- Bootstrap For login, registration pages, Forms

DB Schema Design:

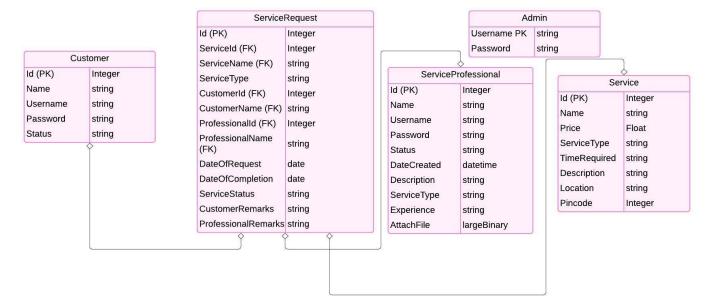
- Admin 2 columns Username(primary key) and password for admins
- Customer 5 columns id(primary key, autoincrement), name(unique), username(unique), password, status
- ServiceProfessional 10 columns id(primary key, autoincrement), name(unique), username(unique), password, status, date_created, description, service_type, experience, attach_file(db.LargeBinary)
- Service 8 columns id(primary key, autoincrement), name(unique), price, service_type, time_required, description, location, pincode
- ServiceRequest 13 columns id(primary key, autoincrement), service_id(ForeignKey-Service.id), service_name(ForeignKey-Service.name), service_type, customer_id(ForeignKey- Customer.id), customer_name(Customer.name), professional_id(ServiceProfessional.id), professional_name(ServiceProfessional.name), date_of_request, date_of_completion, service_status(check constraint IN requested, assigned, closed), customer_remarks, professional_remarks

Architecture and Features:

The project consists of instance, static, and template folders. The instance file has the sqllite file for database. The static file consists of css, js and some images for the project. The templates folder consists of all the html files. Other than these there are 2 python files app.py and db_setup.py which consists the code for the Application.

Features Implemented – Login, Registration, Add/Update/Delete Service, Request Service and close Service Request by customer, Accept/Reject Service Request by Service Professional, Delete/Block Customer, Service Professional by Admin, Search Service based on location, pincode, service name, Logout, app.route used to define the URL mapping for specific function.

ER Diagram:



Video Link:

https://drive.google.com/file/d/1j3P4c5quDLQUOBgazUXdg2o5AsgaY8fK/view?usp=sharing