

PROJECT REPORT

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DESCRIPTION:

Objective was to create a multi-user app which acts as a platform for providing comprehensive home servicing and solutions.

APPROACH:

First the virtual environment was set up, followed by importing necessary libraries and frameworks. Created database with necessary classes and modified them while programming to meet project requirements. Routes were created and modified for reliant navigation of the application.

FRAMEWORKS USED:

- SQLite for data storage
- Flask for API
- VueJS for UI
- Bootstrap for HTML generation and styling
- SQLite for database
- Redis for caching

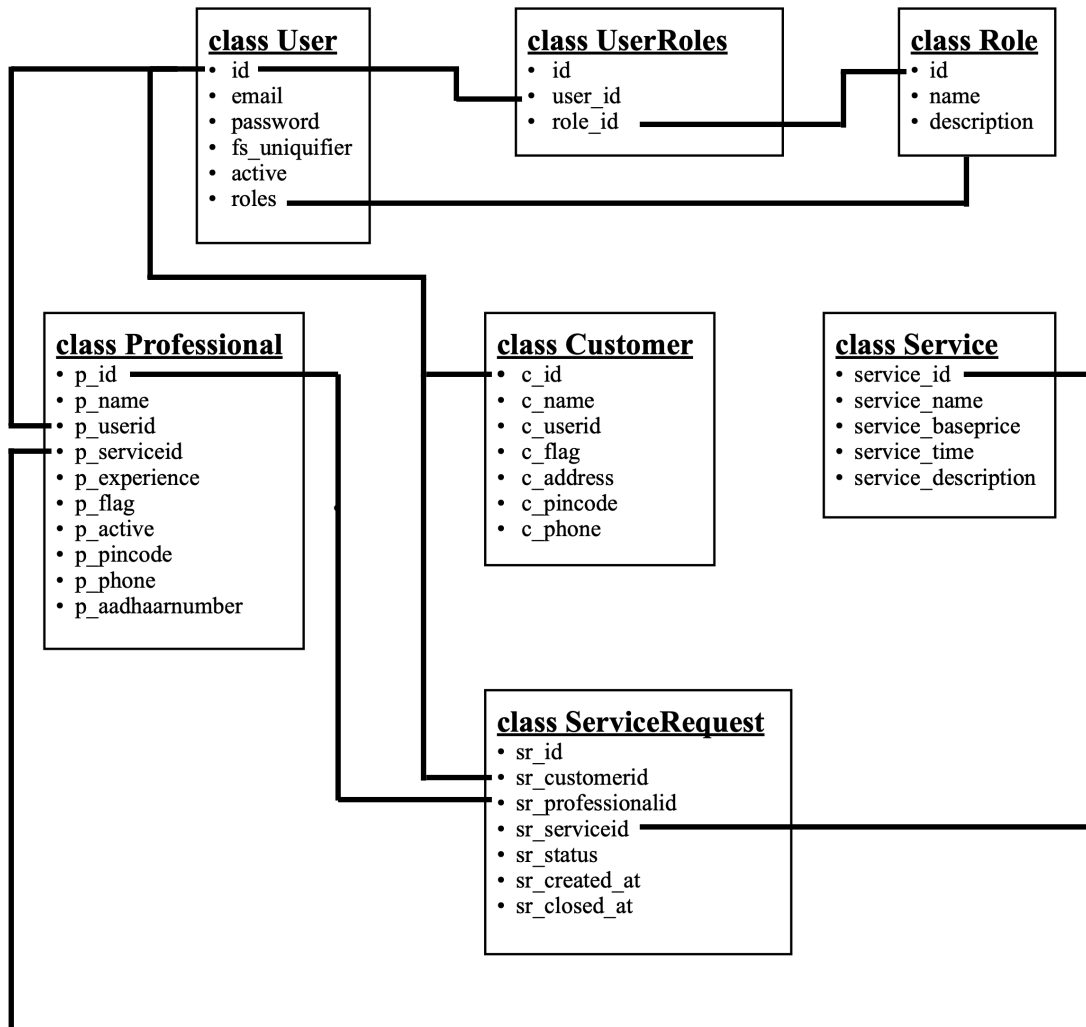
IMPORTANT TECHNOLOGIES USED:

- bcrypt
- cachelib
- celery
- Flask
- Flask-Caching
- Flask-Excel
- Flask-Login
- Flask-Principal
- Flask-RESTful
- Flask-Security-Too
- Flask-SQLAlchemy
- Flask-WTF
- Jinja2
- MarkupSafe
- redis
- SQLAlchemy
- Werkzeug

API Design

- ServiceAPI
- ServiceListAPI
- CustomerAPI
- CustomerListAPI
- ProfessionalListAPI
- ProfessionalsByServiceAPI
- BookServiceAPI
- ServiceRequestsForCustomerAPI
- ServiceRequestsForProfessionalAPI
- UpdateServiceRequestStatusAPI
- CloseServiceRequestAPI
- CloseServiceRequestByProfessionalAPI
- DeleteServiceRequestAPI

DB SCHEMA DESIGN:



ARCHITECTURE:

PROJECT ROOT FOLDER-

- **backend-** config.py, create_initial_data.py, models.py, resources.py, routes.py , celery
- **frontend-** components, pages, utils, app.js, index.html
- **instance-** database.sqlite3
- static/images

DRIVE LINK:

https://drive.google.com/file/d/1r_YIX7RFx5o9dHg4CXXqO1BFM8svhTed/view?usp=sharing