Household Services Application

Modern Application Development 1 - Project

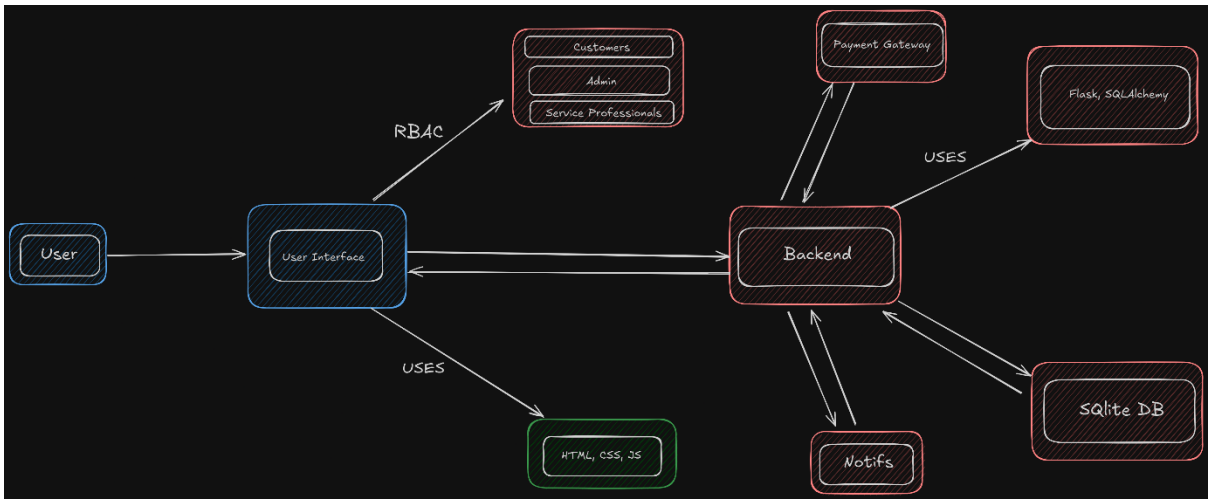
Submitted by

Name: Anshul Ramdas Baliga

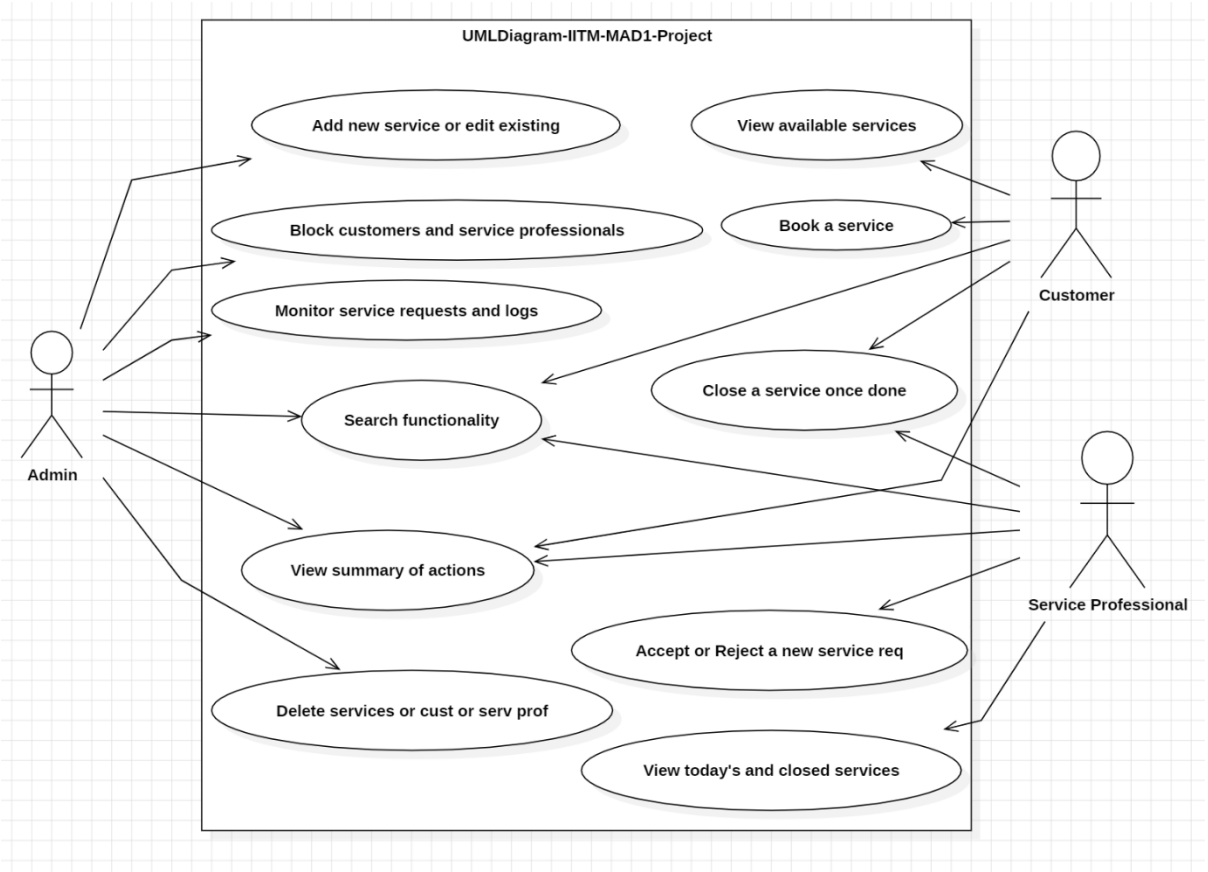
Roll number: 22f3002743

1. Project Details and Approach:

- After reading and completely understanding about the problem statement, I created a draft High Level Design (HLD) and a UML Diagram on the functionalities of how my webapp will look.



HLD of Household Services Application



UML Diagram of Household Services Application

- I then made a GitHub repo, configured a basic backend via SQLite DB Browser, activated a virtual environment, and configured the basic '.py' files such as app, config, models, routes.py and a static folder for images and a template folder for html pages.
- From the 23th of September till today, I regularly worked on the project, as can be seen from my commit history on GitHub, and started out from the home page to the entire working webapp.
- I first worked on a basic frontend via HTML, then moved to the backend side for that page and so on.

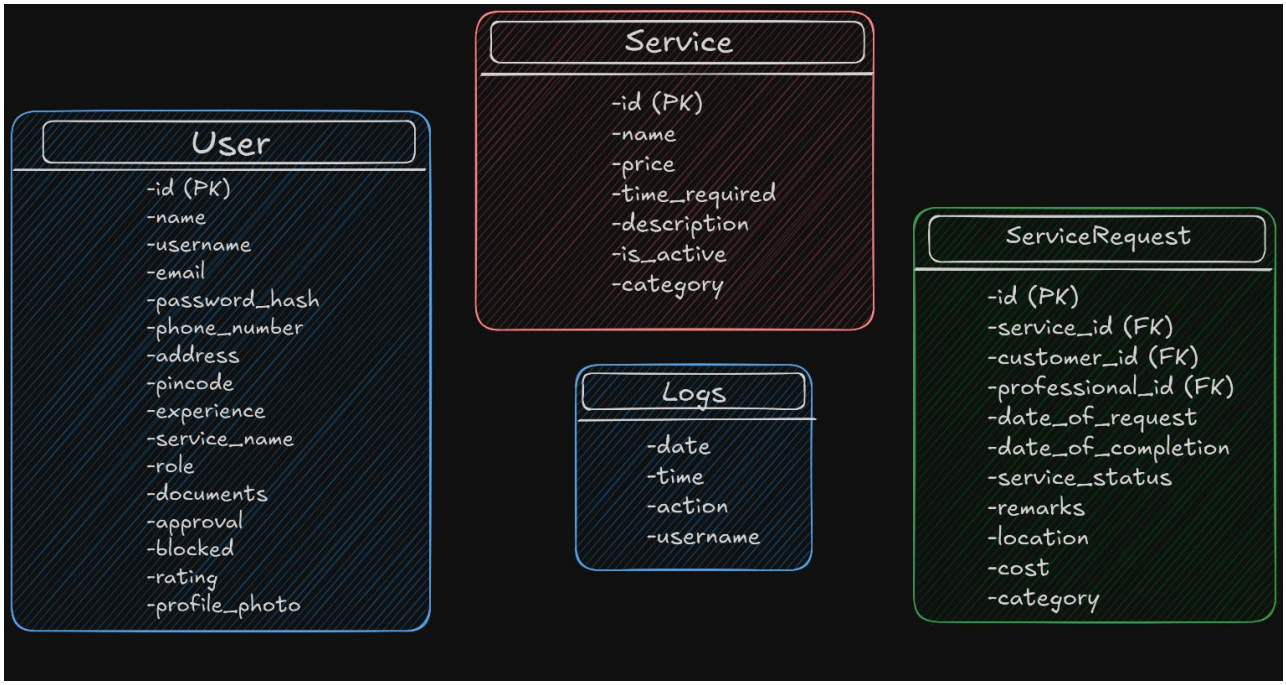
2. Frameworks and Libraries used:

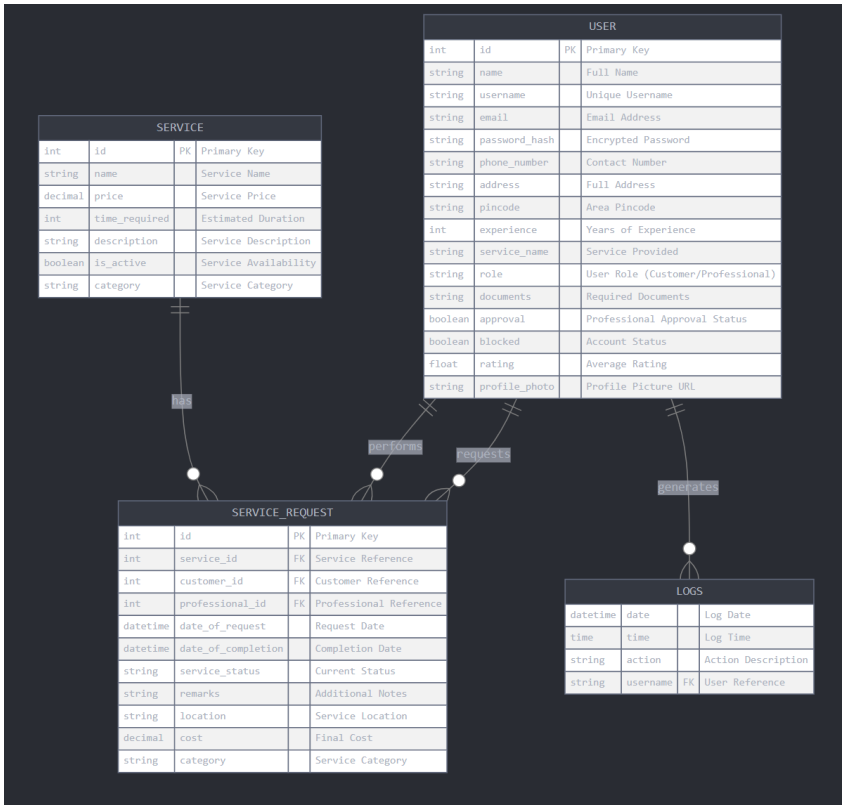
- Programming Languages:
  (a) Python (for backend)
  (b) HTML (for frontend)
  (c) JavaScript (for visualisations)
- Frameworks:
  (a) Flask (for backend and API management)
  (b) Bootstrap (for frontend styling)
- Database:
  (a) SQLite (for storage)
- Tools:
  (a) Git

(b) SQLite DB Browser
(c) Chart.js

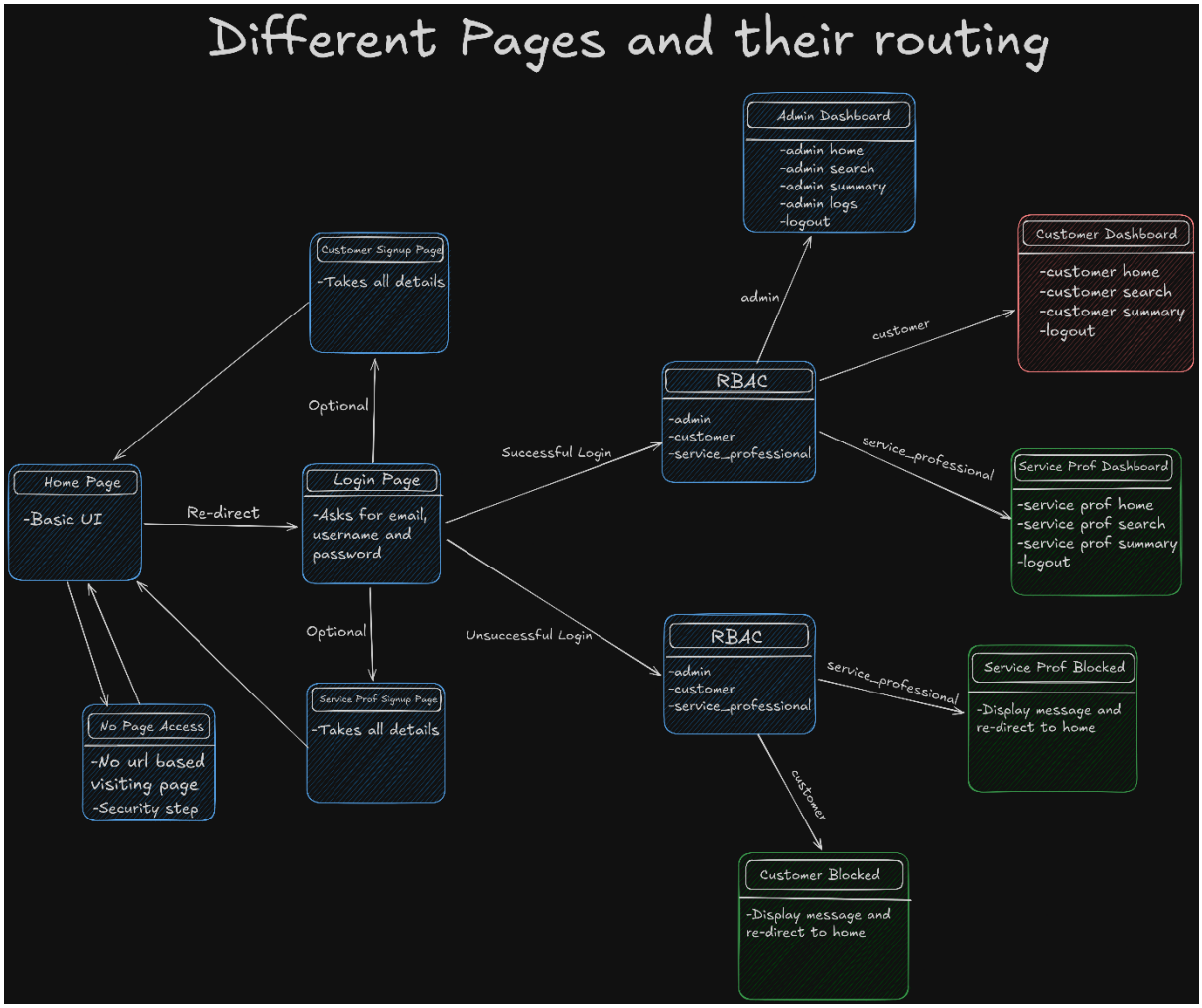
3. ER Diagram of DB:

I have used 4 tables: User, Service, ServiceRequest, and Logs.





4. Different Pages and their routings (based on my approach):



5. GitHub Link:

https://github.com/anshulbaliga7/iitm-mad1-project

6. Drive Link for Video Presentation:

https://drive.google.com/drive/u/2/folders/12GiWUKBfCwSCHGPqG_LFE8XQ7Wt-jAij