

MAD-I Project Report On Household Services app

Student Details:

- Name: Suhani Dubey
- Roll no: 23f1002698
- Student-mail: 23f1002698@ds.study.iitm.ac.in

Project Details

Question Statement: Make a Household Services app, a multi-user app (requires one admin and other service professionals/ customers) which acts as a platform for providing comprehensive home servicing and solutions.

How did I approach the problem?

This project was built entirely by following the project sessions by Adarsh Madre sir. I decided to make the project bit by bit, starting with the least daunting task to the most complex one. I created the login and signup pages first followed by dashboards and then adding the core functionalities of the app, booking professionals and closing services. Then I proceeded to add the search and summary pages. Finally, I created the APIs.

The styling was done using only Bootstrap. The Modals functionality was used to add additional features such as leaving ratings after a service closes, editing profiles, adding and editing services by admin etc.

Key Learnings

- This was my first experience with website development and was a brilliant segway into the complex task.
- I learned how to seamlessly connect backend and frontend to make the functioning of the app smooth and practical.
- Understood UI/UX and made sure to not include things I find annoying when I visit websites.
- Learned how to effectively understand errors and debug them.

Frameworks/Libraries used:

- Flask for application code
- Jinja2 templates + Bootstrap for HTML generation and styling
- SQLite for data storage
- Python's matplotlib for graphs

ER Diagram Link - [Database](#)

Video Link - [Video](#)

API Resource Endpoints:

GET - /api/professionals_by service/<service_name>