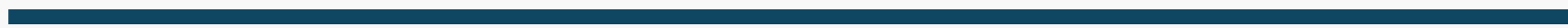




MAD II Project

HOUSE HOLD SERVICES PROJECT REPORT

DS23F1002574



Introduction

This application is designed to streamline the process of connecting customers with professionals offering various services. It allows users to register as customers or servicemen, place service requests, and track their status efficiently. The app features robust backend implementations, including automated tasks for generating monthly reports summarizing customer activities and sending notifications to servicemen about pending tasks. The primary objective is to provide a seamless platform for service management, ensuring timely completion of tasks and improved user satisfaction. By leveraging data insights and automation, the application enhances operational efficiency while maintaining user-centric functionality.



App models

Model Name	Attributes	Relationships
User	<code>id (PK), username, email (unique), password, active, roles</code>	- Referenced by Servicemen via <code>id</code> and <code>username</code> . - Referenced by ServiceOffer via <code>id</code> .
Servicemen	<code>id (PK), id_u (FK -> User.id), name (FK -> User.username), Docreate, service (FK -> Service.name), experience, description, rating, status, imgx</code>	- Linked to User via <code>id_u</code> and <code>name</code> . - Linked to Service via <code>service</code> . - Referenced by ServiceOffer via <code>id</code> .
Service	<code>id (PK), name, description, price, time, img</code>	- Referenced by Servicemen via <code>name</code> . - Referenced by ServiceOffer via <code>id</code> .
ServiceOffer	<code>id (PK), sm_id (FK -> Servicemen.id), s_id (FK -> Service.id), c_id (FK -> User.id), DoRequest, DoComplete, service_status, remarks, c_no</code>	- Linked to Servicemen via <code>sm_id</code> . - Linked to Service via <code>s_id</code> . - Linked to User via <code>c_id</code> .

App Controller functions



1. /tolog

Handles login by verifying user credentials and activating accounts for customers or professionals. Redirect URL or the login page is returned.

2. /logout/<int:id>

Logs out the user by deactivating their account. Returns the login page.

3. /customer/<int:id>

Fetches user details and available services for the customer. Renders the customer page with service details.

4. /

Redirects to the login page.

5. /register

Handles user registration and directs them to their respective dashboard. Redirects to customer or verification page.

6. /orders/<string:name>

Fetches ongoing and past orders for a customer. Renders the orders page with order details.



7. */order/<string:sname>/<string:uname>*

Fetches details for a specific service and its servicemen. Renders the order page with service and servicemen details.

8. */place*

Places a service order and sends email confirmation. Redirect URL to the customer's dashboard is returned.

9. */remark/<int:sid>*

Updates remarks for a specific service order. Returns JSON with operation status.

10. */cancel/<int:sid>*

Cancels a service order and sends a notification email. Returns JSON with operation status.

11. */profile/<string:m>*

Fetches the profile details of a serviceman. Renders the profile page with details.

12. */professional/<int:id>*

Fetches orders related to a professional. Renders the professional dashboard.

13. */accept/<int:sid>*

Marks a service order as completed. Returns JSON with operation status.

14. */reject/<int:sid>*

Rejects a service order and sends a notification email. Returns JSON with operation status.

15. */verifyyou/<int:idu>*

Manages professional verification and uploads documents. Returns JSON with operation status or verification page.

16. */getin*

Adds a new serviceman to the database. Returns JSON with operation status.

17. */admin*

Fetches details of customers, servicemen, orders, and services for admin. Renders the admin dashboard.

18. */custhist/<int:id>*

Generates and saves visualizations for a customer's history. Renders the customer history page.

19. */profhist/<string:name>*

Generates and saves visualizations for a professional's history. Renders the professional history page.

20. */custremove/<int:id>*

Removes a customer's account and sends an email notification. Returns JSON with operation status.

21. */profverify/<string:name>*

Marks a professional as verified. Returns JSON with operation status.

22. */profunverify/<string:name>*

Marks a professional as not verified. Returns JSON with operation status.

23. */profremove/<string:name>*

Removes a professional's account and sends an email notification. Returns JSON with operation status.

24. */servicedes/<int:id>*

Updates the description of a service. Returns JSON with operation status.

25. */servicep/<int:id>*

Updates the price of a service. Returns JSON with operation status.

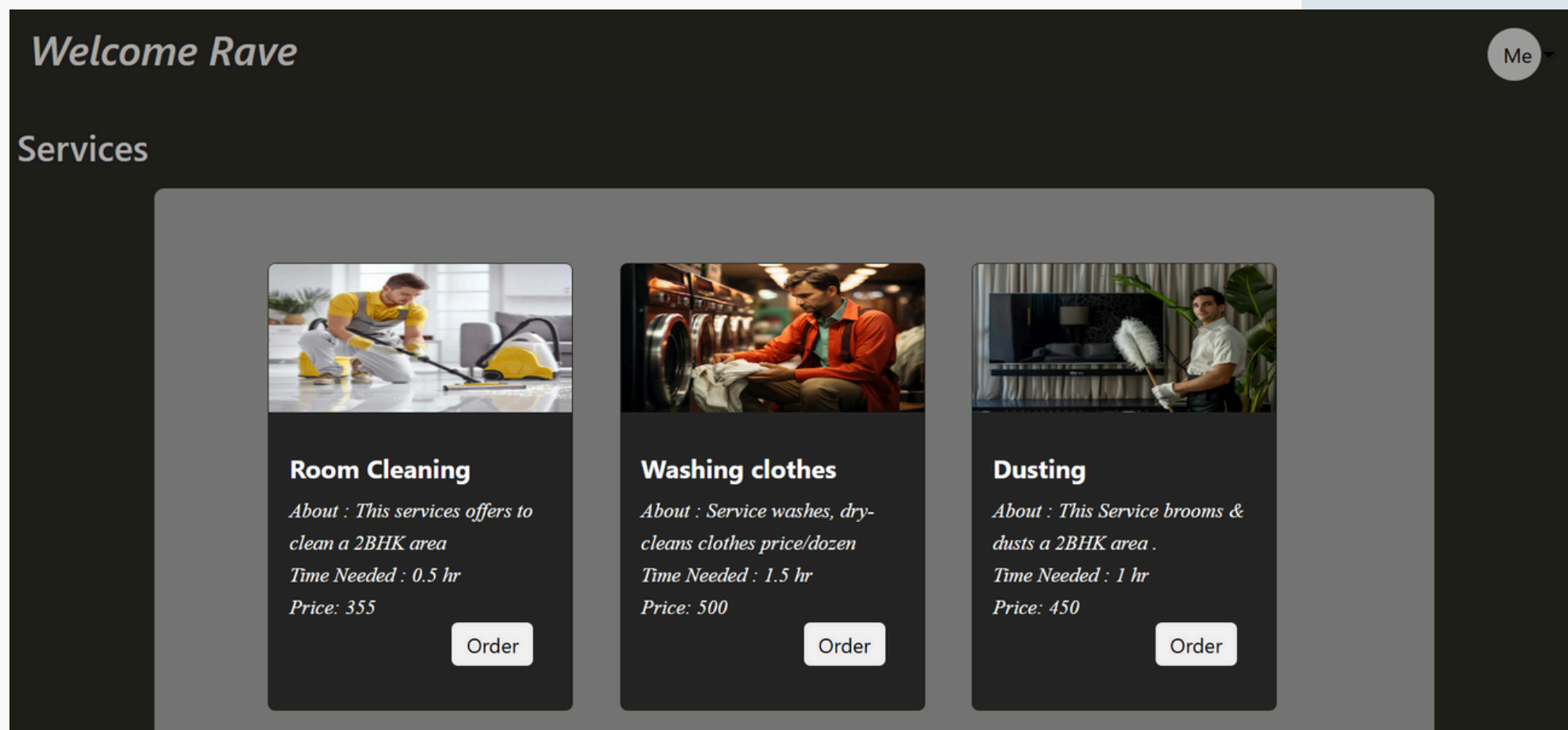
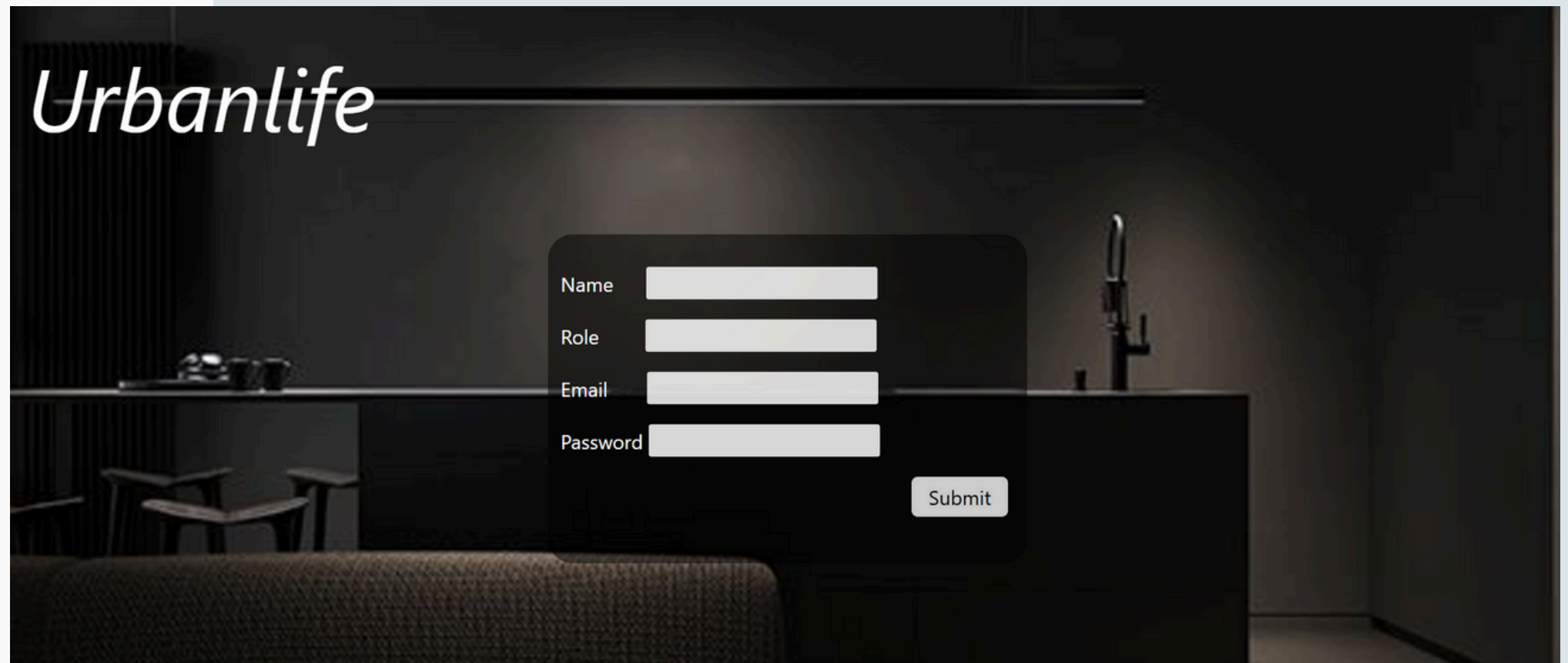
26. */ratee/<string:sman>*

Updates the rating for a serviceman. Returns JSON with operation status.

27. */hello*

Asynchronously generates a report and provides it as a downloadable CSV.

Web view



Welcome Raju Srivastav

Me

Your New orders :

Service id : 11

Professional : Raju Srivastav

Date : 2024-10-16 Status : undone

Accept

Reject

Your Old orders :

Service id : 1

Professional : Raju Srivastav

Date : 2024-10-01 Status : done

Service id : 21

Professional : Raju Srivastav

Date : 2024-11-01 Status : done



Service: Room Cleaning

This services offers to clean a 2BHK area

NAME: Raju Srivastav

DESCRIPTION: He is a very punctual servicemen and offers fast service

EXPERIENCE: 3 yrs

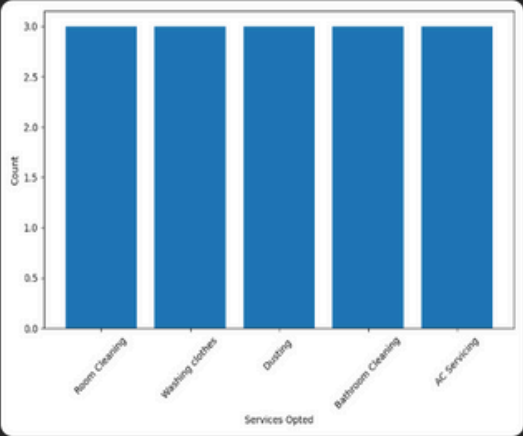
RATING: 4.5

BACK

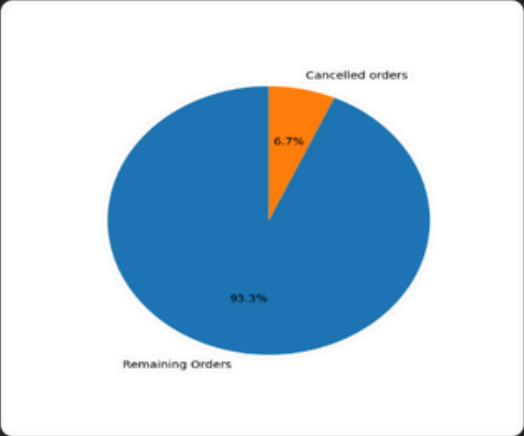
Customer Summary

Dashboard

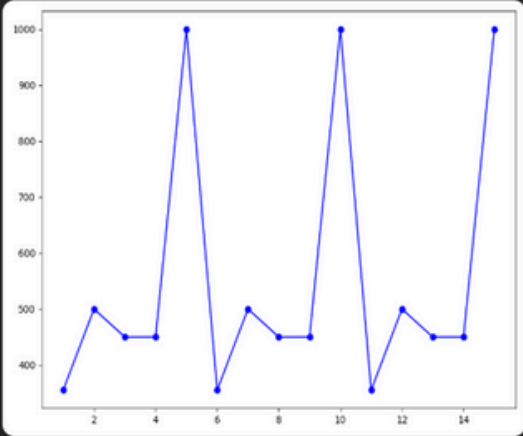
Services Ordered



Cancelled Orders



Price Chart



Welcome Admin

REPORT



CUSTOMERS



Customer id : 2
Customer name : Suneha
Customer email : suneha2003datta@gmail.com

Lookout Remove

Customer id : 9
Customer name : Rave
Customer email : hello@example.com

Lookout Remove

Customer id : 25
Customer name : Selem
Customer email : exam@example.com

Lookout Remove

Conclusion



The application effectively connects customers and professionals, ensuring efficient service management. With features like automated reporting and task notifications, it enhances user experience and operational efficiency. It achieves its goal of simplifying service interactions while promoting reliability and accountability.

THE VIDEO LINK FOR DEMONSTRATION IS PROVIDED BELOW

https://drive.google.com/file/d/1X_4cHT0tVd6NrF04nVpDOlrlDY7CFGZo/view?usp=sharing