

Documentation for Professional Dashboard Functionality

Overview

The professional dashboard allows professionals to manage their profiles and handle service requests from customers. Key features include viewing profile information, handling pending service requests, and interacting with customer requests (accept/reject).

Functional Flow

1. Route: Professional Dashboard

The dashboard page is rendered using a dedicated route in app.py.

Steps:

1. **Authentication:** Only users with the professional role can access this route.
 2. **Fetch Profile:** The professional object is fetched from `current_user.professional_profile`. If the profile is missing, the user is redirected to complete registration.
 3. **Fetch Pending Requests:** Retrieves all Booking objects where the status is requested for the logged-in professional.
 4. **Render Template:** The `professional_dashboard.html` template is rendered with the `professional` and `pending_requests` variables.
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Key Features and Functionalities

Profile Information

- Displays the professional's profile image, name, and profession.
- Ensures professionals can view their profile details at a glance.

Pending Requests

Displays all pending service requests. Each request shows:

- **Service Name:** Name of the service requested.
 - **Customer Details:** Name of the customer who made the request.
 - **Booking Date:** Date on which the service is requested.
 - **Action Buttons:** Accept/Reject buttons to allow professionals to handle requests efficiently.
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Key Backend Routes for Requests

1. Accept Service Request

Handles accepting a service request by updating its status.

Functional Steps:

- Validates that the user is logged in and has the professional role.
- Checks if the request ID belongs to the logged-in professional.
- Updates the status of the service request to accepted in the database.

2. Reject Service Request

Handles rejecting a service request by updating its status.

Functional Steps:

- Validates that the user is logged in and has the professional role.
 - Checks if the request ID belongs to the logged-in professional.
 - Updates the status of the service request to rejected in the database.
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Error Handling

Missing Profile

- Redirects professionals without profiles to complete their registration process.

Unauthorized Access

- Restricts dashboard access to authenticated professionals only.

Action Validation

- Ensures that only the assigned professional can accept/reject requests to maintain data integrity and security.
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Conclusion

This documentation provides an overview of the professional dashboard implementation, focusing on its functionalities and backend logic. The design ensures seamless interaction between professionals and service requests while maintaining robust error handling and access control.

Project Demo:

https://drive.google.com/file/d/1DWH4eOmkLQEW_C8qcx9x3J0GFqTjXnUm/view?usp=sharing