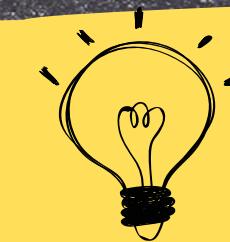


HOSTELIA



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INTRODUCTION

HOSTELIA IS A WEB-BASED PLATFORM THAT REVOLUTIONIZES HOSTEL ADMINISTRATION BY OFFERING A DIGITAL INTERFACE TAILORED FOR STUDENTS, WARDENS, AND ADMINISTRATORS. LEVERAGING SECURE OTP-BASED AUTHENTICATION, REAL-TIME NOTIFICATIONS, AND ROLE-SPECIFIC DASHBOARDS, THE PLATFORM FACILITATES SEAMLESS COMMUNICATION, TRANSPARENT ISSUE RESOLUTION, AND CENTRALIZED MANAGEMENT OF HOSTEL SERVICES.



USERS

1 Hostel Office (Admin)

The Hostel Incharge oversees hostel operations, moderates chatrooms, and manages the noticeboard.

2 Hostel Wardens

Wardens resolve student issues related to facilities and mess services. They interact with students through chat and oversee mess updates. They track payments and notify students about dues. Admins also generate reports on problem resolution efficiency.

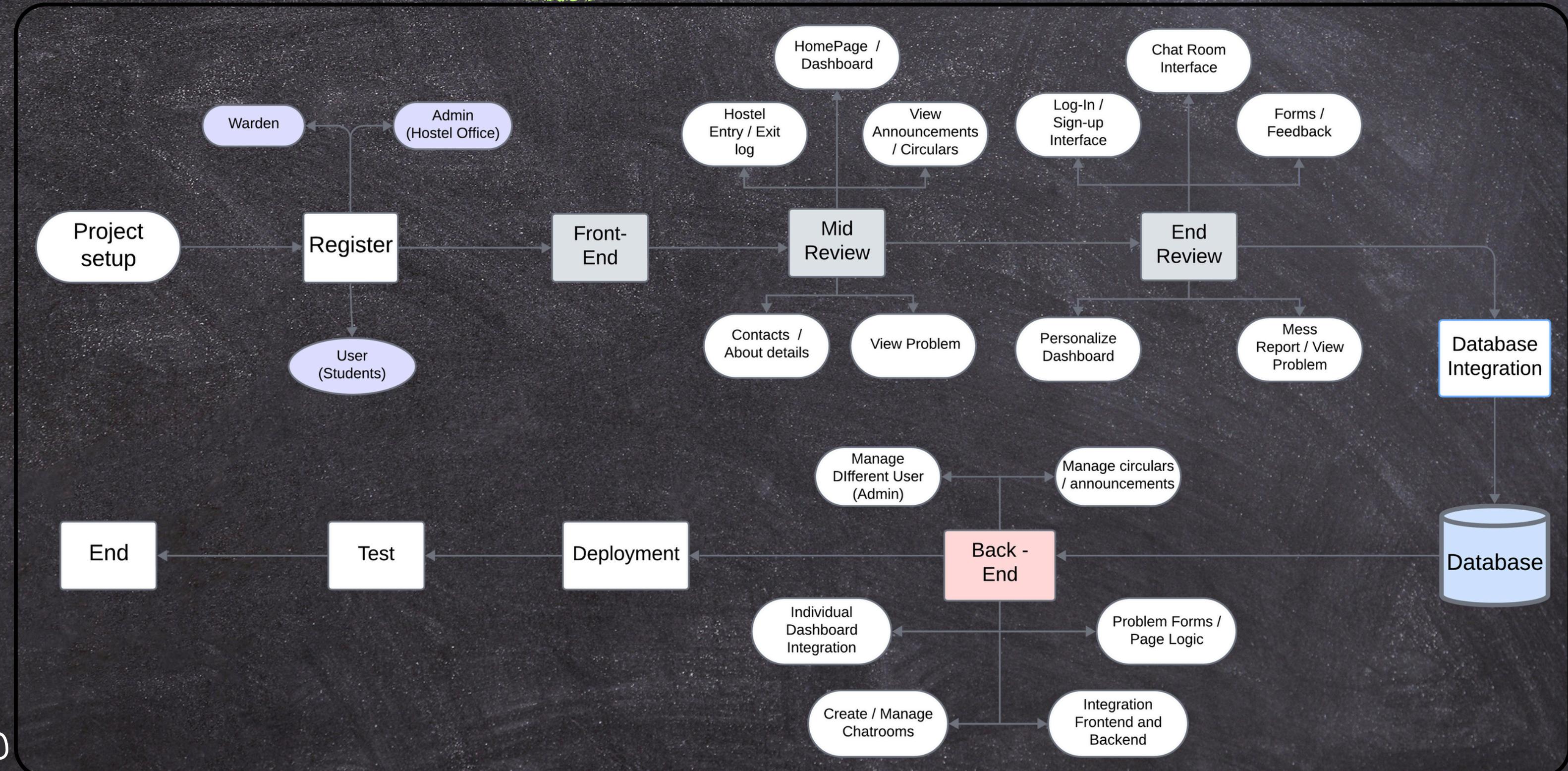


3

Students

Students report issues, track progress, and provide feedback. They monitor the status of their issues and upvote or downvote them for priority. Students can submit ratings on services like mess.

Workflow



PAGES

HOME PAGE

ABOUT PAGE

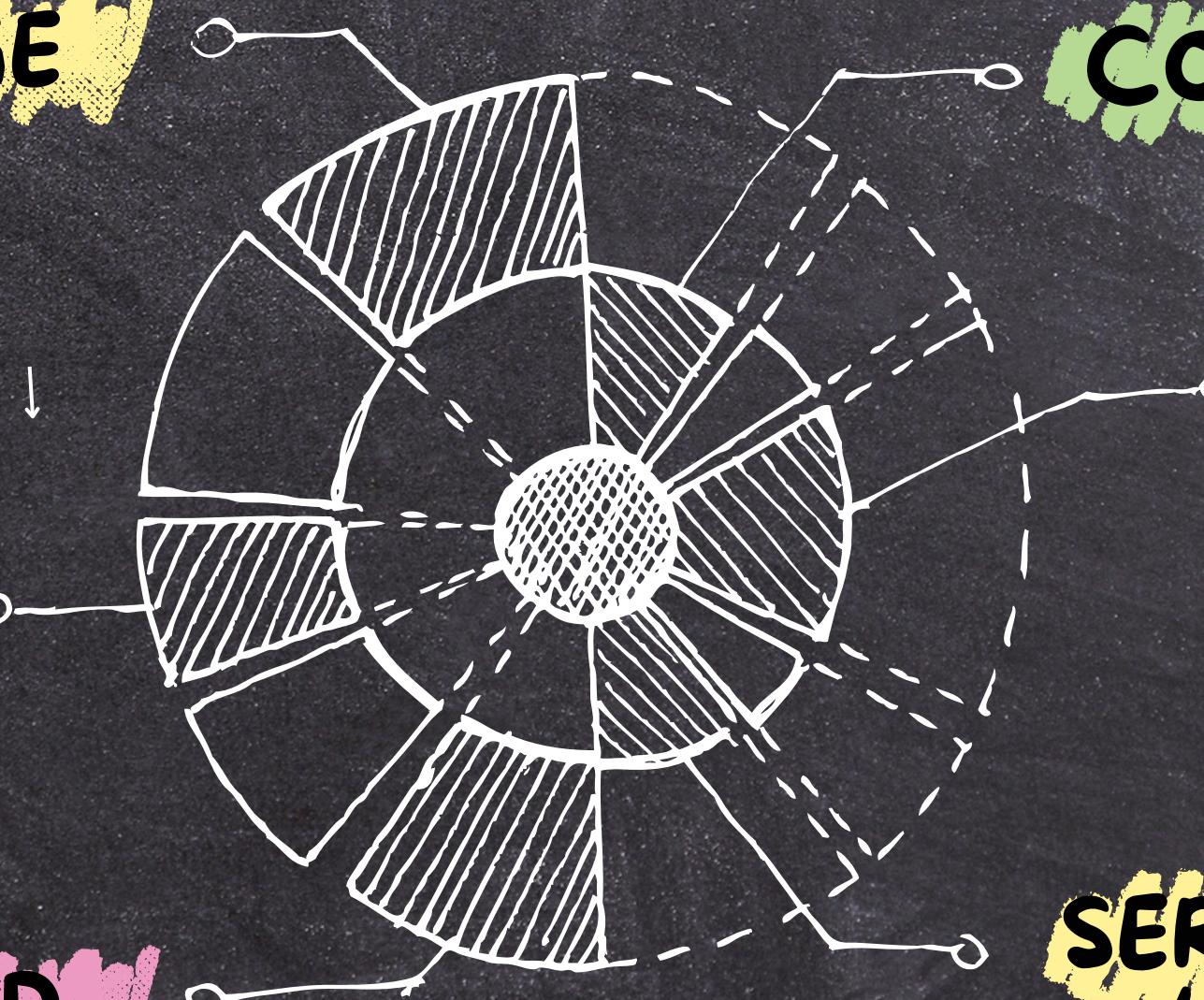
LOGIN/SIGNUP PAGE

USER DASHBOARD

CONTACT PAGE

FEE MANAGEMENT
PAGE

SERVICES PAGE
/ SUBPAGES



features

01

Login/Signup through OTP and College Email

Secure registration using college email and OTP verification via Node.js and SendGrid.

05

Completion Statistics on Dashboard

Displays resolved and pending issues for transparency and efficient tracking.

02

Upvote/Downvote on Problems

Students prioritize issues by voting, with real-time updates through WebSocket for admins.

06

Important Dates/Circulars Board

Admins upload circulars for students to access key updates and deadlines, available as PDFs.

03

Entry/Exit Register on Noticeboard Page

Page

Tracks entry/exit logs digitally via forms or QR codes, ensuring security with accurate timestamps.

07

Admins Can Create New Chatrooms

Admins create real-time discussions in topic-specific chatrooms for better collaboration.

04

Real-time Notifications

Instant updates on problem statuses, fee reminders, and notices via push notifications or in-app alerts.



REVENUE MODEL

MANAGEMENT FEE

- Purpose: Provide ongoing technical support and manage the application's performance like, database backups, server maintenance, and system optimization, monitoring uptime and resolving downtime issues.
- Pricing Model: Monthly recurring fee tiered based on the size of the hostel and number of users.

REGULAR UPDATES FEE

- Purpose: Ensure the platform remains up to date with new features, improved security measures, and compatibility with evolving technologies.
- Pricing Model: Annual or semi-annual subscription fee.

CUSTOMIZATION FEE

- Purpose: Customize the application for individual hostels or institutions by adding institution-specific branding (logo, theme colors), developing custom modules, and configuring workflows to meet unique administrative needs.
- Pricing Model: One-time fee, based on the scope and complexity of customization.

CONTRIBUTION

ROHAN DUBEY
S20230010207

- Home Page: Design and develop (Frontend + Backend).
- Login/Signup: Secure OTP-based authentication, role-based redirection.

ASHUTOSH SINHA
S20230010027

- Admin Features:
- Dashboard (fee stats, activity logs).
 - Fee Management and reminders.
 - User Management and Analytics.

SAURAV SINGH
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- Student Features:
- Problem reporting (add, track, upvote).
 - Notice Board and Fee Management.
 - Mess Feedback Page.

CH. VENKATA SIVAJI
S20230010063

- Core System Features:
- Real-Time Notifications (Frontend).
 - Mess Page Overview (UI).
 - Assist with email alerts (minor backend).

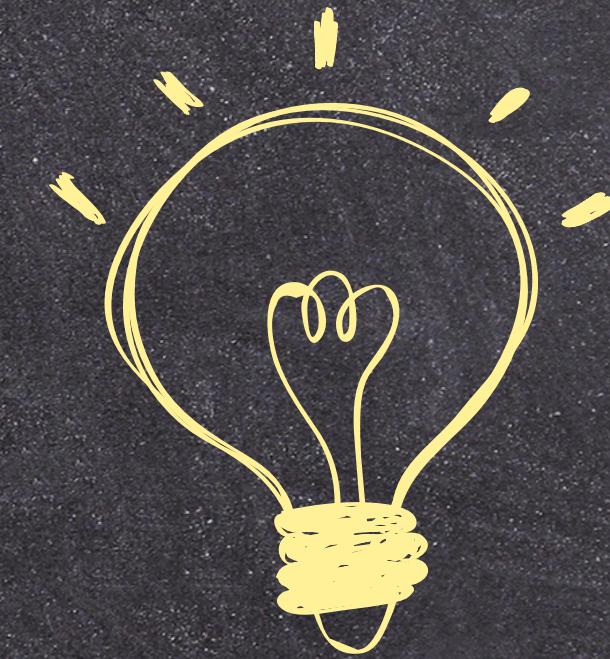
ABHIRAJ SINGH
CHAUHAN
S20230010002

- Warden Features:
- Real-time dashboard for issues.
 - Mess menu management and complaints.
 - Entry/Exit Register (QR-based).



CONCLUSION

- Hostel Management Application **enhances** hostel administration by addressing student concerns, streamlining communication, and centralizing services.
- Features like real-time notifications, an interactive dashboard, and a structured problem resolution system provide a seamless user experience.



LET'S CREATE

