



SPL - I (SWE-4304)
PROJECT PROPOSAL

HALL VERSE
HALL MANAGEMENT SYSTEM

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OUR TEAM

TEAM-14



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PROJECT OVERVIEW

- C++ based hall management system for smooth operations between students and authority
- Secure data handling with easy menu-driven navigation.
- Students can view hall details, payment status, room info, and complaint status.
- Authority can allocate rooms, update hall info, and manage student records.

MOTIVATION

- Unnecessary inquiries in entrance
- Students Face Uncertainty About Their Requests
- To Reduce Manual Workload
- Paper-Based Processes Cause Delays.

KEY FEATURES

User Authentication System

- Username and password-based authentication (Student, Admin)
- Role-based access control
- Password Reset

Student Profile Management

Students can:

- View Profile
- Update Information
- Check hall dues
- View room number and details

Admin can:

- Add new student
- Remove student
- Edit Student data
- Verify payment

KEY FEATURES

Complaint & Issue Reporting System

Student Features:

- File a complaint (Electricity/ Water/ Room etc.)
- Check complaint Status (Pending/In Progress/Resolved)

Admin Dashboard

- Manage all users (add/remove)

View informations:

- Total Students
- Total Complaints
- Complaints Solved & pending
- Vacant Seat

Admin Features:

- View All Complaints
- Change Complaint Status
- View room number and details

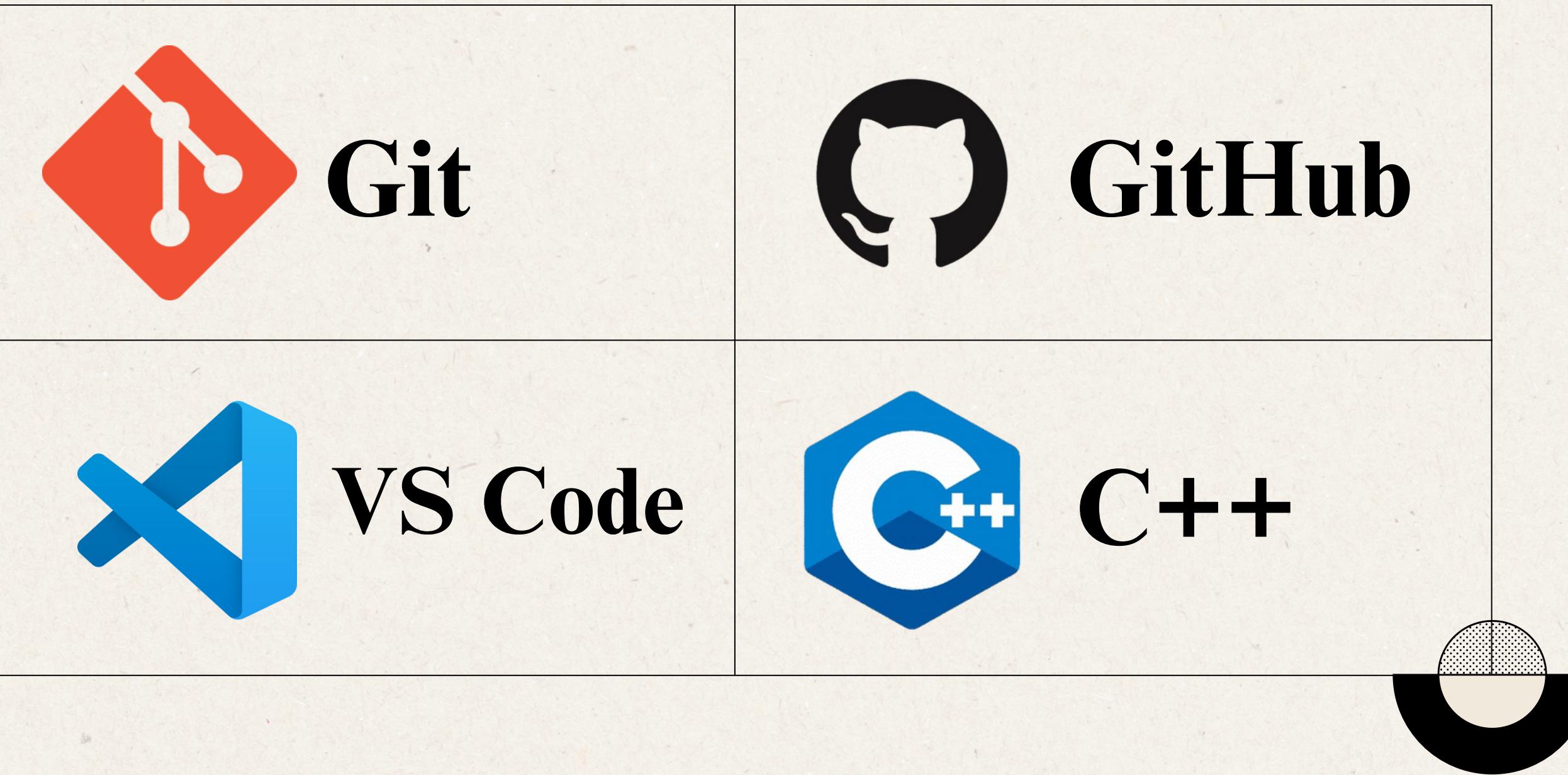
Additional Features

- Mark Student Entry
- Mark Student Exit
- View All Entry/ Exit

APPLICATION

- University hall/hostel management
- Managing student accommodation records
- Resolving student complaints quickly
- Tracking hall fees and dues accurately
- Digital record keeping for hall authorities
- Faster communication between students and authority
- Complete hall reporting system

TOOLS & TECHNOLOGIES



TIMELINE

	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14
Idea Presentation														
Implementation Authority														
Implementation Students														
Documentation														
Debugging & testing														

Thank you

Please feel free to ask any questions