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Submitted By:

Priyanka Khadka	A00081894
Ram Mohan Mantena	A00086700
Prem Kayat	A00084273
Hema Madana	A00086001
Sruthi Bhavya Marri	A00089750

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1. Team Information

Project Name: Smart School – School Management System

Team Members: 5 members (Ram Mohan Mantena, Priyanka Khadka, Prem Bahadur Kayat, Hema Madana, Sruthi Bhavya Marri)

Technology Stack:

Frontend: HTML, CSS, Java script

Backend: Node.js

Database: MySQL

2. Application Idea and Purpose

2.1 Overview

Smart School is a web-based School Management System created to streamline academic and administrative operations in educational facilities. The software will automate important processes such as, academic management, sharing information and stakeholder communication.

2.2 Problem Statement

Currently, teachers connect with students and parents through physical notice boards, group chats, and email. This results in lost knowledge, misunderstanding, and a lack of adequate record-keeping. Schools are currently facing challenges related to keeping student information, student navigation on school's information, interacting with teachers and parents, and producing timely reports. Manual processes are time-consuming, error-prone, and lack real-time access.

2.3 Objectives

- Provide a centralized platform for school administration
- Enable efficient student and staff management
- Facilitate real-time attendance tracking
- Improve communication between teachers, students, and parents
- Generate automated reports and analytics

3. User Personas

3.1 Persona 1:

- Name: Ms. Maria Fontaine
- Age: 35
- Role: Mathematics Teacher



Maria Fontaine

Age: 34 **Gender:** Female

Location: Wandsworth, London

Role: Mathematics Teacher

Tech Proficiency: Moderate

Ms. Maria is a dedicated and organized teacher with 10 years of experience. She teaches Mathematics to high school students and believes in clear communication with both students and parents. She values efficiency and wants to spend more time teaching rather than managing administrative tasks.

what she has to say:

"I want to reach all my students and their parents instantly, without repeating the same information multiple times."

Goals

- Quickly post homework and exam updates
- Ensure all students receive important notices
- Maintain a record of past announcements
- Reduce time spent on administrative communication

Needs

- Easy-to-use interface to create announcements
- Ability to edit or delete old posts
- Quick access from mobile or desktop
- Simple dashboard to manage all announcements

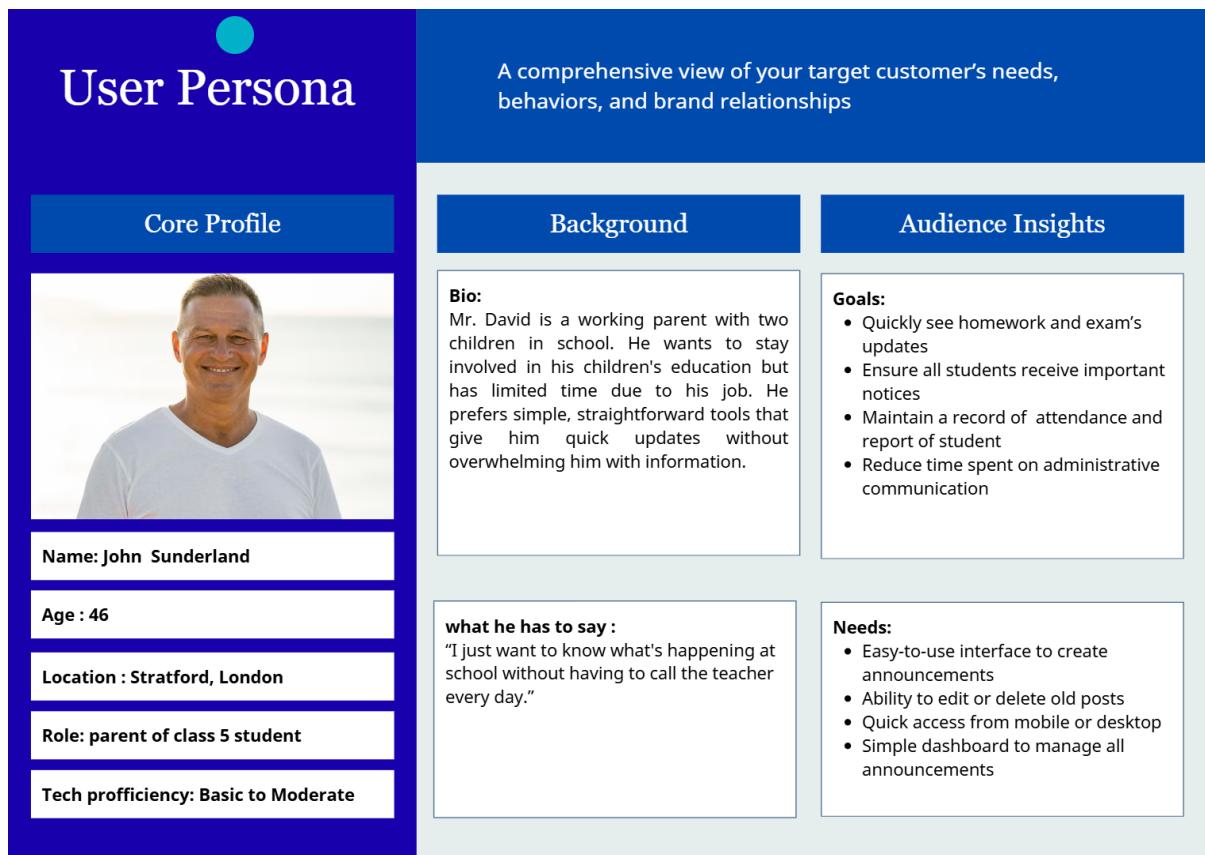
Frustation

- Students claim they "didn't receive" the message
- Difficulty tracking who has seen announcements
- Time wasted repeating information in multiple groups
- No centralized record of past notices

Figure 1: Persona 1

3.2 Persona 2:

- Name: Mr. David Sunderland
- Age: 46
- Role: Parent of class 5 student



The figure shows a user persona template for Mr. David Sunderland. The template is divided into three main sections: Core Profile, Background, and Audience Insights.

Core Profile:

- Name: John Sunderland
- Age : 46
- Location : Stratford, London
- Role: parent of class 5 student
- Tech proficiency: Basic to Moderate

Background:

Bio:
Mr. David is a working parent with two children in school. He wants to stay involved in his children's education but has limited time due to his job. He prefers simple, straightforward tools that give him quick updates without overwhelming him with information.

Audience Insights:

Goals:

- Quickly see homework and exam's updates
- Ensure all students receive important notices
- Maintain a record of attendance and report of student
- Reduce time spent on administrative communication

Needs:

- Easy-to-use interface to create announcements
- Ability to edit or delete old posts
- Quick access from mobile or desktop
- Simple dashboard to manage all announcements

Figure 2: Persona 1

4. Core Features

- Authentication and login for teachers
- Make an announcement with a title, description and category.
- See every announcement
- Class, subject, and timetable management
- Attendance tracking and reporting
- View for parents and students (read-only)
- Academic performance and progress reports

5. Project Links

- Git Hub Repository Link: <https://github.com/rammohanmantena0528-tech/SmartSchool>
- Task Board Link: <https://github.com/users/rammohanmantena0528-tech/projects/1>

6. Code of conduct

6.1 Purpose and Commitment

The Smart School project is committed to giving all team members, contributors, and stakeholders a secure, courteous, and welcoming workplace. Throughout the software development life cycle, this Code of Conduct provides specific guidelines for professional conduct, moral development methods, and cooperative teamwork.

Our team understands the vital significance of data security, privacy protection, and ethical developing software because we are a school management system that handles sensitive student, teacher, and parent information. Our dedication to provide a safe, dependable, and trustworthy platform for the educational community is reflected in this Code of Conduct.

6.2 Scope

- All project team members
- Contributors and reviewers
- Networks of communication (task boards, GitHub, meetups, documentation)
- Conversations and development activities pertaining to the project

6.3 Expected Standards of Behaviour

All participants are expected to:

- Act respectful and professional at all times.
- Follow recommended practices for secure coding and development.
- Safeguard private information about students, employees, and organizations.
- Only use the resources and system for legal and moral reasons.
- Protect confidential data related to students, staff, and institutions
- Use the system and resources only for authorized and ethical purposes

6.4 Data Privacy and Security

Given the academic nature of the Smart School application:

- User information needs to be managed responsibly and securely
- Attention to appropriate authorization, encryption, and authentication procedures is required
- Any security flaws need to be notified right away.

6.5 Responsibilities of Team Members

Team members are responsible for:

- Members of the team are accountable for:
- Writing code that is clear, readable, and well-documented
- Carefully and respectfully reviewing code modifications
- Consonantly adding progress and obstacles to the task board
- Following to established procedures and project schedules
- Preserving openness in correspondence

6.6 Reporting Violations

Reporting any violation of this code of conduct to the project team lead or recording via the official project communication channel is advised. Every report will undergo a fair and private screening process.

6.7 Role of agreement

Name	Role	Signature	Date
Ram Mohan	Project Lead / Frontend Developer		2/8/2026
Priyanka	Front End/ Backend supporter		2/8/2026
Hema	Database / Testing Engineer		2/6/2026
Prem	Backend Developer		2/8/2026
Sruthi	UI/UX Designer		2/5/2026