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WEB-TECHNOLOGY FINAL PROJECT

# [ PART 2]

**Project Plan: Student Conduct System with Parent Communication**

**Project Overview**

The goal of this project is to develop a Student Conduct System that allows schools to monitor and manage students' behavior and communicate with parents regarding their children's conduct in school.

The system will provide a user-friendly interface for teachers, administrators, and parents to access relevant information and facilitate effective communication.

Project Objectives

Develop a centralized database to store student conduct records and relevant information.

Implement a user interface for teachers to record and manage student conduct incidents.

Create a parent communication feature to send messages and notifications about student behavior.

Ensure data security and privacy by implementing appropriate access controls and encryption techniques.

Provide reporting and analytics capabilities to track and analyze student behavior trends.

Project Phases and Tasks

a. Planning Phase

Define project objectives, scope, and requirements.

Identify key stakeholders and establish communication channels.

Create a project schedule and allocate necessary resources.

b. System Design Phase

Design the database schema to store student conduct records, parent information, and communication logs.

Design the user interface for teachers to record conduct incidents and communicate with parents.

Define the communication protocols and channels for sending messages and notifications.

c. Development Phase

Set up the database infrastructure and implement the necessary tables and relationships.

Develop the teacher interface for recording conduct incidents and generating reports.

Implement the parent communication module for sending messages and notifications.

Integrate appropriate security measures to protect sensitive data.

d. Testing and Quality Assurance Phase

Conduct unit testing to ensure the functionality and integrity of individual components.

Perform integration testing to verify the proper interaction between different modules.

Conduct user acceptance testing with teachers, administrators, and parents.

Address and resolve any identified bugs or issues.

e. Deployment and Rollout Phase

Deploy the Student Conduct System on the school's infrastructure or a cloud platform.

Train teachers and administrators on how to use the system effectively.

Communicate the availability of the system to parents and provide instructions for accessing it.

Monitor the system's performance and address any post-deployment issues.

Project Timeline and Milestones

Planning Phase: 2 weeks

System Design Phase: 3 weeks

Development Phase: 8 weeks

Testing and Quality Assurance Phase: 3 weeks

Deployment and Rollout Phase: 2 weeks

Total Project Duration: 18 weeks

Note: The timeline and duration of each phase can vary based on the project's scope, team size, and available resources.

Project Team and Responsibilities

Project Manager: Overall project coordination, resource management, and progress tracking.

Database Developer: Designing and implementing the database schema and infrastructure.

UI/UX Designer: Designing the user interface for teachers, administrators, and parents.

Front-end Developer: Implementing the user interface and integrating it with the back-end.

Back-end Developer: Implementing the business logic and communication modules.

Quality Assurance Engineer: Conducting testing and ensuring system reliability and performance.

Risks and Mitigation Strategies

Data Security: Implement proper access controls, encryption techniques, and regular backups to protect sensitive information.

User Adoption: Conduct training sessions, provide user documentation, and gather feedback to address usability concerns and ensure user acceptance.

Technical Challenges: Conduct thorough testing, identify potential bottlenecks, and allocate appropriate resources to address technical issues promptly.

Project Communication

Establish regular communication channels with key stakeholders, including teachers, administrators, and parents.