Student Fee Management System

1. Introduction

Purpose
This document specifies the requirements for the Student Fee Management System, a web-based application designed to streamline and manage student fee processes in educational institutions.

Scope
The system automates fee calculations, payment tracking, and reminders, providing an intuitive interface for administrators, students, and parents. It aims to reduce errors and improve efficiency in fee management.

Definitions, Acronyms, and Abbreviations
HTML: HyperText Markup Language
CSS: Cascading Style Sheets
JavaScript: A programming language for creating interactive web content
SRS: Software Requirements Specification

References
None at this phase

Overview
The SRS document includes a detailed description of the system's functionality, performance, constraints, and interfaces. The overall description provides context, while the specific requirements detail each functionality.

2. Overall Description

Product Perspective
The Student Fee Management System is a standalone web application that can be integrated with existing school management systems to enhance fee management.

Product Functions
Student Registration: Allows administrators to register students and create fee profiles.
Automated Fee Calculation: Automatically calculates fees based on predefined plans.
Real-time Fee Status: Provides real-time updates on fee status for students and administrators.
Payment Tracking: Tracks payments and sends reminders for due fees.

User Characteristics
Administrators: Manage student registrations, fee profiles, and track payments.
Students: View their fee status and history.
Parents: Track and make payments for their child's fees.

Constraints
Must be compatible with major web browsers.

Should be accessible on various devices (desktop, tablet, mobile).
Assumptions and Dependencies
Internet connectivity is available for all users.
Users have basic knowledge of web browsing.

3. Specific Requirements

Functional Requirements
Student Registration
Administrators can add, update, and delete student records.
Each student record includes personal details and fee information.
Automated Fee Calculation

Fees are calculated based on predefined plans.
Supports adjustments for scholarships or discounts.
Real-time Fee Status Updates

Students and administrators can view fee status online.
Notifications are sent for upcoming due dates.

Payment Tracking
Tracks payments made by students and parents.
Generates reports on payment history.
External Interface Requirements
User Interface: HTML/CSS-based web pages for interaction.
Backend Integration: Placeholder for future backend services for data persistence.

System Features
Responsive Design: Ensures usability across different devices.
Security: Basic authentication for administrators, students, and parents.
Performance: Real-time updates with minimal delay.
Non-functional Requirements
Performance: The system should load within 3 seconds on average.
Reliability: The system should be available 99.5% of the time.
Security: Secure data handling and user authentication.
Usability: User-friendly interface with clear navigation.
Data Requirements
Data Storage: Placeholder for future database integration.
Data Privacy: Compliance with data protection regulations.