Assignment - Project Proposal

		Needs Improvement	Developing	Sufficient	Above Average	Total Mark
Only for course Teacher						
Allocate mark & Percentage		25%	50%	75%	100%	5
Content Quality	2					
Clarity	1					
Spelling & Grammar	1					
Organization and Formatting	1					
					Total obtained mark	
Comments						

Semester: **Fall - 2023**

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Batch: **37th**   Section: **'E'**

Course Code: **SE 221**   Course Name: **Object Oriented Design**

Course Teacher Name: **Mr. Akash Ghosh**

Designation: **Lecturer, Department of Software Engineering**

Submission Date: **21/11/2023**

Project Title

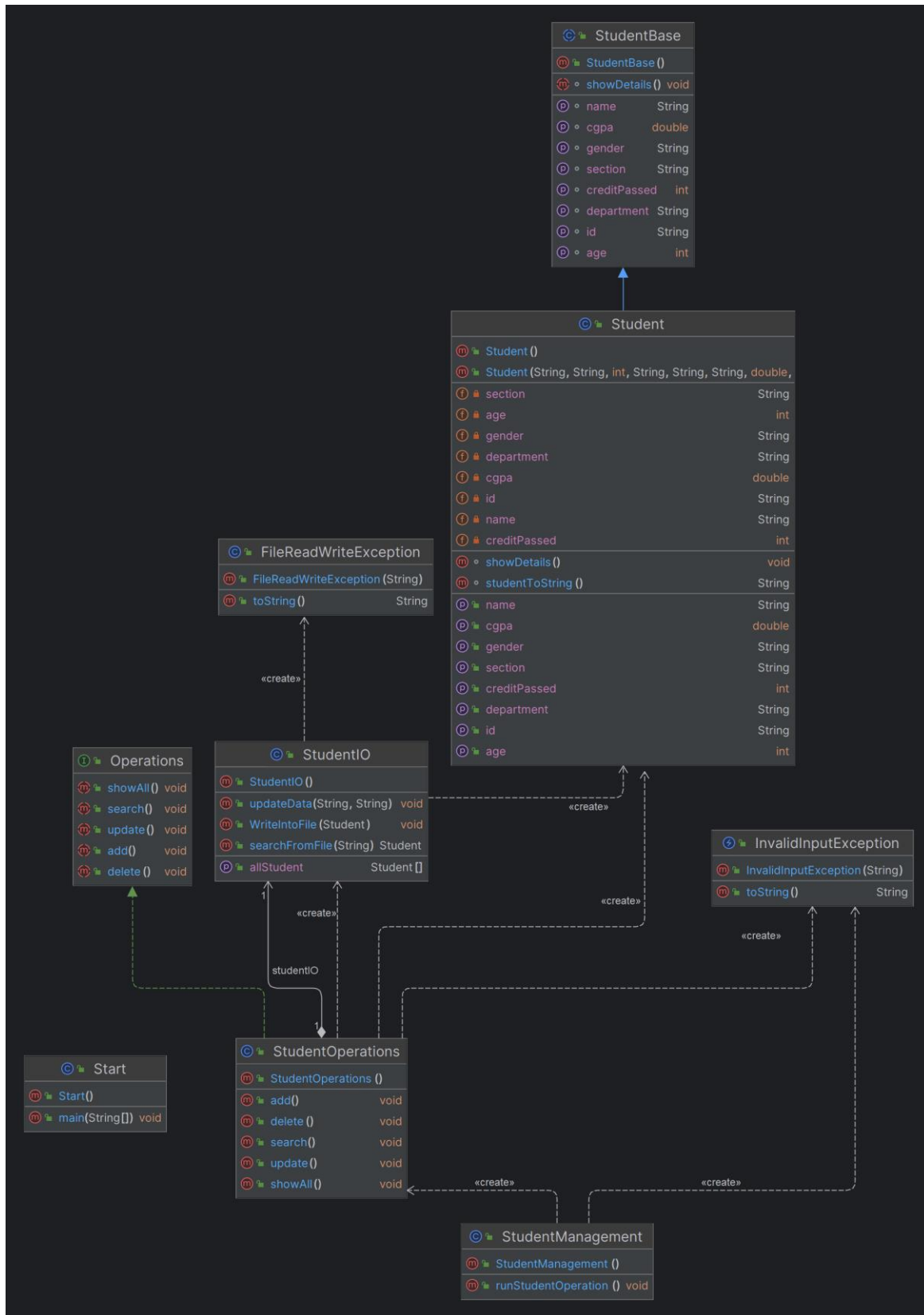➢ **Student Management System**

Project Overview

The Student Management System is a comprehensive and user-friendly solution designed to streamline and enhance the management of student-related activities within an educational institution. This project aims to create a centralized platform that facilitates efficient student data management, academic record keeping, and communication between students, faculty, and administration.

Project Objectives

1. **Add Student:** Enable administrators to effortlessly add new students to the system, streamlining the enrollment process and reducing manual data entry.

2. **Update Student Information:** Provide a user-friendly interface for administrators to modify and update student information, ensuring that the database reflects accurate and current details.

3. **Search Student Data:** Implement a robust search functionality that allows users to efficiently retrieve specific student information, enhancing accessibility and data retrieval speed.

4. **Delete Data of Students:** Enable authorized personnel to securely remove student records from the system, adhering to data privacy regulations and maintaining data integrity.

5. **Show Information**: Develop a feature-rich display module that presents comprehensive information about students, including enrollment details, attendance records, and academic performance.

UML Diagram

Technology Stack

☐ **Java Language (Core)**

☐ **Database: MySQL**

Features & Further updatization

1. User Authentication and Authorization
2. Student Registration and Profile Management
3. Course Enrollment
4. Automated Attendance Tracking
5. Grading and Transcript Generation
6. Announcements and Notifications
7. Messaging System
8. Reporting and Analytics Dashboard

Project Timeline

Task	Duration
➢ Project Planning and Research	• 2 days
➢ Environment Setup	• 1 days
➢ Database Design and Setup	• 7 days

Conclusion

In conclusion, the development of the Student Management System (SMS) represents a significant stride towards modernizing and optimizing the administrative processes within our educational institution. Through the implementation of advanced technologies and a comprehensive set of features, the SMS aims to address the challenges associated with student data management, attendance tracking, and academic record keeping.