Student Result Management Tool - Software Requirements Specification

Table of Contents

Introduction

Project Purpose

The purpose of the Student Result Management Tool is to streamline and automate the process of managing student academic results within educational institutions.

Project Scope

The scope of the Student Result Management Tool encompasses the entire result management lifecycle, including data input, storage, retrieval, analysis, and reporting.

Glossary and References

Glossary

Student: An individual enrolled in an educational institution.

Result: Academic performance outcome for a specific assessment.

GPA: Grade Point Average, a measure of academic achievement.

References

Educational Board Guidelines: Official regulations and guidelines issued by the relevant educational board.

Database System: The underlying technology used to store and manage student result data.

Overall Description

User Needs

The Student Result Management Tool addresses user needs such as efficient result entry, comprehensive result analysis, and automated report generation.

Assumption and Dependencies

Assumptions include the availability of user devices with internet connectivity, and accurate input data.

Features and Requirements

- **Functional Requirements**
  Functional requirements encompass user authentication, result entry, data storage, performance analysis, and report generation.
- **Non-Functional Requirements**
  Non-functional requirements include security, performance, and user experience considerations.
- **External Interface Requirements**
  The tool interfaces with user devices via web browsers and integrates with educational board systems for validation and compliance.

Use case diagram for Result Management System