

Software Requirements Specification (SRS) - Instructor Application

1. Introduction

This document describes the Software Requirements Specification (SRS) for the Instructor Application, which is part of the educational platform system. The application enables instructors to manage courses, rounds, weekly evaluations, and student performance data.

2. Purpose

The purpose of this application is to give instructors a tool to: - Manage courses and rounds - Track student progress weekly - Record evaluations (attendance, interaction, assignments, exams) - View average performance of each student

3. Scope

The Instructor Application is part of a larger system consisting of: 1. Internal System (Admin/Instructor Management) 2. Student Application (student interactions, assignments, exams) 3. Marketing Website (public-facing info) This document focuses only on the Instructor Application.

4. Functional Requirements

- Instructor can log in securely. - Instructor can create and manage courses and rounds. - Instructor can register students into specific rounds. - Instructor can create weekly evaluations per student. - Instructor can enter multiple evaluation criteria: * Attendance * Interaction * Assignment performance * Exam performance - The system automatically calculates average evaluations. - Instructor can view reports of student progress per round and per week.

5. Non-Functional Requirements

- Security: Only authenticated instructors can access the system. - Usability: Simple and intuitive UI for instructors. - Performance: System should handle up to 1000 students per instructor efficiently. - Reliability: Weekly data must not be lost; auto-save enabled.

6. Data Model Overview

Key Entities: - Course - Round (belongs to Course) - Week (belongs to Round) - Student (can enroll in many Rounds) - Evaluation (per student, per week, with multiple criteria) Evaluations have criteria fields for attendance, interaction, assignments, and exams. The system stores averages for reporting.

7. Future Enhancements

- Integration with Student Application for automated assignment/exam scoring. - Advanced analytics dashboards. - Export reports to Excel/PDF. - Notifications to students/parents.