Software Requirements Specification

for

Student Evaluation System

Prepared by

Mir Moynuddin Ahmed Shibly

Shahin Hossain

Hasanul Banna Pranto

East West University

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Revision History

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| **Name** | **Date** | **Reason For Changes** | **Version** |
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# Introduction

## Purpose

This is the software requirements specification document for Student Evaluation System. The purpose of this system is to provide an easy and automated way to evaluate students of a particular course or section. This is the build 1 of the proposed system. In this build, basic functionality of this software will be implemented.

## Intended Audience and Reading Suggestions

This document is the main guideline for the developer. Based on this, they will develop the product. This can also be used as user manual too. On the other hand, it will be used to specify the software requirements by the project managers (in this case, developers are project managers) mainly. In the following sections …

## Product Scope

Student Evaluation System (SES) is a web application, which is designed in order to improve student performance, measuring their mark on different exams with remark at specific year for school and provide attendance details of a particular student. The system has also functionality to manage the result and attendance details using teacher-panel. Here are the objectives of this system:

* To create an automated system for attendance and grading.
* To generate monthly attendance report of an individual student.
* To evaluate a student based on his/her attentivity and result.
* To provide an interactive interface for course advising system
* To send the prospect report of a student to corresponding guardian.
* To ensure the system to be easy to use.

## References

# Overall Description

## Product Perspective

Every educational institutes needs to manage their students and teachers properly. To maintain classes, teachers are required to keep record of attendance every day. After taking exams, they need to asses answer scripts and calculate grades. The results need to be sent to corresponding guardians too. Moreover, course advising and seeing own grades both are important from student perspective. All the task that are mentioned can be performed without the help of any software somehow. But that is not convenient at all. Looking at that collective perspective, this system needs to be implemented to help educational institutes to maintain all these activities properly.

## Product Functions

The major functions of the product cover taking attendance of a class, grading students of a class, course advising and sending semester-wise result to corresponding student and guardian.

## User Classes and Characteristics

* Administrator
* Teacher
* Student
* System Designer and Developer
* Back-End Website developer
* Front-End Website designer

## Operating Environment

This is a web-based application. It will be operated from any operating system. This needs to be used through mobile phones and tablets too. There is no specific requirement of the devices on which the software should run. Any device having standard specifications should be able to run this application.

## Design and Implementation Constraints

There is no design and implementation constraints.

## User Documentation

User manuals and tutorials will be delivered with the software.

# Functional Requirements

* This system will insert a new class
* Insert a new student record
* Insert a new record for a teacher
* Insert a conduct evaluation for a student
* Insert term wise marks for each student with remark
* Assign teachers to teach a subject for a class
* If a student is present ‘P’ will be inserted for particular student and ‘A’ will be inserted if absent student
* Search for a particular data or group of data in a class
* System will be able to provide final grade sheet

# Other Nonfunctional Requirements

* **Security features and Privacy requirements:** The system should be secured enough to handle private information so that no results and files can be tampered with within the platform.
* **Flexibility and Maintenance:** The system should be easy and not rigid so that developers can easily understand and bring changes whenever required to do so.
* **Performance:** Easy tracking of records and updating can be done**.**
* **User Friendly:** The system is very interactiveand user will be able to handle it easily

# Use Case Diagram

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# Class Diagram

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# Activity Diagram

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# Sequence Diagram

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