

Project Scope Statement

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General Project Information

Project Name: Student Attendance System
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Problem/Opportunity Statement

The current approach used to track student attendance in undergraduate courses is labor-intensive, error-prone, and does not produce useful information quickly enough. An automated solution is necessary to meet timeliness and quality goals.

Project Objectives

To enable the instructor to track student attendance in undergraduate courses effectively with a reasonable amount of administrative effort.

Project Description

A new Web application will be designed to meet this need. This project will deliver the requirements and design documents for the system. The construction and installation of the system will take place in a subsequent project.

The instructor-facing portion of this system should provide for the following use cases:

- Setup a new instructor
- Setup a new semester
- Setup a new course
- Setup a new section number for a course
- Setup an expected list of class meetings
- Setup a list of students registered for the course
- Record student attendance on an exception basis
- Generate a report of all students' attendance for a course

The student-facing portion of this system should provide for the following use cases:

- Record attendance at a class meeting
- Generate report of this student's attendance for a course

The administrative portion of this system should provide for the following use cases:

- Authorize User
- Login

Business Benefits

- Reduced instructor time spent on administrative tasks
- Improved quality of attendance reports
- More timely intervention with students who have attendance problems

Project Deliverables

The project will deliver the following documents:

- A use case specification for each use case included in the system
- A conceptual data model for the system
- A screen/report design for each Web page in the system

Estimated Project Duration

This project will take place over the last 8 weeks for the Spring 2021 semester.