
Systems Analysis

Attendance System Use Case Specification: Log Attendance

Version 1.3

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Use Case Specification: Log Attendance	Date: 2016-03-09

Revision History

Date	Version	Description	Author
2015-03-09	V 1.0	First Draft	Kevin Trainor
2015-03-09	V 1.1	Corrected errors discovered in class	Kevin Trainor
2016-03-09	V 1.3	Eliminated semester references.	Kevin Trainor

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1. Log Attendance

1.1 Brief Description

The student logs her/his attendance at a particular class meeting in the Attendance System.

2. Flow of Events

2.1 Basic Flow

The use case begins when Student signals that she/he wishes to log attendance.

System displays a list of classes in which the student is registered.

Student selects the class for which she/he wishes to log attendance.

System requests the class meeting password.

Student enters the class meeting password.

System confirms that Student has successfully logged attendance.

The use case ends.

2.2 Alternative Flows

Student Cancels Logging

At any time during the use case prior to Student entering the class meeting password, Student may signal System that she/he wishes to cancel this logging.

The use case ends.

Student Not Registered for Any Classes

The flow begins when Student signals that she/he wishes to log attendance and there are no registrations for Student in the Attendance System.

System displays an error message.

The use case ends.

Student Cannot Find Desired Class

The flow begins when System has displayed a list of classes for which Student is registered and Student cannot find the desired class in the list.

Flow follows the “Student Cancels Logging” alternative flow.

Student Enters an Incorrect Class Meeting Password

Flow begins when Student has entered an incorrect class meeting password.

System displays an error message.

Flow continues in the Basic Flow at “System requests the class meeting password.”

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Student Attempts to Log Attendance Outside of Permitted Hours

Flow begins when Student has entered a correct class meeting password and the current time is outside of the allowable period in which attendance logging is permitted for the selected class.

System displays an error message.

The use case ends.

3. Special Requirements

3.1 System shall support 70 or more simultaneous Student users.

4. Pre-Conditions

4.1 Login

Before starting this use case, Student must have successfully completed the Login use case resulting in permission being granted for the role of Student.

5. Post-Conditions

5.1 Successful Post-condition

System has logged student attendance for the proper class meeting in the database.

5.2 Unsuccessful Post-condition

No changes have been made to the state of the database.

6. Key Scenarios

6.1 Basic Scenario

Student logs attendance at a class meeting using the Basic Flow.