Requirement Analysis Document

ATTENDANCE MANAGEMENT SYSTEM

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Introduction:

This document has the requirements of Attendance Management tool. The AMS tool is used by Class Representatives . By using the AMS Tool, It provide an interface to the students to mark their attendance and interact with lecturers.

Purpose:

The purpose of this document is to gather the requirements that are needed for implementing the Attendance Management Tool. It also focuses on various key features such as asking doubts about the subjects to the lecturers.

The purpose of AMS tool is to provide on-line solutions to students and lecturers in maintaining Attendance.

Intended Audience:

The intended audience will be the students and lecturers who want to get on-line attendance and Queries about the studies.

Stakeholders:

Client: Class Representative – Name of CR

Users: Students or Lecturers or administration who use the AMS Tool

Product Vision

Vision Statement:

The product vision is to develop a AMS Tool, which is user friendly and easily accessible. This AMS Tool helps to Students to mark their daily attendance and querying about their doubts to the lecturers and also It helps to administration to gather the report of attendance .
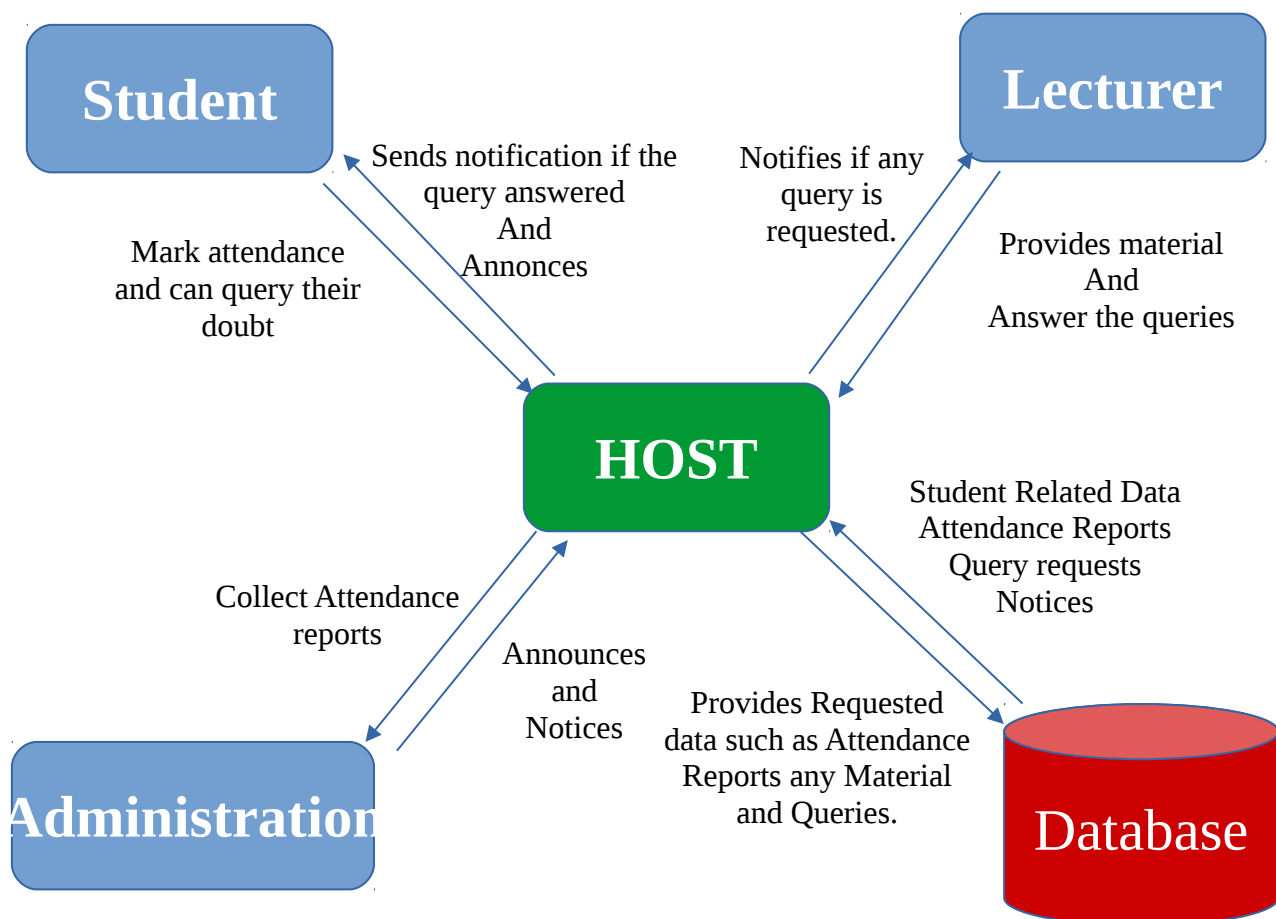
Technologies:

HTML, JAVA Servelets,MySQL, JAVA SCRIPT and Glass-Fish or Tomacat Server.

System in Context:

AMS Tool is a multi user system which provides online solutions to given problem for students and also to mark attendance. It takes query request from student and provide query id to student. It assigns query request to lecturer. It provides status of the query request to student, lecturer and administrator. It allows administrator and lecturer to change query request status.

Context Diagram

Student

Lecturer

Sends notification if the query answered
And
Annonces

Notifies if any query is requested.

Mark attendance and can query their doubt

Provides material
And
Answer the queries

HOST

Student Related Data
Attendance Reports
Query requests
Notices

Collect Attendance reports

Announces and Notices

Provides Requested data such as Attendance Reports any Material and Queries.

Administration

Database

Requirements:

1. System (Attendance Management System) supports three types of people.

   a. **Student**: Marks his/her attendance , ask doubts in subjects and to chat with other students.

   b. **Lecturer**: Collects the attendance report of the day and replies to the queries of the students.

   c. **Administration**: Collects the whole attendance report of the day and make new announces or notices to the students.

2. Student posts the "Query" with the following details:

   a. What the query is ?

   b. Creating Query ID ?

   c. To which dept. lecturer the query has to be request?

3. System accepts the query request and sends an immediate notification to student with a generated unique query id as a subject line. Student can use this id for further reference.

4. System adds status of the query request, id and email address of lecturer after assigning the query request to one of the lecturer.

5. System provides a web page to administrator to view all the posted unresolved query requests. The web page contains.

   a. Query request submitted time

   b. Support students id/name - who has been assigned to the particular request.

   c. User name - the Student's name, who posted the query request.

   d. User email address or ID Number.

   e. Link – This displays actual query request form of the student.

6. Privileges given by system.

    a. To Administrator

        i. To check the attendance of each student and notifying to the student if less than required attendance percentage.

        ii. Provides the additional details of the lectures about their subjects dealing and qualifications.

        iii. Update the status of the query request.

    b. To Lecturer

        i. Reply to the query requested.

        ii. Providing any material if needed.

7. When the status of query request is changed, a notification is sent to the lecturer (Who has been assigned to the query request) and the student (Who posted the query request) by the system.

8. The notification which is sent to student and lecturer should have a link to view the current status of the query request.

9. The Management system provides different ways of searching the stored query requests.

    a. By entering student name/id and options (opened or closed) - shows particular student query requests.

    b. By entering lecturer's id/name options (opened or closed) – shows particular assigned lecturer's query requests.

1. Lecturers updates often the information about the work which has been done so far on a particular query, helps him to go further process on that query.

Non-Functional Requirements:

Reliability:

   Student should get appropriate information about his/her query.

Usability:

   This tool should has user friendly GUI. Student can use it effectively and efficiently.

Availability:

Student can get information within 6 or 7 working hours. Student can access at any time with this tool.

Accessibility:

This tool support multi user accessing. Any user can access the system from any place to use the tool

Performance:

User should have fast/moderate access to get the information from the lecturer. User should

retrieve the information from query database very quickly.

Security:

As it is a web based application it should be more secure in order to save attendance and also to make session for a student and lecturer

confidential data from hackers.

Platform Compatibility:

This tool has to work on any kind of operating system without modifying it.