



BHARATIYA VIDYA BHAVAN'S
SARDAR PATEL INSTITUTE OF TECHNOLOGY
MUNSHI NAGAR, ANDHERI (WEST), MUMBAI – 400 058.
(Autonomous College Affiliated to University of Mumbai)
MASTER OF COMPUTER APPLICATIONS

Class: F.Y.MCA Semester: I AY2425 Subject: Software Engineering Lab

Subject In charge: Nikhita Mangaonkar Course Code: MC503

ROLL NO.: 2024510001 BATCH: A

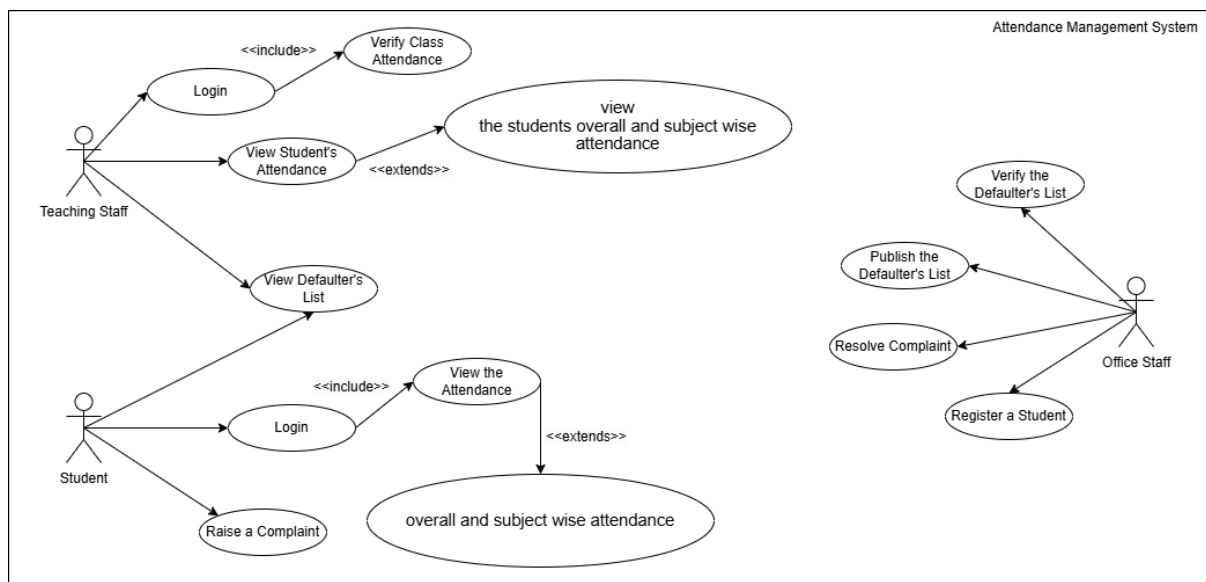
NAME: Atharva Vasant Angre

EXPERIMENT NO: 03

EXPERIMENT TITLE: Draw use case diagram. Prepare Use case specification document for given Scenario.

Objective:

1. To design Use Case Diagram.
2. To identify and implement System, Use cases, Actors, Relationships from a given case study.
3. To implement Use case specification



Use Case Diagram Specification

Use Case ID:	AMS1
Use Case Name:	Attendance Management System
Created By:	Atharva Vasant Angre
Date Created:	03.12.2024



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Actor:	Student, Teaching Staff, Office Staff
Description of use cases:	<ul style="list-style-type: none">• Login: Allows both Teaching Staff and Students to log into the system securely.• View Student's Attendance: Enables Teaching Staff to view individual or class-wise attendance records.• Verify Class Attendance: Teaching Staff verifies and updates attendance records.• View Defaulter's List: Teaching Staff can view students who fall below the attendance threshold.• View the Attendance: Students can view their overall and subject-wise attendance.• Raise a Complaint: Students can report any discrepancies in their attendance.• Resolve Complaint: Office Staff handles and resolves complaints raised by students.• Register a student: Office Staff registers new students in the system.• Publish the Defaulter's List: Office Staff officially releases the list of defaulters.• Verify the Defaulter's List: Office Staff validates the accuracy of the defaulter's list.
Preconditions:	<ul style="list-style-type: none">• Teaching Staff and Students must have valid credentials to log into the system.• The system must contain preloaded attendance records for students.• Office Staff must have administrative access to manage student records.
Postconditions:	<ul style="list-style-type: none">• Login: Users are redirected to their respective dashboards.• Verify Class Attendance: Attendance records are updated in the system.• View Attendance: Students can view accurate, updated attendance information.• Raise a Complaint: Complaints are logged and forwarded to the Office Staff for resolution.• Resolve Complaint: Complaints are resolved, and the changes are reflected in the system.• Publish Defaulter's List: The list is made accessible to all concerned parties.
Extends:	<ul style="list-style-type: none">• View Student's Attendance: Teaching Staff can use this to extend View the Attendance, adding a higher level of detail.• Overall and Subject-wise Attendance: Extends both View Student's Attendance and View the Attendance for a detailed breakdown.
Includes:	<ul style="list-style-type: none">• Verify Class Attendance: Includes Login for Teaching Staff.• View Attendance: Includes Login for Students.• Publish Defaulter's List: Includes Verify Defaulter's List to ensure accuracy.
Assumptions:	<ul style="list-style-type: none">• Attendance records are updated daily in the system.• Defaulter thresholds (e.g., minimum attendance percentage) are preconfigured and known to all users.• Complaints are resolved within a reasonable timeframe.