

Proposal Document

Group 2

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Teacher Leave Management System (TLMS)

1. Domain Study

❖ Process of the selected domain:

The government education sector (particularly the management of teacher attendance and leave in schools).

❖ Current Scenario and Involved People:

Current systems rely on manual processes, leading to inefficiencies for teachers, clerks, and administrators. Stakeholders include teachers, clerks, and principals.

❖ Problem Background:

Manual processes for leave applications and attendance tracking cause delays, errors, and a lack of transparency. The TLMS aims to digitize these processes for efficiency and accuracy.

2. Information Elicitation

❖ How Information Was Collected:

- Secondary Data: Research on existing leave management solutions.
- Primary Data: Interviews with teachers, clerks, and principals.
- Tools Used: Surveys

(https://docs.google.com/forms/d/e/1FAIpQLSe_aOz4K_amfqZwcrqM5FTEzgMyEb2BT1rDxeiiPa_9Ha1GrQ/viewform?usp=dialog)

❖ Similar System Study:

System Name	Purpose	Features	Gaps Identified
HR Leave Systems	Manage corporate leave processes	Focused on corporate setups	Not tailored for schools
Attendance Tracker	Record attendance	Basic tracking features only	No leave management

3. Project Solution and Justification:

❖ Requirements:

- User needs: Simplify leave requests, ensure real-time attendance tracking, and generate reports.

❖ Functional Requirements:

- Leave request management for teachers.
- Approval workflow for principals.
- Attendance insights for clerks.

❖ Non-Functional Requirements:

- High availability.
- User-friendly interfaces.
- Secure data handling.

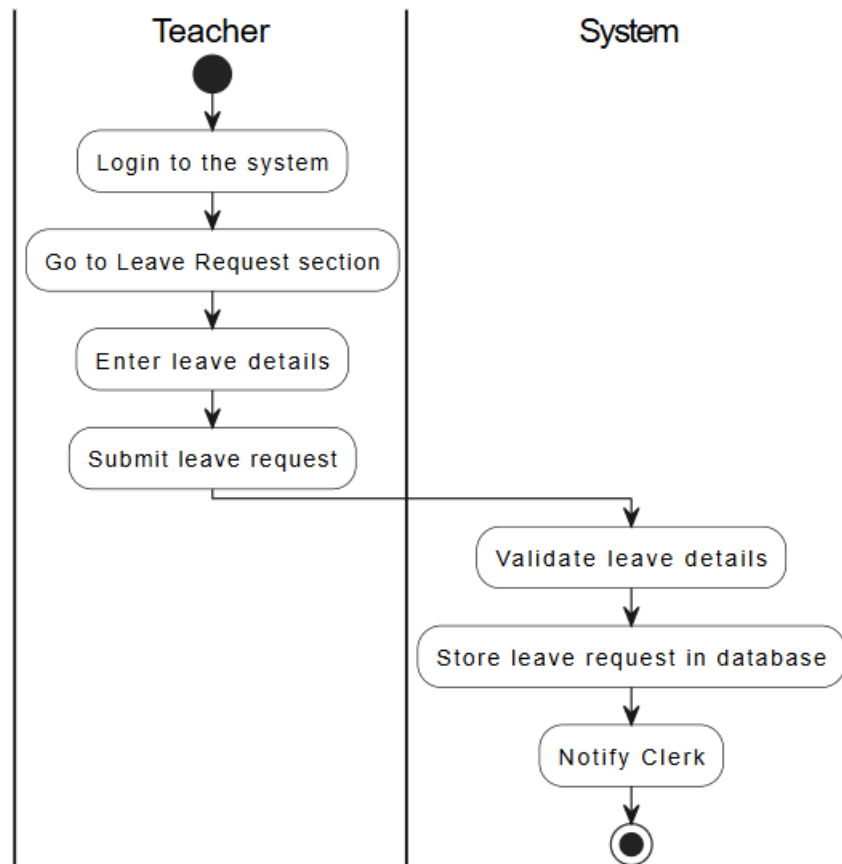
❖ Justification:

- The system automates repetitive tasks, improves data accuracy, and enhances transparency.

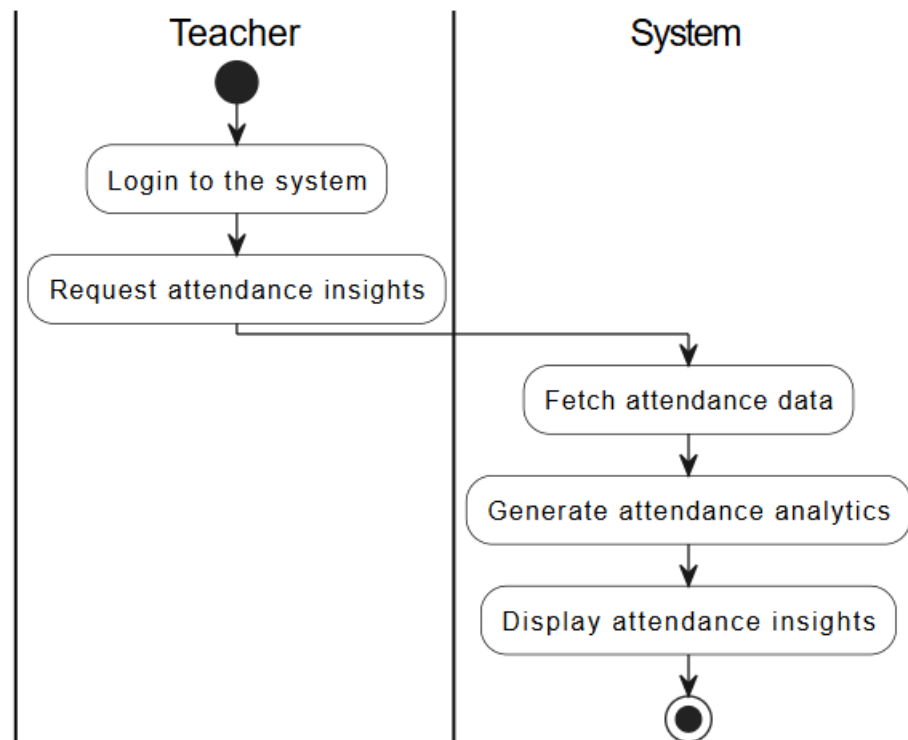
4. Visual Representation:

❖ Activity Diagrams

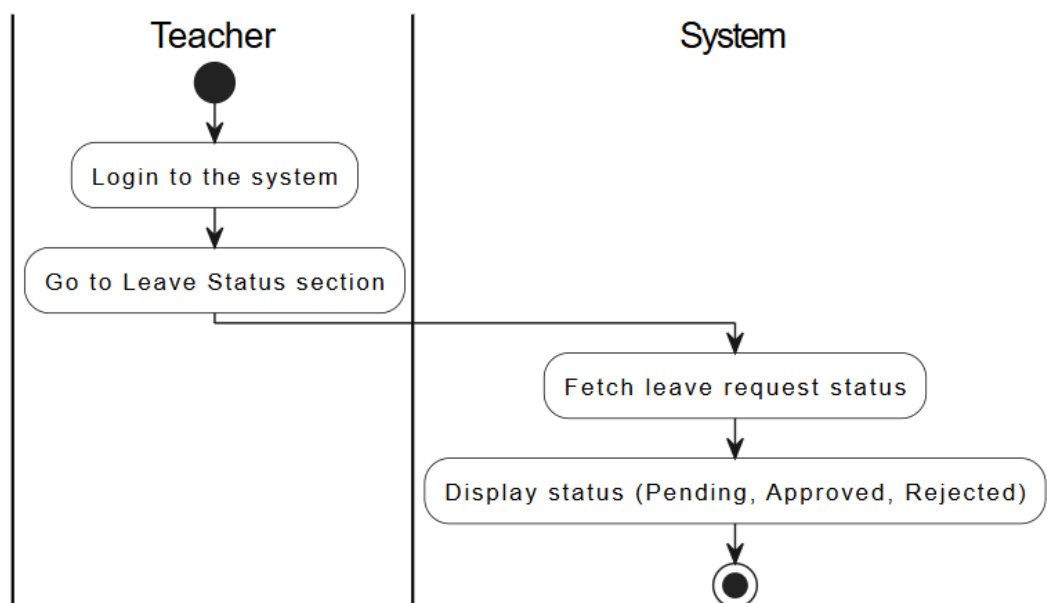
I. Submit Leave Request



II. View Attendance Insights



III. View Leave Status



5. UI Mockups: