

# EMPLOYEE LEAVE MANAGEMENT SYSTEM

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## ABSTRACT

This project is aimed at developing an online leave management system that is of importance to either an organization. The Leave Management System (LMS) is an Intranet based application that can be accessed throughout the organization or a specified group/Dept. This system can be used to automate the workflow of leave applications and their approvals. The periodic crediting of leave is also automated. There are features like email notifications, automatic approval of leave, report generators etc in this system. Leave Management application will reduce paper work and maintains record in more efficient way.

**Keyword:** -Visual C#, Microsoft Visual Studio., Microsoft SQL Server.

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## 1.Introduction

In the existing paper work related to leave management, leaves are maintained using the attendance register for staff. The staff needs to submit their leaves manually to their respective authorities. This increases the paperwork & maintaining the records becomes tedious. Maintaining notices in the records also increases the paperwork. The main objective of the proposed system is to decrease the paperwork and help in easier record maintenance by having a particular centralized Database System, where Leaves and Notices are maintained. The proposed system automates the existing system. It decreases the paperwork and enables easier record maintenance. It also reduces chances of Data loss. This module intelligently adapts to HR policy of the management & allows employees and their line managers to manage leaves and replacements for better scheduling of workload.

**SYSTEM MODULES:-** The module is the whole description of every particular option available in the leave management system.

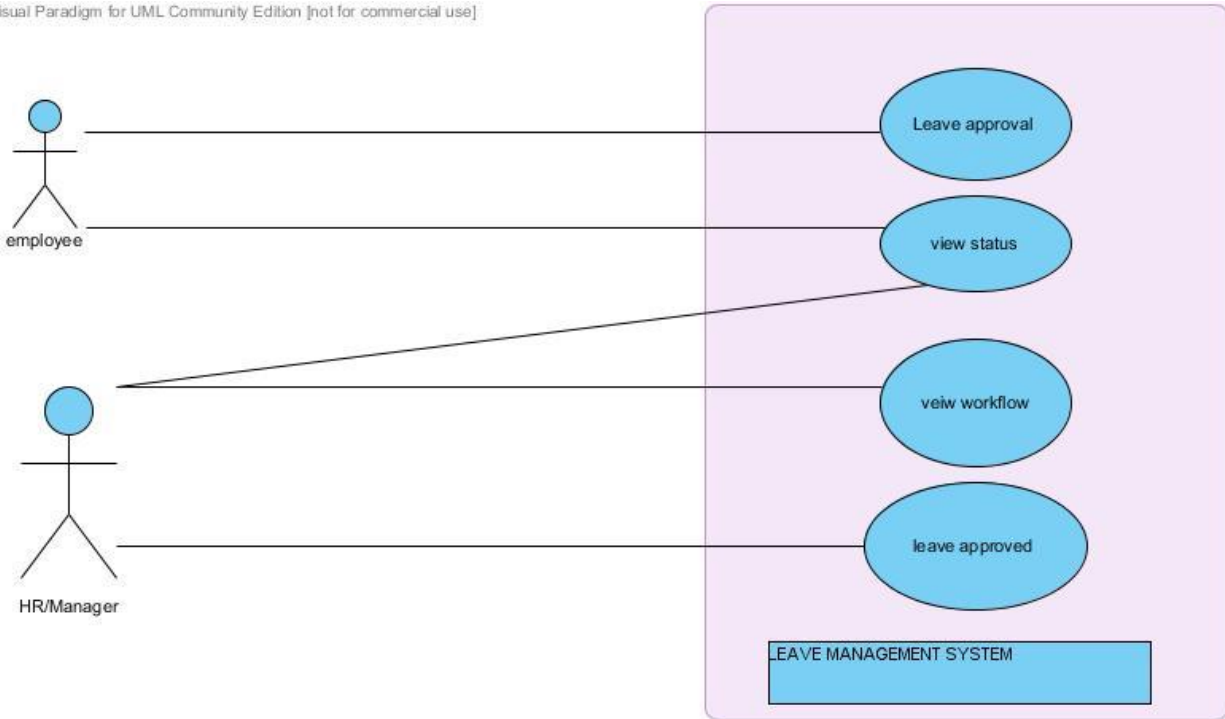
## MAIN MENU

It consists of the login page to authenticate the user with a username and a password.

## LOGIN

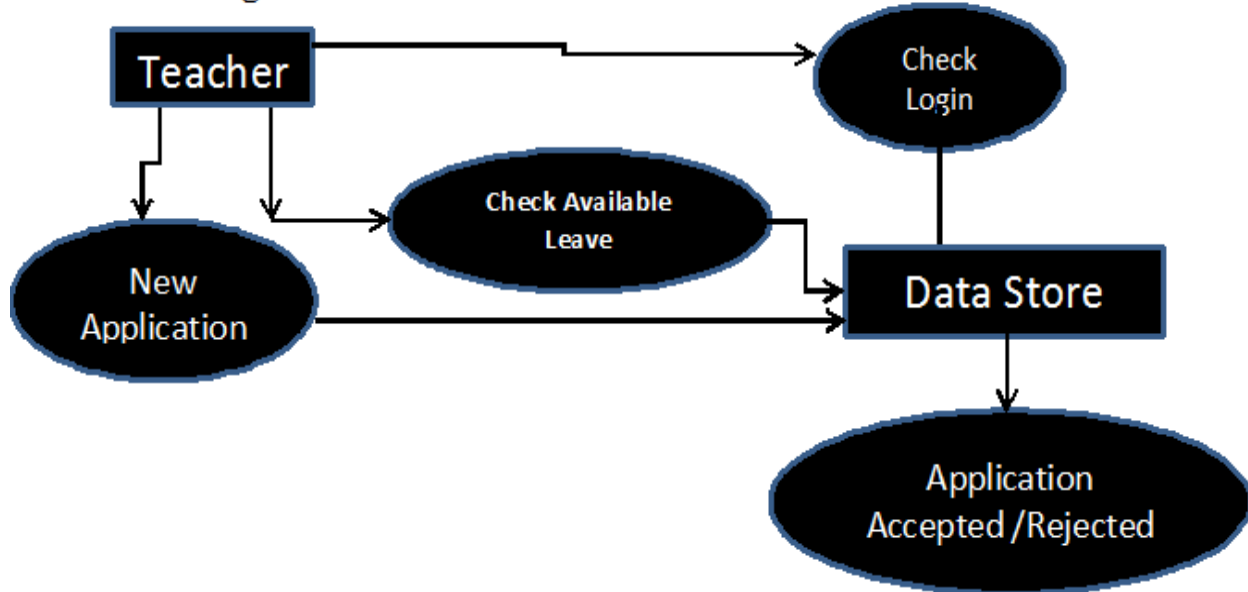


Visual Paradigm for UML Community Edition [not for commercial use]

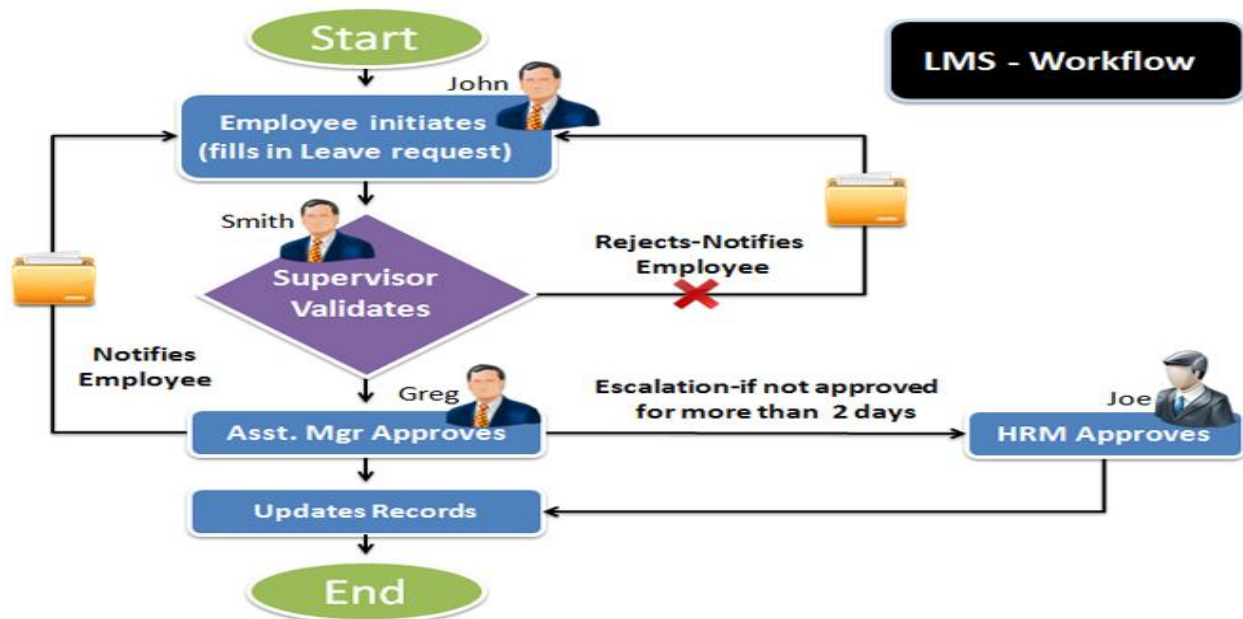


1.2 System Architecture

**DFD: Teaching Staff**



1.3 Flow Chart



### Existing system:

In the existing paper work related to leave management, leaves are maintained using the attendance register for staff. The staff needs to submit their leaves manually to their respective authorities. This increases the paperwork & maintaining the records becomes tedious. Maintaining notices in the records also increases the paperwork.

### Issues in Existing System:

It does not ensure security of every record. It increases the redundancy of data and gives various facilities. It leads to loss of data. The staff has to write a letter to its superior for leave which makes it a tedious work for the staff.

**Proposed System:** To automate the existing leave management in educational institutes. To decrease the paperwork and enable the process with efficient, reliable record maintenance by using centralized database, thereby reducing chances of data loss. To provide for an automated leave management system that intelligently adapts to HR policy of the organization and allows employees and their line managers to manage leaves and replacements for better scheduling of work load & processes.

**System Requirements:** The system requirement for this project are :-

### Software Requirement

#### Microsoft Visual Studio 2010

It is an integrated development environment from Microsoft. It is used to develop console and graphical user interface application along with Windows Forms or WPF application, web sites, web application and web services in both native code together with managed code for all platforms.

It includes a code editor supporting intellisense as well as code refactoring. In this project Microsoft Visual Studio 2010 has been used.

#### Microsoft Visual C#

It's an implementation of the C# language, targets the .NET framework, along with the language services that lets the visual studio IDE support C# projects. While the languages are a part of visual studio, the compiler is available separately as a part of the .NET framework. In my project I have used C# 4.0.

### Microsoft SQL Server

It is a RDBMS developed by Microsoft . As a database it is a software product whose primary function is to store and retrieve data as requested by other applications , be it those on another computer across a network . I have used Microsoft SQL Server 2010 during the completion of my project .

### Hardware Requirements

Computer Network  
Main Server machine

### SUMMARY

\*Create a employee leave management system using C# and visual studio.

\*Has minimal system requirements.

\*Implemented using Microsoft C#, Microsoft Visual Studio, and Microsoft SQL Server.

### ACKNOWLEDGEMENT

It is a pleasure to acknowledge “Computer Science Department”, for giving the opportunity and allowing to do our project in the labs. We sincerely convey our gratitude to our project guide Mrs. Madhuram.M whose continuous support and encouragement helped to complete the project. We are also thankful to all the faculty and supporting staff who provided us with adequate data information and help in spite of their hectic schedule.

### REFERENCES

- [1]. [www.wikipedia.com](http://www.wikipedia.com)
- [2]. <http://csharp.net-informations.com>
- [3]. <http://msdn.microsoft.com>
- [4]. <http://net-informations.com>
- [5]. Notes on c# BY Herbert Scildht
- [6]. The Complete Guide to C# Programming by Er.V.K.Jain
- [7]. C# Programming by E. Balgurusamy

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