**Synopsis**

On

**“Online Employee Leave Management Application”**

M.C.A. Major Project



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**SYNOPSIS OF ONLINE LEAVE MANAGEMENT APPLICATION**

**OBJECTIVE:**

The objective of the project is to develop an app that automates the application of an employee leave.  
The purpose is to design an App by which an employee can apply leaves through online.

**EXISTING SYSTEM:**

In the present system if an employee has applied for a leave which takes several times to approve the leave.  
This often requires a lot of time and effort.  
An employee may not get the desired information from the organization, which they work for.

**PROPOSED SYSTEM:**

The proposed system is an android application and maintains employee related leave information.  
The system allows one to easily access the relevant information of the employee leave and can apply for a leave according to the organization’s norms.

**STUDY OF THE SYSTEM:**

To provide flexibility to the users(employee), the interfaces have been developed that are accessible through an App. The GUI’S at the top level have been categorized as

Employee (user) interface  
Application for the leave interface  
The ‘Employee (user)interface’ concentrates on the consistent information that is part of the organizational activities and which needs proper authentication for the data collection from database. These interfaces help the administrators with all the transactional states like Data insertion, Data deletion and Date updation along with the extensive data search capabilities.

The ‘Application for the leave interface possesses the entire leave information of an organization. An employee can visit all leave description details once they logged in into the application, which was provided by the company. They can apply a leave according to their login id and password which is given by the company included flexibilities.

**FUNCTIONAL REQUIREMENTS:**

Number of Modules

After careful analysis the application system has been identified to have the following modules:

Employee login module  
Leave Application Details Module  
Navigation Drawer Options Module for Leave Application   
Leave Displaying Module

Sign-out Module

**1.** **Employee Login Module:**

This module provides administrator related functionality. An employee can logged in to this application with the help of login id and password which was generated from the admin (organization).So in hence we have given the login and password info from backend, if the employee has given the correct login information they can access the App.

**2. Leave Application Details module:**

This module provides the details of leave application provided by the organization according to employee id with employee name.

**3. Navigation Drawer Option MODULE for Leave Application:**

This module provides functionalities that allow the leave application from the employee using navigation drawer option. An employee can apply a leave on day to day basis (from date-to\_date) and then the information of the leave application has given by the employee will be going to the backend part.

**4.** **Leave Displaying Module:**

By default it will be shown “not approved” status, once it will be approved by the admin(Organization),it will display the leaves of an employee.

**5. Sign out Module:**

With this module they can sign out from the application by any time.

**NON-FUNCTIONAL REQUIREMENTS:**

**SOFTWARE REQUIREMENTS:**

Operating System : Windows 8.1

Technology : Android

Languages Used: Java, XML

IDE : Android Studio

Database : Sqlite

**HARDWARE REQUIREMENTS:**

Hardware :

Processor:Intel core i5

RAM : 4GB

**INPUT DESIGN:**

Input design is a part of overall system design. The main objective during the input design is as given below:

To produce a cost-effective method of input.  
To achieve the highest possible level of accuracy.  
To ensure that the input is acceptable and understood by the user.

INPUT STAGES:

The main input stages can be listed as below:

Data recording  
Data transcription  
Data conversion  
Data verification  
Data control  
Data transmission  
Data validation  
Data correction

**INPUT TYPES:**

It is necessary to determine the various types of inputs. Inputs can be categorized as follows:

External inputs, which are prime inputs for the system.  
Internal inputs, which are user communications with the system.  
Operational, which are computer department’s communications to the system?  
Interactive, which are inputs entered during a dialogue.

**INPUT MEDIA:**

At this stage choice has to be made about the input media. To conclude about the input media consideration has to be given to;

Type of input  
Flexibility of format  
Speed  
Accuracy  
Verification methods  
Rejection rates  
Ease of correction  
Storage and handling requirements  
Security  
Easy to use  
Portability  
Keeping in view the above description of the input types and input media, it can be said that most of the inputs are of the form of internal and interactive. As

Input data is to be the directly keyed in by the user, the keyboard can be considered to be the most suitable input device.

**OUTPUT DESIGN:**

Outputs from computer systems are required primarily to communicate the results of processing to users. They are also used to provide a permanent copy of the results for later consultation. The various types of outputs in general are:

External Outputs whose destination is outside the organization.  
Internal Outputs whose destination is with in organization and they are the User’s main interface with the computer.  
Operational outputs whose use is purely with in the computer department.  
Interface outputs, which involve the user in communicating directly with the system.

OUTPUT DEFINITION

The outputs should be defined in terms of the following points:

Type of the output  
Content of the output  
Format of the output  
Location of the output  
Frequency of the output  
Volume of the output  
Sequence of the output  
It is not always desirable to print or display data as it is held on a computer. It should be decided as which form of the output is the most suitable.

For Example

Will decimal points need to be inserted  
Should leading zeros be suppressed.

**OUTPUT MEDIA:**

In the next stage it is to be decided that which medium is the most appropriate for the output. The main considerations when deciding about the output media are:

The suitability for the device to the particular application.  
The need for a hard copy.  
The response time required.  
The location of the users  
The software and hardware available.  
Keeping in view the above description the project is to have outputs mainly coming under the category of internal outputs. The main outputs desired according to the requirement specification are:

The outputs were needed to be generated as a hard copy and as well as queries to be viewed on the screen. Keeping in view these outputs, the format for the output is taken from the outputs, which are currently being obtained after manual processing. The standard printer is to be used as output media for hard copies.