

LEAVE MANAGEMENT SYSTEM

Documentation:

It is a three-tier leave management system, where leaves are applied, processed and then granted/rejected. All of the logs are maintained by an ultimate admin.

1) Front-End Description:

The webpage begins with a simple, formal page which has sign in as well as sign up. The user can make an account which would be in three stages: Level 1(employee), Level 2(immediate boss), Level 3(head) and a final admin will maintain all leaves sent and received. The admin id is **admin@iitrpr.ac.in** and password is **xyz**. Once logged in one can make an application for a leave to the person of the higher authority. The head is created by default and has **id3@gmail.com** with password **abcd**. He has the form and the dashboard in which he gets whether his leave is approved or not. The higher authority gets the applications for request in the dashboard to which he can accept or reject. If he accepts it will go to the head and he has further rights to approve or reject. His decision is final. Once approved or rejected the user gets notified in the dashboard. The simple look was chosen for a simplistic design and bootstrapping has also been done to make it a much more premium website.

2) Back-End Description:

There are two databases created namely dashboard and user. The user database contains all the data of the users like their id, password etc. whereas the dashboard one creates a database of the leave records which are used in the dashboard. To create a database the CreateDatabse.php file is to be run. The database of phpmyadmin has now been password locked and is dependent on cookies in the browser. The id is **root** and password is **1234**. It is also protected from SQL Injections. After any request is pressed like sign in or signup they are sent to the connectivity.php file. This takes the values using the post method of the form and stores them in the database. It also does the job of assigning default values to the leaves which we are providing. The

actual job of updating the dashboards is done by the updatedashboard.php file. The log_out.php ensures that after logging out even if back key is pressed the user still stays logged out.

3) Functionalities:

(a) Sign-up:

There is a function signup in the connectivity.php which does the required thing or throws an error if anything is wrong. It makes the required database entry and redirects to a page from where we can sign in.

(b) Sign-in:

It matches the entered record with the ones in the database and then logs in the user and starts the session if it is correct else gives an error. It is again a function in the connectivity.php

(c) Submit:

This is when the application for leave is to be submitted. Again it is handled by the updatedashboard.php file. It is forwarded to the dashboard of the higher authority who then decides whether to accept or reject the application.

(d) Accept – Reject:

This is handled by the updatedashboard.php file. When either one is clicked it connects to the database and if it is accepted it reduces the counter of leaves. Now say there is a case of rejection then it directly goes to updating the dashboard with a rejection. Similarly it also updates the dashboard if the request has been accepted.

4) Work Distribution:

1) Abhishek Kumar Tiwari – 2013CSB1032:

All of the PHP work involved in the project. The connectivity.php, updatedashboard.php and log_out.php files were made.

2) Kartavya Ramnani – 2013CSB1014:

All of the HTML and CSS work involved in the project. The strong feature of bootstrapping was added along with a formal and classy look to the website.

3) Shinde Lav Chandrakant – 2013CSB1032:

All of the database (MYSQL) work involved in the project. The phpmyadmin is password protected and it has been safeguarded against the MYSQL injections.

5) Salient Features:

A beautiful, clean, light and powerful website with a formal design and bootstrapping with protection from security threatening attacks (SQL Injection).