Since you're building a **Leave Management System** using **HTML, CSS, JavaScript, PHP, and MySQL** for your **Advanced Web Technologies** project in your **second year of Computer Engineering**, it's great that you’ve already planned the basic features. Here’s a complete list of **recommended features**, including your ideas and a few enhancements, **suitable for your level** and showcasing your understanding of full-stack development:

**✅ Core Features (Must-Have)**

These are essential and should definitely be implemented:

**1. User Authentication System**

* **Login Page** (Already planned)
  + Two roles: **Owner** (admin) and **Employee**
  + Store login credentials in the **MySQL** database.
  + Use **PHP Sessions** to manage login state.
  + Passwords should be **hashed** (using password\_hash() and password\_verify() in PHP).

**2. Employee Dashboard**

* **Submit Leave Application Form**
  + Input fields: Leave Type, From Date, To Date, Reason
  + Store all data in the database.
* **Leave Status**
  + Show submitted leaves with their current status: Pending, Approved, or Rejected.

**3. Owner (Admin) Dashboard**

* View all **pending leave requests**.
* Ability to **approve or reject** each leave.
* View all **leave applications** with filter options (Approved/Rejected/Pending).
* Leave count or statistics (e.g., total leaves approved today/month).

**4. Profile Page**

* Simple profile showing employee name, email, etc.
* Owner can view all employee profiles.

**5. Email Notification (Optional/Bonus)**

* Send an email to the employee when leave is approved or rejected.
* Use PHP mail() or an SMTP service like PHPMailer.

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

email VARCHAR(100) UNIQUE NOT NULL,

password VARCHAR(255) NOT NULL,

role ENUM('employee', 'owner') DEFAULT 'employee',

-- ✅ Personal details

phone VARCHAR(15),

date\_of\_birth DATE,

gender ENUM('male', 'female', 'other'),

-- ✅ Bank details

account\_holder\_name VARCHAR(100),

account\_number VARCHAR(30),

ifsc\_code VARCHAR(20),

bank\_name VARCHAR(100),

branch\_name VARCHAR(100),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

-- Leave Applications Table

CREATE TABLE leave\_applications (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

title VARCHAR(100), -- short title for the leave application

leave\_type VARCHAR(50),

from\_date DATE,

to\_date DATE,

reason TEXT,

status ENUM('pending', 'approved', 'rejected') DEFAULT 'pending',

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (user\_id) REFERENCES user\_db(id)

);