

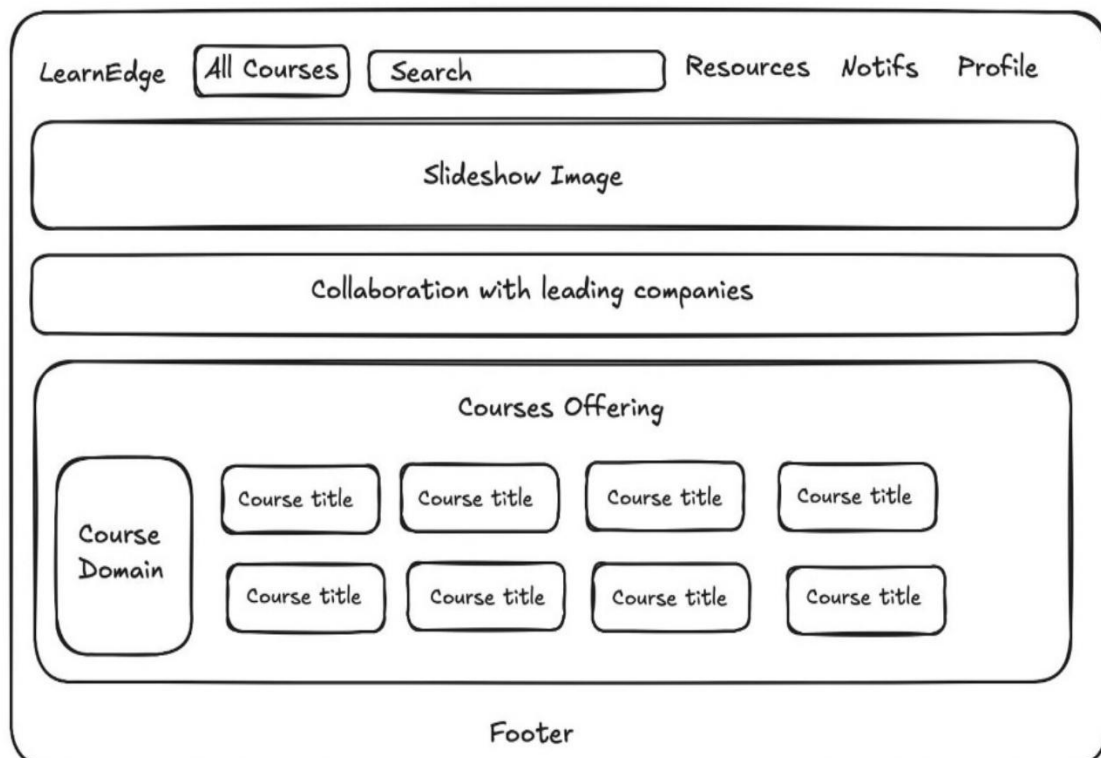
# Learning Management System - LearnEdge

Before logging in, all users—students, teachers, and admins—are presented with a common landing (index) page that provides an overview of the platform and access to the login portal. Once authenticated, the system redirects users to personalized dashboards based on their roles:

- **Students** are directed to a student dashboard where they can access courses, submit assignments, view grades, and interact with learning resources.
- **Teachers** are taken to a teacher dashboard that allows them to manage courses, review student submissions, assign grades, and communicate with students.
- **Admins** are provided with an admin panel to oversee the system, manage users, courses, and monitor platform activity.

Each user can then perform their respective responsibilities within the system based on their role, ensuring a tailored and role-specific experience post-login.

## Landing Page:



The **landing page** of the LMS portal serves as a unified entry point for all users—students, teachers, and admins—before login. It features a clean and intuitive layout designed to create a strong first impression and offer easy navigation.

- **Header:**

At the top of the page, the header includes a **search bar** for quickly finding relevant content or courses. Alongside the search bar, there are four prominent buttons:

- **All Courses** – Navigates to the complete course listing.
- **Resources** – Provides access to shared learning materials.
- **Notifications** – Displays important updates and announcements.
- **Profile** – Offers account-related options (visible or functional post-login).

- **Main:**

The main content begins with a visually appealing **slideshow banner**, designed to highlight the LMS's features, benefits, and announcements, making a strong first impression on visitors. Below the slideshow, there is a **collaboration showcase** displaying logos or mentions of **partnered companies** that have collaborated with the LMS platform, building credibility and trust. Following this, the **course catalog** occupies the remaining section, displaying a variety of available courses in an organized and visually engaging manner.

- **Footer:**

The page concludes with a **footer** containing quick links, contact information, and other essential details to help users learn more about the platform and get in touch if needed.

This structured layout ensures users are welcomed with engaging content, clear navigation, and an overview of what the LMS offers—all before logging in.

## Login:

**Login**

Image

welcome back!!

Username

Password

Forgot Password?

Login

Don't have an account? Sign Up

**Create your Account**

Image

First Name

Last Name

Username

I/D

Phone Number

Password

Create Account

Already have an Account , Login

On the **landing page**, when a user clicks the **Profile** button or attempts to view detailed information about a course, the system automatically **redirects them to the login page**, ensuring that only authenticated users can access personalized or sensitive content.

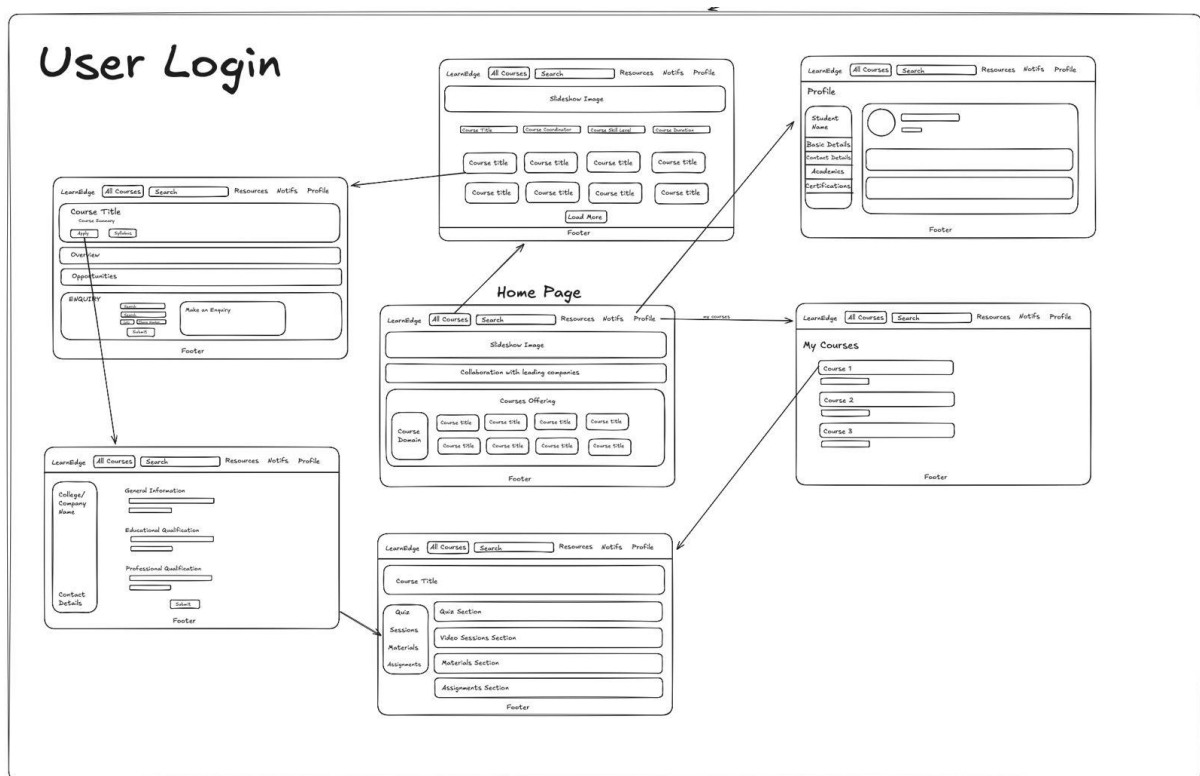
- **Login** **Page:**  
Users are prompted to enter their **username** and **password** to access the platform. The system verifies the credentials and, upon successful authentication, redirects the user to their respective dashboard (Student, Teacher, or Admin) based on their role.
- **Signup** **Option:**  
If the user does **not have an existing account**, they can click the **Sign Up** button to create a new one. During the registration process, the user must provide the following required details:
  - First Name
  - Last Name
  - Username

- Phone Number
- Password

The system includes validation to **prevent duplication** of usernames or phone numbers, ensuring the uniqueness of each account.

This process guarantees secure access control while offering a smooth onboarding experience for new users.

## Student Page:



After a student successfully logs in using valid credentials, they are redirected to their **personalized index page**, which visually and structurally resembles the landing page but now provides access to **student-specific functionalities**.

- **All Courses:**

Clicking the **"All Courses"** button navigates the student to a dedicated page listing **all available courses**. This page includes **filtering options** in the form of

**dropdowns**, allowing students to narrow down courses based on categories such as subject, level, price (free/paid), duration, etc., according to their needs.

- **Course Details & Registration:**

When a specific course is selected, the system redirects the student to a **course detail page** that displays comprehensive information about that course. This page includes an **"Apply" button**. Clicking this button takes the student to a **course registration form**. Upon successful submission, the student is officially enrolled and gains access to all related **course resources and assignments**.

- **Search Functionality:**

On the student's index page, the **search bar** can be used to quickly locate specific courses. It filters and displays relevant results in real time. Once a course is selected from the search results, the same registration and access flow follows.

- **Resources Button:**

Clicking the **"Resources"** button presents two options:

- **Free Courses**
- **Paid Courses**

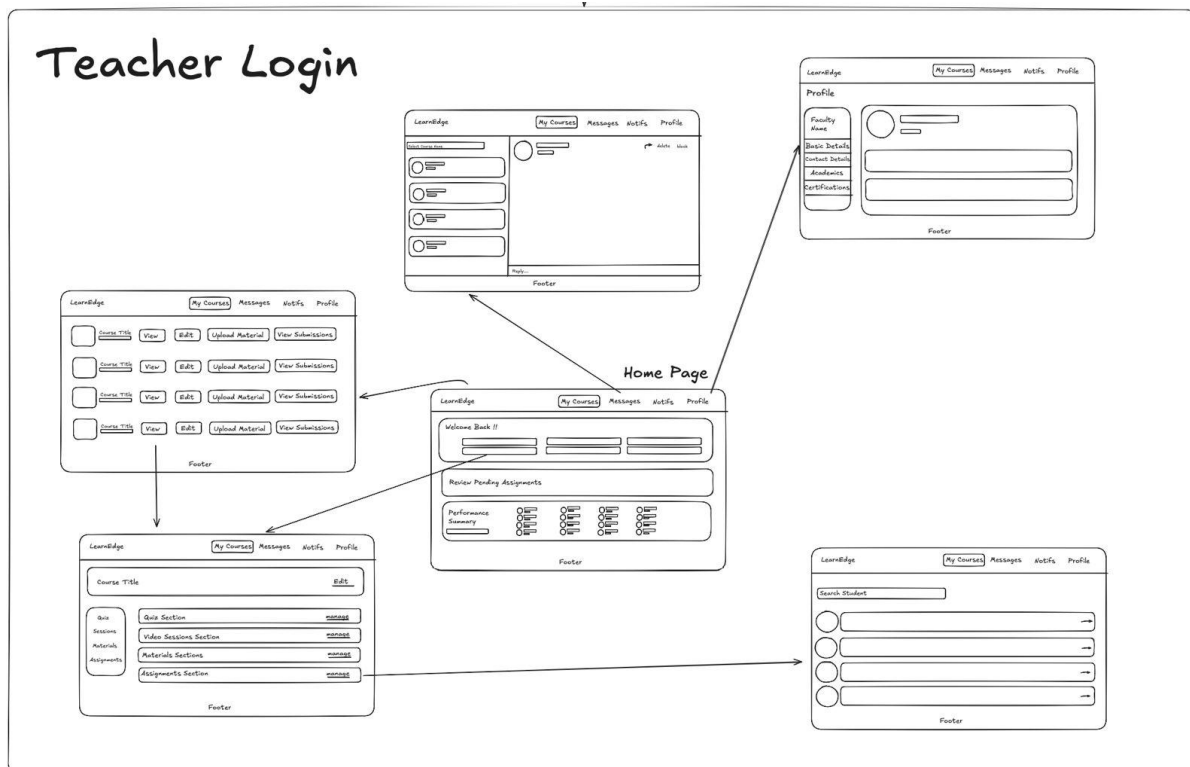
Choosing either option redirects the student to the **All Courses page**, with the course list filtered based on the selected type (free or paid).

- **Notifications & Profile:**

- The **Notifications** button displays updates related to assignments, course announcements, and system alerts.
- The **Profile** button provides user-specific information and options. Clicking **"My Courses"** under the profile menu redirects to a page that lists **all courses the student has enrolled in**.

This structured flow ensures an intuitive and seamless experience for students, from browsing and filtering courses to enrollment and resource access.

## Teacher Login:



When a **teacher logs in** using valid credentials, they are redirected to their **dedicated index page**, which is tailored to their role and responsibilities within the LMS.

- **Dashboard Overview:**

In the **main body section** of the index page:

- A **"My Courses" section** displays the list of courses to which the teacher is currently assigned.
- A **"Pending Reviews" section** highlights courses or assignments that require the teacher's attention for review or grading.
- A **"Student Performance Summary" section** presents a quick analytical view of student progress, grades, and activity in their respective courses.

- **My Courses:**

Clicking on the **"My Courses"** button navigates to a **dedicated page** showing all

courses assigned to the teacher. For each course, the following actions are available:

- **View** – Access full course content and enrolled student list.
- **Edit** – Update course information and structure.
- **Upload Material** – Add lecture notes, videos, resources, etc.
- **View Submissions** – See and evaluate student assignment submissions. Selecting any of these actions redirects the teacher to the **detailed page of that specific course**, where the chosen functionality is accessible.

- **Assignments Page:**

A **separate assignments management page** allows teachers to view and make changes to individual student assignments, such as:

- Providing feedback
- Updating grades
- Allowing resubmission

- **Messaging System:**

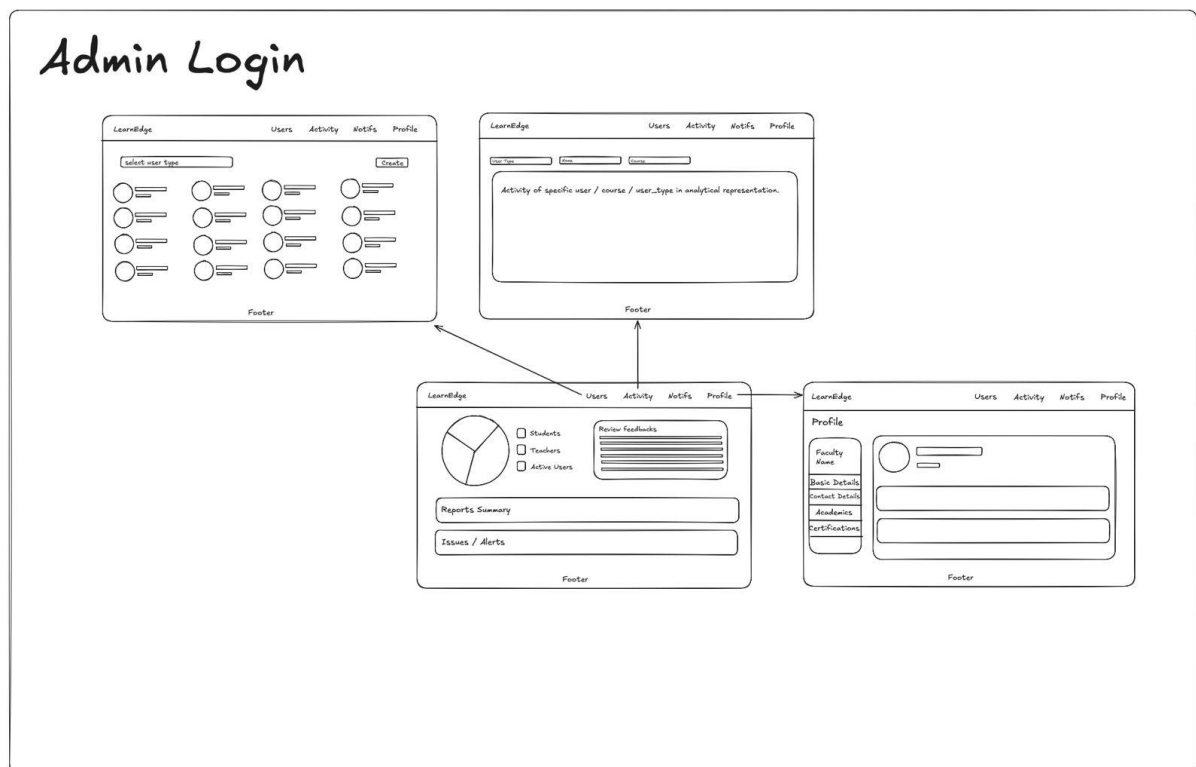
On clicking the "**Messages**" button from the index page, the teacher is redirected to a **student chat interface**, where they can communicate with students directly to address questions, issues, or provide guidance.

- **Navigation and Profile:**

The interface includes intuitive **navigation controls** for easy access across sections. The **Profile** button allows the teacher to manage their personal details, account settings, and view their activity within the LMS.

This layout ensures that teachers can efficiently manage their courses, communicate with students, and monitor academic progress, all from a centralized and user-friendly dashboard.

## Admin Login:



When an **admin logs in** using valid credentials, they are redirected to their **role-specific index page**, designed to give a comprehensive overview of platform activity and user management tools.

- **Dashboard Overview (Body Section):**

The main body of the admin index page consists of several key sections:

- **Analytical Representation of Users:** Visual charts or statistics showing the total number of students, teachers, and other roles registered on the platform.
- **User Feedback Section:** Displays feedback submitted by students and teachers, helping the admin monitor user satisfaction and identify areas for improvement.
- **Report Summary:** A consolidated section summarizing activity reports, course statistics, and engagement metrics.
- **Issues & Alerts Section:** Displays system alerts, reported issues, and flagged activities that require admin attention for resolution.



- **User Management:**

Clicking on the "**Users**" section redirects the admin to a complete list of all registered users. This page includes:

- A **filter option** to view users based on type (e.g., Student, Teacher, Admin).
- A "**Create User**" button, allowing the admin to manually add a new user by entering details such as name, role, username, and contact information. The system ensures **no duplication** during user creation.

- **Notifications & Profile:**

- The **Notifications** button alerts the admin to important updates, such as new user registrations, issue reports, or system changes.
- The **Profile** button allows the admin to manage personal account settings and view admin-specific activity logs.

This dashboard equips the admin with powerful tools to oversee the LMS, manage users, monitor platform health, and address concerns efficiently in a centralized and organized manner.

## **Conclusion:**

The above descriptions outline the complete design concept of a **Learning Management System (LMS)**, including the definition of **three primary user roles: Student, Teacher, and Admin**. Each user is provided with a **role-specific interface** and access to pages and features tailored to their responsibilities, such as course management, performance tracking, assignment handling, and system administration.

To enhance usability and performance, the system follows a **hybrid navigation model**:

- **Dedicated Pages:**

For major features—such as viewing full course details, submitting assignments, managing users, and accessing dashboards—the system uses **separate pages** to maintain clarity and data integrity.

- **Dynamic Pop-up Containers:**

For features or options that do not require full-page redirection, the LMS uses **dynamic containers (pop-up modals or slide-ins)** that appear within the same page. These are used for actions such as:

- Viewing notifications
- Editing small sections of user data
- Viewing brief course previews
- Confirming actions (e.g., "Are you sure?" prompts)
- Quick interactions or updates

This design approach is aimed at **reducing unnecessary page reloads**, improving performance, and offering a **more seamless and efficient user experience**. By minimizing redirections and keeping users within context, the LMS ensures faster navigation and increased productivity across all user roles.