

## **Title: Online Learning Management System**

As a Project Work for Course

### **INTERNET PROGRAMMING LABORATORY** **(CSE 326)**

By

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**Submitted To: Nahita Pathania Mam**

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# INDEX

S.no	Table of Contents	Page. No
1.	INTRODUCTION	
2.	TECHNOLOGIES USED	
3.	MODULES	
4.	WEBSITE SNAPSHOTS	
5.	CODE SCREENSHOT	
6.	CONCLUSION	
7.	REFERENCES	

# **Introduction**

An Online Learning Management System (LMS) website is a centralized educational platform providing secure access, content management, and communication tools. With personalized dashboards, collaboration features, and mobile compatibility, it optimizes the learning experience. Upholding security, compliance, and user support, the LMS is adaptable for diverse educational and training environments, proving invaluable in fostering effective online learning and skill development.

It acts as a virtual classroom, where students can access courses, watch lectures, complete assignments, and interact with instructors. The platform helps organize and streamline the learning process, offering a central specialized. It's a convenient way for beginners to engage in flexible, accessible, and structured learning experiences, all within a user-friendly online environment.

## **Technologies Used**

The project is implemented using HTML, CSS, and JavaScript. The core functionality is built upon JavaScript.

### **HTML:**

HTML is used to create the overlay or structure of the webpage later used attributes from different tags to trigger JavaScript functions to load all the details to the webpage.

### **CSS:**

CSS is not only used for styling of the page but also improved the webpage with responsive design which in other words makes the webpage compatible with many devices not only desktop.

### **JavaScript:**

This whole webpage is mostly functions by JavaScript which reduces the lines of code in the HTML file.

## **Modules**

### **1.Login Tab**

- **Functionality:**
  - Enables new users to create accounts on the platform.
- **Implementation:**
  - Utilize a secure registration form with fields for essential information (e.g., name, email, password).
  - Implement email verification for account validation and security.
- **User Interface:**
  - Place the Signup button prominently on the homepage or login page.
  - Include user-friendly instructions and tooltips for a smooth registration process.

## 2.Courses Tab

- Functionality:
  1. Displays a catalog of available courses for users to explore.
- Implementation:
  2. Categorize courses based on subjects, levels, or other relevant criteria.
- Each course listing should provide details such as title, instructor, and a brief description.
- User Interface:
  3. Feature the Courses tab prominently in the main navigation menu.
- Use clear and appealing visuals, such as course thumbnails.

Include a "Start Now" button for each course

### 3.About us tab:

#### **Team Introduction:**

- Provide a brief introduction to your development team.
- Mention the team's collective expertise and passion for creating the learning platform.

#### **Team Members:**

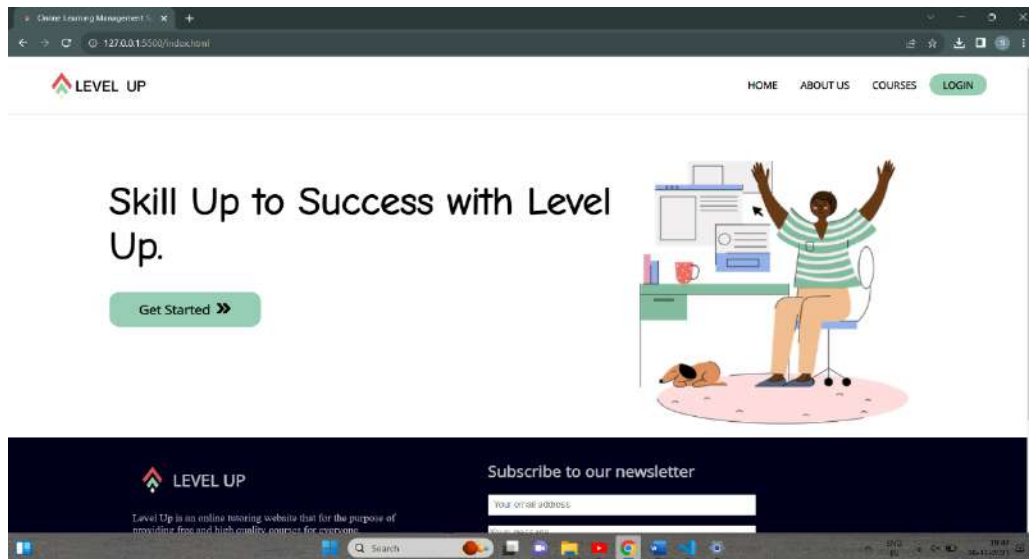
- List each team member along with their respective roles.
- Include names, titles, and a brief bio highlighting their skills and contributions.

#### **Achievements:**

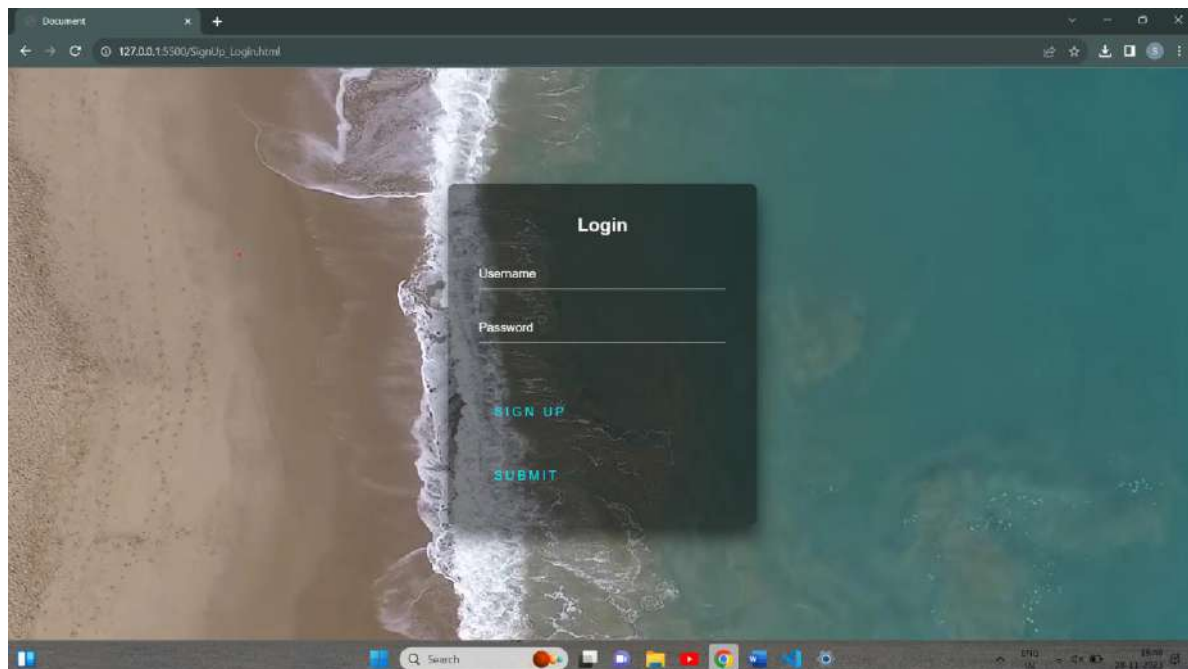
- Highlight any significant achievements or milestones reached during the development process.
- Showcase the team's ability to overcome challenges and deliver a successful product.

# Website Snapshot:

## Home Snapshot:



## Login Snapshot:





## Courses Snapshot:

user guide to everyone who wishes to gain knowledge as well as possessing a wider spectrum of information in every possible field.

### Web development

Let's learn all about coding with web development. In this course we will be encountering HTML, Javascript, CSS, SQL, JQuery.

Required hours: 200h-400h  
Teachers for this course: Amy Smith  
Number of student enrolled: 286

[Start now](#)

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:5500/courses.html'. The page features a wooden background with a laptop, a notebook, and a cup of coffee. The course title 'Web development' is prominently displayed, followed by a description, required hours, teacher name, and number of students enrolled. A 'Start now' button is located at the bottom right of the course information.

### Architecture

Learn with us the introduction to architecture that will be a window for you to get specialized in the near future.

Get to know about architecture and all the basic information you might need.

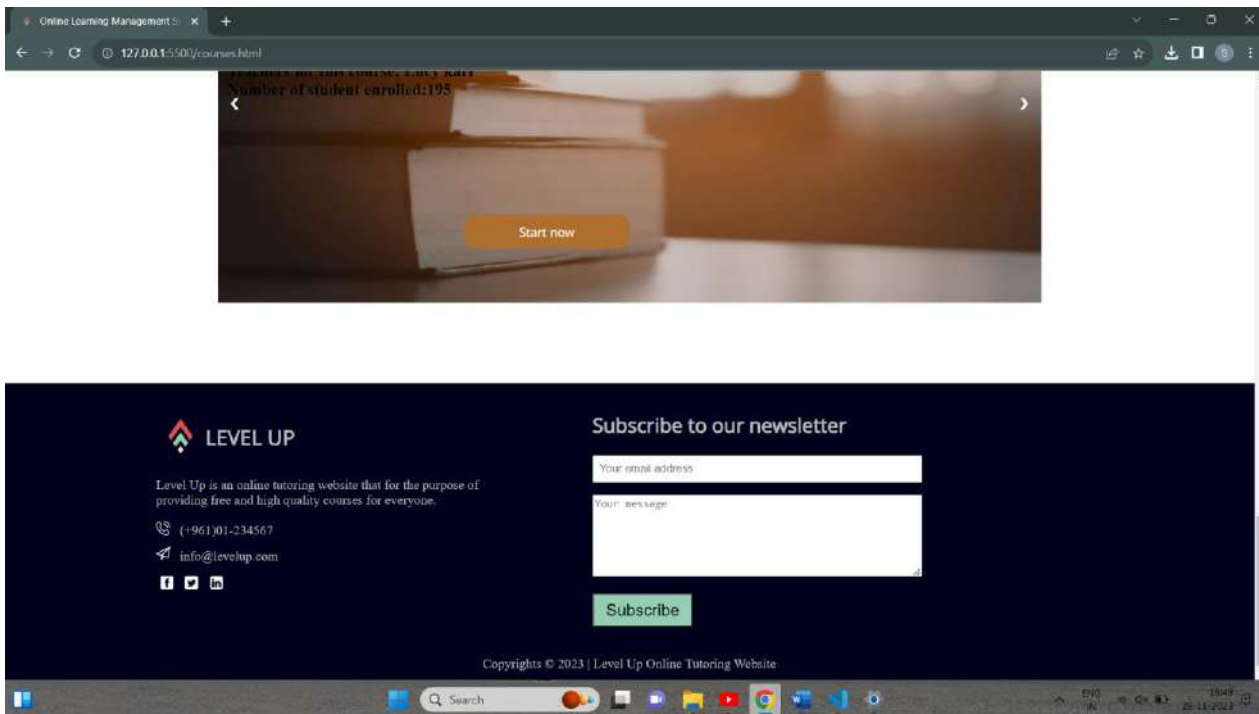
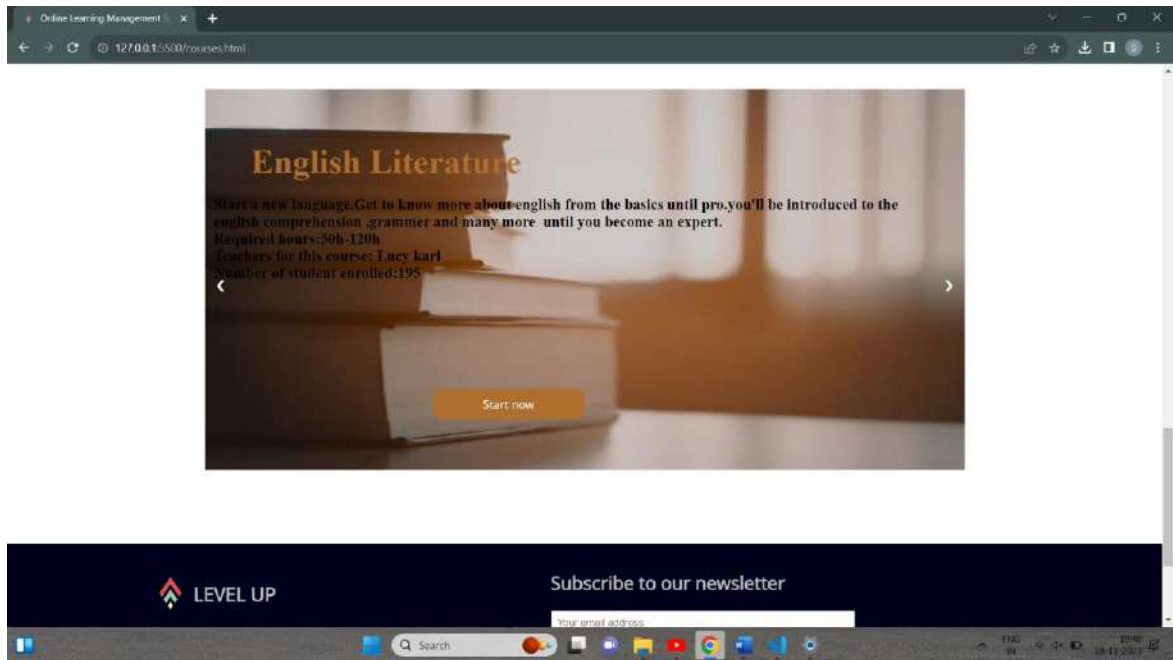
Required hours: 75h-100h  
Teachers for this course: Subastain Williams  
Number of student enrolled: 124

[Start now](#)

**LEVEL UP**

Subscribe to our newsletter

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:5500/courses.html'. The page features a background of architectural drawings with a pencil and a red eraser. The course title 'Architecture' is prominently displayed, followed by a description, required hours, teacher name, and number of students enrolled. A 'Start now' button is located at the bottom right of the course information. Below the course information, there is a dark blue footer with the 'LEVEL UP' logo and a newsletter subscription form.



# Code Snapshot:

```

File Edit Selection View Go Run Terminal Help
index.html X courses.html abcnews.html Signup.Login.html
index.html > @html > @body > @header > @divcontainer > @h1
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5 <title>Online Learning Management System</title>
6 <!-- Specify the character encoding for the html document -->
7 <meta charset="utf-8">
8 <link rel="icon" type="x-icon" href="logo.png">
9 <link rel="stylesheet" href="stylesheet.css">
10
11 <style>
12
13 /*styling active calls for animation*/
14 .reveal {
15   position: relative;
16   transform: translateY(100px);
17   opacity: 0;
18   transition: all 3s ease;
19 }
20
21 .reveal.active {
22   transform: translateY(-20px);
23   opacity: 1;
24 }
25
26 /* styling hero section */
27 .hero {
28   height: 500px;
29   margin: 20px 0;
30 }
31
32 .hero .content {
33   padding: 50px 150px 0 150px;
34   font-family: 'Comic Sans', cursive;
35 }
36
37 .hero .content h1 {
38   font-size: 60px;
39 }
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1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Document</title>
8   <!-- <link rel="stylesheet" type="text/css" href="style.css"> -->
9   <style>
10
11     * {
12       box-sizing: border-box;
13       margin: 0;
14       padding: 0;
15     }
16
17     body {
18       font-family: Arial;
19     }
20
21     .showcase {
22       position: relative;
23       height: 100vh;
24       display: flex;
25       flex-direction: column;
26       align-items: center;
27       justify-content: center;
28       text-align: center;
29       padding: 0 20px;
30     }
31
32     .video-container {
33       position: absolute;
34       top: 0;
35       left: 0;
36       width: 100%;
37       height: 100%;
38       overflow: hidden;
39

```

```

66 width: 100%;
67 padding: 10px 0;
68 font-size: 16px;
69 color: #fff;
70 margin-bottom: 30px;
71 border: none;
72 border-bottom: 1px solid #fff;
73 outline: none;
74 background-color: transparent;
75
76 .login-box .user-box label {
77   position: absolute;
78   top: 0;
79   left: 0;
80   padding: 10px 0;
81   font-size: 16px;
82   color: #fff;
83   pointer-events: none;
84   transition: .5s;
85
86
87 .login-box .user-box input:focus-label,
88 .login-box .user-box input:valid-label {
89   top: -20px;
90   left: 0;
91   color: #03e9f4;
92   font-size: 12px;
93
94
95 .login-box form a {
96   position: relative;
97   display: inline-block;
98   padding: 10px 20px;
99   color: #03e9f4;
100  font-size: 16px;
101  text-decoration: none;

```

## Conclusion:

In conclusion, the development and implementation of an Online Learning Management website present a transformative solution in the realm of education. This platform serves as a dynamic bridge between educators and learners, fostering a conducive environment for effective and flexible learning experiences.

The key advantages of such a system include accessibility, as learners can engage with educational content from anywhere with an internet connection. This not only democratizes education but also accommodates diverse learning styles and schedules. The ability to access resources at one's own pace promotes a self-directed learning approach, allowing individuals to grasp concepts thoroughly before moving on to the next topic.

Additionally, the Online Learning Management website facilitates collaborative learning through various tools such as discussion forums, virtual classrooms, and group projects. This not only enhances the learning experience but also prepares individuals for the collaborative nature of many professional environments.

## References:

- <https://github.com/>
- Youtube.com
- w3schools.com
- OpenAI