

TASK-4

E-Learning Platform UI.

Objective :-

The goal of this task is to design a front-end interface for an E-Learning platform that allows user to

- Browse available courses
- Watch a selected course video
- Track their progress visually.

Concept Overview :-

HTML : Defines the layout and content of the web pages

CSS : provides the visual appearance - colors, spacing, fonts and responsive design.

Script : Add dynamic behaviour - e.g. Progress bar updates, button action.

Multi-page website The project uses separate HTML files linked through navigation.

Responsiveness : The UI adjusts to different screen sizes using flexible containers and layout rules.

Features Implemented

1. Home page (index.html)

- Display a list of courses
- Each course has a title, description, and "View course" button.
- Clicking on a course open its details page.

2. Course Detail page (course.html)

- Embeds a youtube video lecture
- Shows a progress bar to indicate learning progress
- Includes an "Mark as completed" button that increases progress dynamically.

3. Progress Bar :

- Initially 0%.
- Each click on the button increases it by 25% until it reaches 100%.

4. Simple & clean UI :

- Orange header and buttons for visual consistency
- White course cards with shadows to stand out
- Minimalistic and user-friendly layout.

Technologies Used :

- HTML 5
- CSS 3
- JavaScript (ES6)

HTML :-

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title> E-learning platform </title>
<link rel="stylesheet" href="Style.css">
</head>
<body>
<header>
<h1> E-learning platform </h1>
</header>

<Section class="Course-List">
<h2> Available Courses </h2>
<div class="Course-Card">
<h3> Web Development Basics </h3>
<p> Learn HTML, CSS & Java Script from scratch. </p>
<a href="Course.html"> View Course </a>
</div>

<div class="Course-Card">
<h3> Python Programming </h3>
<p> Beginner - friendly Python programming lessons </p>
<a href="Course.html"> View Course </a>
</div>

</Section>
</body>
</html>
```

2. Course.html

HTML

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <title> Course Details </title>
    <link rel="stylesheet" href="style.css">
    <script src="Script.js" defer>
  </head>
  <body>
    <header>
      <h1> Web Development Basics </h1>
    </header>
    <section class="video-section">
      <iframe width="560" height="315"
        src="https://www.youtube.com/embed/g2DgYrrlhU"
        allowfullscreen></iframe>
    </section>
    <section class="progress-box">
      <p> progress </p>
      <div class="progress-bar">
        <div id="progress-fill"> </div>
      </div>
      <button onclick="increaseProgress()">
        Mark as Completed
      </button>
    </section>
  </body>
</html>
```

< | section >

< /body >

< /html >

3. Style.css (styling)

css

body {

font-family: Arial, Sans-serif;
margin: 0;

background: #fff, f2:
}

header {

background: #ff5e42;

padding: 15px;

text-align: center;

color: white;

}

course list {

padding: 20px;

}

course card {

background: white;

padding: 15px;

margin: 10px 0;

border-radius: 8px;

}

course card a {

text-decoration: none;

color: # ff5e42;

font-weight: bold;

y

video-section {

text-align: center;

margin-top: 20px;

y

progress-bar {

width: 300px;

height: 20px;

border-radius: 10px;

background: # ddd;

margin: 10px auto;

y

progress-fill {

height: 100%;

width: 0;

background: # 28a745;

border-radius: 10px;

y

4. Script.js (Program Tracking)

JavaScript

```
let progress = 0;
```

```
function increaseProgress () {  
    if (progress < 100) {  
        progress += 25;  
    }
```

```
document.getElementById ("progress-bar").style.width =  
    progress + "%";
```

```
}
```

```
g
```

Output :-



E-Learning Platform



Home

My Courses

Resources

All Courses

Course 1

Course 2

Course 3

Current Progress

Course Videos

Video 1