WEEK 8: Building a Functional E-Learning Site

TOOLS INTEGRATION & PLATFORM LINKING

E-LEARNING WITH WEB PAGE | AUGUST 9, 2025

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Learning Objectives

- ► Create and connect multiple web pages

- ► Integrate tools like Bootstrap, Google Fonts, or JS plugins

- ► Embed platforms like YouTube, Google Forms, etc.

Website Structure Refresher

► Review from Week 5 flowcharts

► Example layout:

► - index.html → courses.html → lesson1.html → quiz.html → results.html

► How do you link these using HTML?

Website Structure Refresher

► How do you link these using HTML?

  ► **Navigation Bar (using <a> tags)**

```html
<nav>
    <a href="index.html">Home</a>
    <a href="courses.html">Courses</a>
    <a href="lesson1.html">Lesson 1</a>
    <a href="quiz.html">Quiz</a>
    <a href="results.html">Results</a>
</nav>
```

Website Structure Refresher

- ► How do you link these using HTML?

  - ► **Within the Page Content**

```
<a href="lesson1.html" class="btn btn-primary">Start Lesson</a>
```

```
<p>To begin, go to the <a href="quiz.html">Quiz Page</a>.</p>
```

Website Structure Refresher

Tips for Linking

- Make sure all files are in the same folder (or use folders correctly).

- Use relative paths: href="lesson1.html"

- Use target="_blank" if you want the page to open in a new tab.

Tools & Platform Integration

Popular Tools:

- ► Bootstrap, Font Awesome, Google Fonts

- ► jQuery, YouTube embed, GitHub Pages

- ► Which tools have you used before?

Tools & Platform Integration

1. Bootstrap

- ► A CSS framework for building responsive layouts quickly

- ► Comes with ready-made components like navigation bars, cards, modals, etc.

- ► Helps make your site look good on both desktop and mobile without writing much CSS

```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
```

Tools & Platform Integration

2. Font Awesome

► A library of scalable vector icons (e.g., play buttons, books, arrows)

► Used to make buttons and links visually appealing

```
<i class="fas fa-book-reader"></i>
```

Tools & Platform Integration

3. Google Fonts

►   Allows you to use custom fonts directly in your webpage

►   Improves the typography and personality of your design

```
<link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap" rel="stylesheet">
```

Tools & Platform Integration

4. jQuery

► A JavaScript library that simplifies DOM manipulation, AJAX, and animations

► Helpful for beginner-friendly scripting

```
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
```

Tools & Platform Integration

- **5. YouTube Embed**

- Embedding educational videos directly into your lessons

```
<iframe width="560" height="315" src="https://www.youtube.com/embed/VIDEO_ID" allowfullscreen>
```

Tools & Platform Integration

6. GitHub Pages

► A free hosting platform for static websites

► Useful for publishing your site online for testing or demonstration

► Used for: hosting your index.html and linked files publicly

Tools & Platform Integration

► **Which tools have you used before?**

Workshop: Build Your Site

- ► Task: Start building your e-learning site draft

- ► - Create 3–5 linked pages

- ► - Use at least 2 tools