

Web Programming (CSE211), Fall semester 2024\2025

Web Project: G__Y__M

Name & ID: Ziad Rashad Saeed & 222100664

Name & ID: Alhassan Muhammed Abdulmonem & 222100264

Purpose of the Website

The purpose of this website is to promote fitness and healthy lifestyles by providing exercise resources, fitness education, and updates about fitness events. It targets students or fitness enthusiasts, offering features like instructional videos, contact forms for inquiries, and registration options for events or programs, fostering a sense of community and accessibility.

Website Design

[A] Use of Gestalt Web Design Principles

1. Law of PRÄGNANZ (Good Figure/Simplicity):

- The layout uses clean and straightforward design elements, such as a simple navigation bar and a structured page organization, ensuring users can quickly comprehend the content.

2. Closure (Link Individual Elements to Form a Pattern):

- The consistent header and footer on both pages help users perceive the website as a cohesive unit, linking the individual pages into a single experience.

3. Symmetry and Order (Effectively Communicate Information Quickly):

- The navigation menu and central content are evenly distributed, making the structure predictable and information easy to find.

4. Figure/Ground (Positive and Negative Space Relationship):

- The use of white space around sections like "Our Top Exercises" and "About Our Gym" ensures that the focus remains on the primary content, creating a clear distinction between text and background.

5. Uniform Connectedness (Relationship Between Elements):

- The exercise video and description are enclosed in a bordered container, visually connecting the related elements.

6. Common Region (Connection Between Elements):

- The search bar and "Go" button are grouped within a box, signalling their relationship as part of the search functionality.

7. Proximity (Utilizing Empty Space to Create Relationships):

- Related elements, such as the exercise description and the video, are placed close to each other, reducing cognitive load.

8. Continuation (Continuous Perception of Shapes):

- The consistent navigation bar across pages encourages users to perceive a continuous flow as they browse through the website.

9. Common Fate (Synchrony of Changes):

- Elements like the news banner update dynamically, aligning with this principle as changes across pages are synchronized.

10. Parallelism (Relatedness of Parallel Elements):

- The parallel placement of menu items in the header and footer reinforces their relatedness as navigation tools.

11. Similarity (Similar Characteristics Signalling Relatedness):

- Similar font styles, colors, and buttons across pages help users identify related elements and functionalities.

12. Past Experience (Observer's Familiarity):

- The website design aligns with common user expectations, such as a search box in the top-right and navigation links at the top, leveraging users' past experiences with similar websites.

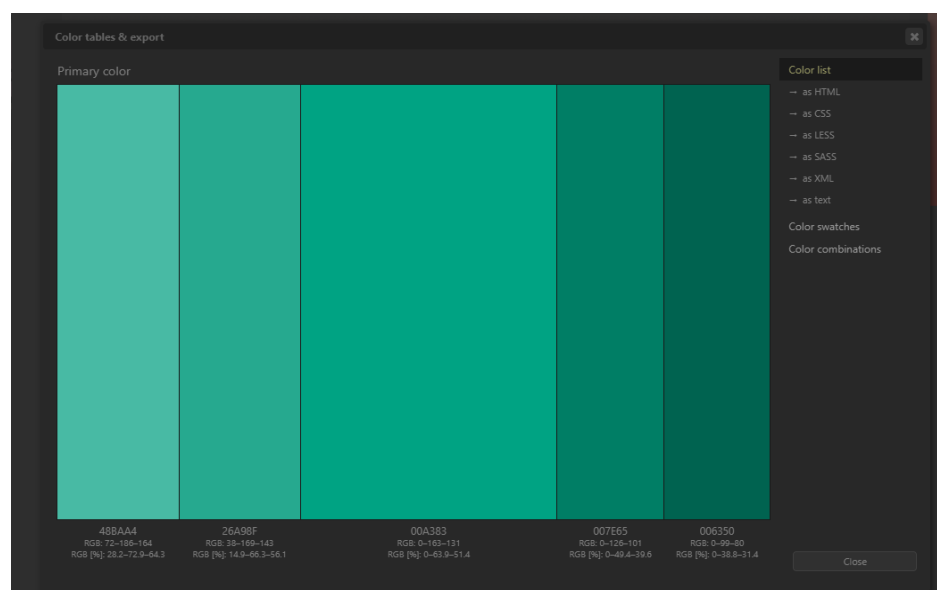
[B] Deployment of Other Design Concepts

1. Screen Resolution:

- The website design appears responsive, meaning it adapts to different screen sizes. For testing, you could simulate resolutions like:
 1. Desktop: 1920x1080
 2. Tablet: 768x1024
 3. Mobile: 375x667

2. Color Palette:

○



3. Minimum Contrast for Accessibility:

○

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground
Hex Value
#0F6151FA
Color Picker
Alpha
0.98
Lightness

Background
Hex Value
#FFFFFF
Color Picker
Lightness

Contrast Ratio
7.04:1
[permalink](#)

Normal Text
WCAG AA: **Pass**
WCAG AAA: **Pass**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Pass**
WCAG AAA: **Pass**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Pass**
★
Text Input

4. Front-End Development Technologies:

- **HTML5**: For semantic structure.
- **CSS3**: For styling and responsive design.
- **JavaScript**: For interactivity, such as form validations or dynamic content.

5. Back-End Development Technologies:

- Implement back-end functionality using PHP with a MySQL database.

6. HTML5 Page Structure for Every Page:

- Home Page
 - <header>
 - <nav>
 - <main>
 - <section>
 - <section>
 - <footer>

- Home

- <header>

- <nav>

- <main>

- <footer>

- About us

- <header>

- <nav>

- <main>

- <section>

- <p>

- <h>

-

-

- <table>

- <footer>

- Contact

- <header>

- <nav>

- <div>

- <footer>

- Registration

- <header>

- <nav>

- <div>

- <footer>

- Grades
 - <header>
 - <nav>
 - <main>
 - <script>
 - <footer>