Group Project (20%)
Responsive Website Development

Due: See your Instructional Plan for exact due dates.

Submit to: The **Group Project** submission folder. Submission folders can be accessed by selecting Course Tools and then Assignments on the course navigation bar.

Description

This project challenges you to refine your website creation skills while emphasizing teamwork and collaboration, reflecting real-world industry practices. By completing this project, you'll demonstrate your ability to create advanced, responsive designs that function effectively and are visually appealing across various devices and browsers. Through this experience, you'll also gain valuable skills in teamwork and collaboration, which are essential for success in professional environments.

Groups

This is a group assignment.

- Professor will assign group members. (approx. 5 members per group)
- Collaborate effectively to distribute tasks and responsibilities.
- Utilize each member's strengths to achieve project goals.
- Communicate regularly and support one another throughout the project duration.

Rationale

This assignment will evaluate the following Course Learning Outcomes:

- **CLO1:** Create well-structured, easy-to-navigate websites that look professional and coherent across a variety of connected devices.
- **CLO2:** Produce a responsive website design that can display content and media appropriately and proportionately at all viewing scales.
- **CLO3:** Create advanced grids and layouts to adapt to a variety of screen sizes and prioritize the content to display.
- **CLO4:** Produce documentation illustrating design goals, milestones, project roles, and hosting requirements to create a clean picture of the project scope.
- **CLO5:** Add design elements to create unique and compelling characteristics to enhance a user's experience.

Directions

Working in a group, collaborate to develop at least a 5-page website that follows the requirements and applies all the knowledge gained throughout the semester.

Requirements

1. **Code & Framework:**

   - Ensure validation of code (html and css)
   - Maintain a single CSS stylesheet for style implementation.

2. **Responsive Design:**

   - Implement either CSS Grid or Flexbox as the framework.
   - Design pages with at least 3 columns wide on desktop view.
   - Incorporate 2 media query breakpoints for responsiveness.

3. **Transitions & Transformations:**

   - Apply at least 1 transition, 1 transformation, and 1 animation **on the homepage** page to enhance interactivity and engagement.

4. **Fluid Typography:**

   - Implement fluid typography, allowing fonts to resize based on viewport width without the use of media queries.

5. **Design:**

   - Develop an appealing, modern design with a consistent color scheme across all pages, relevant to the chosen topic.
   - Use proper H1 and H2 titles, while generating placeholder text (e.g., Lorem Ipsum) for the remaining content.
   - Populate one page with an appropriate amount of content without repeating content.

6. **Images:**

   - Select images that align with the website's topic.
   - Ensure images maintain consistency in size and are not stretched or distorted.
   - Optimize images for mobile-friendly and responsive viewing.

7. **Documentation:**

  - Produce documentation illustrating design goals, milestones, project roles, and hosting requirements to create a clear picture of the project scope.
  - Document the objectives and purpose of the website.
  - Outline milestones and deadlines for different stages of the project.
  - Define roles and responsibilities within the team, specifying who is responsible for each aspect of the project.
  - Detail any requirements for hosting the website, including server specifications and deployment procedures.

Submission Guidelines

- Name your file with your group number, like 'Group1.zip', and include all website files and documentation.

How Your Assignment Will be Graded

A rubric has been created and can be found attached to the submission folder. Submission folders can be accessed by selecting Course Tools and then Assignments on the course navigation bar.

Refer to the Program Handbook for the late policy.

Use of any form of generative artificial intelligence (genAI) is strictly forbidden throughout all stages of this assessment, including brainstorming, idea generation, outline formation, etc.

GenAI may include (but is not limited to) chatbots, coding and image/art generating tools, or other technologies that produce work for you. Using genAI in any capacity throughout the assessment process will be in violation of Conestoga's Academic Offences policy under the category of Unauthorized Aids and Assistance (Cheating) or Copying from Others or Self Copying. The consequence of this violation is that an academic offence will be filed, with the severity of the penalty dependent on previous offences. In cases where you are unsure if something is considered genAI, always ask your professor before using.

NOTE: Grammarly is permitted as an assistance technology for proofreading.

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