PROG8540

Web Foundations

Project - 20%

ASSIGNMENT:

This assignment will allow you to experience what it is like to develop a complete website from scratch. To do this you will create a fan site of one your favourite subjects; this can be a Movie, TV show, Book, Band, Video Game, or anything that you have a great interest in. You can also create a portfolio website of your own, but make sure you have enough content for it and the contents must make sense.
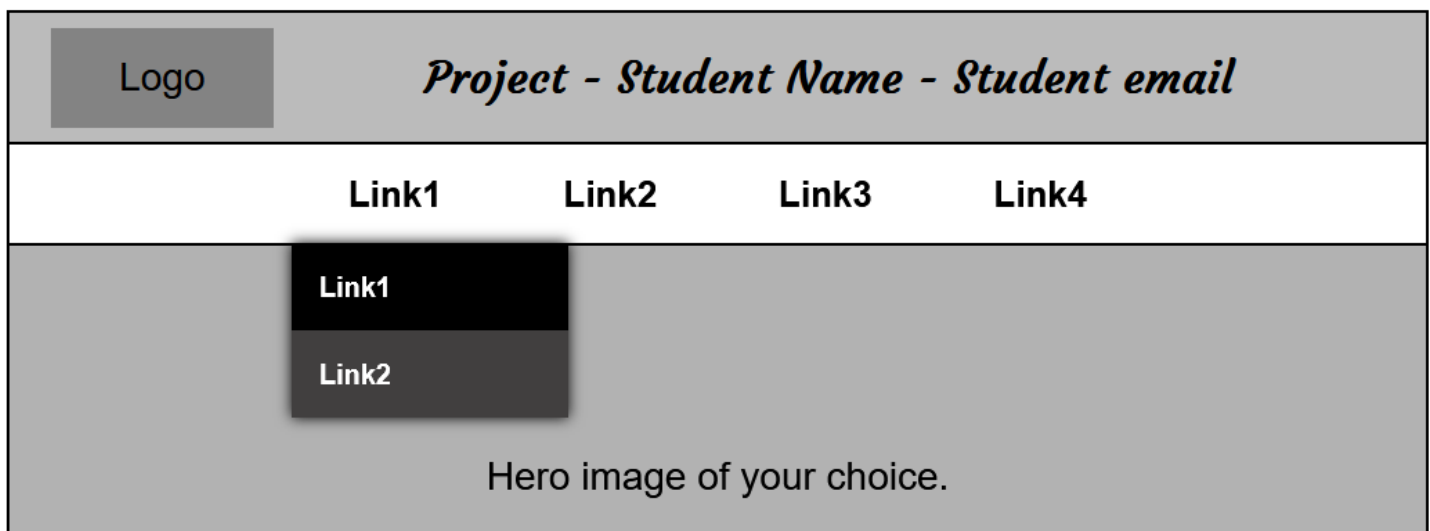
You can download all the images you need from **https://www.pexels.com/** as per your liking. Here is a nice tool to generate a colour palette: **https://coolors.co/generate**

Note: You may not use any images or content that we use for the exercises in our class or you may have used in your previous in class tasks or assignments in any course. Such a section on your website will be marked zero.

Instructions on specific requirements are as follows;

General Instructions

1. Build a template using the design pattern as illustrated in the wireframes given.
2. Use well-formed HTML5 and CSS3 structure including use of semantic elements.
3. Keep in mind AODA considerations when developing your template.
4. Use a logical folder structure to organize your site;
   a. styles
   b. images
   c. media
   d. any other items
5. The template will contain at a minimum a two tier navigation bar that will be the same on all pages. One of these top tier menu items will have a sub menu. All links in navigation must go to a certain page in your website.

6. Each page is to use the same favicon and should have a unique title throughout the site defined in the head tag in the template.
7. Each page is to have a header. This will also be consistent throughout this site as defined in the template.
8. Each page is to have a footer. This will also be consistent throughout this site as defined in the template.
9. Basic CSS:
    a. Each page is to have consistent colour scheme throughout, defined in the CSS file.
    b. Each page is to have consistent font styling on each page defined in the CSS file.
    c. Use various CSS controls such as hover, focus, etc. to control the appearance of the links on the pages so that the links are identifiable via colouration when being manipulated.
    d. **Use grids or flex boxes only, to structure the page. Use of floats is not allowed anywhere.**
10. **Add your name/student number in comments at the top of all the HTML pages and CSS files.**
11. The completed Assignment will be in a Zipped folder and submitted to the appropriate folder in D2L.
    a. The zip file should be named <your-first-name>-<your-last-name>-a2.zip, for example Steve Sutherland's assignment would be named steve-sutherland-a2.zip.
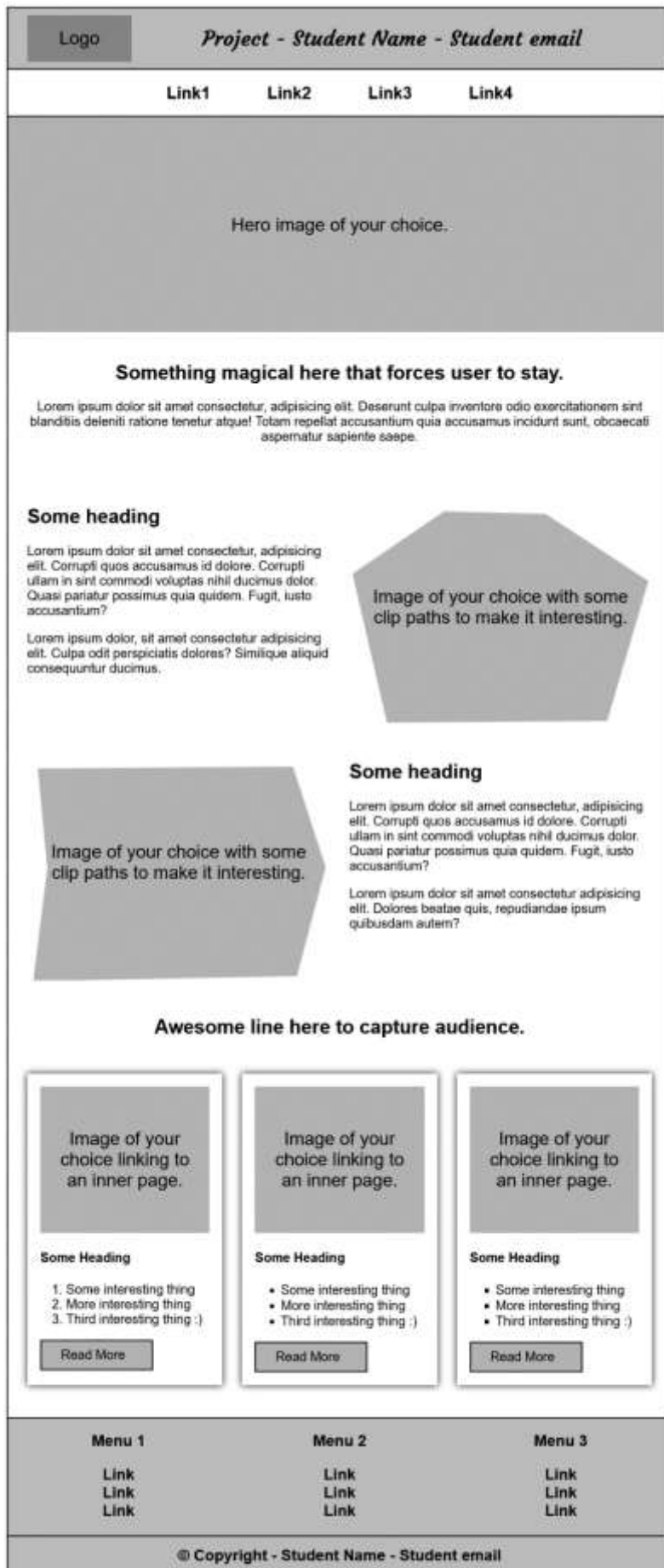
Important: (See Below) You should have your home/landing page following home page layout and one page following inner page layout. All the other pages can have any content you want (You can keep it to minimal but it must go well with your website design and structure)

Home Page (index.html) - This will be based off your Template.

1. Page will be built as per the design provided below.
2. The page should sit in a container and the container should be centered in the browser.
3. The header section should have a logo and a tagline side by side. You can choose to have the logo on the right or left side of the tagline. The tagline should contain your name and email. The logo should link to the home page. Here is a nice tool you can use to generate a logo for your website: https://hatchful.shopify.com/onboarding/pick-space
4. The header should be in a different colour than the rest of the site.
5. After the header, there should be the two tier navigation. Properly link the home page and the inner page in the top navigation.
   The sub menu links should be under the inner page link and should link to different sections on the inner page using "id" attribute. **Eg:** Video to link to the video section on the inner page, Table to link to the table section on the inner page. This means that if the user clicks on the Table sub menu item, it should take the user to the table section on the inner page.
6. After the navigation, add a hero image.
7. After the hero image, add a section with a heading and a paragraph that goes full width of the page.
8. Then add two sections with text on one side and image on the other. The images should have some interesting shapes using clip paths in CSS.
9. Then create a section with three cards. Add a heading for the cards section.
10. Each card should have an image linked to the inner page, a heading, a list and an anchor tag designed as a button linked to the inner page. Add some shadow to each card.
11. The footer should have two sections, one with a menu section and one with copyright info.
12. The menu section of the footer should have three columns such that each column has some links under it.
13. The copyright info section of the footer should have your name and email along with a copyright symbol.

Note: Check the next page for the home page design.

Project - Student Name - Student email

Link1   Link2   Link3   Link4

Hero image of your choice.

Something magical here that forces user to stay.

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Deserunt culpa inventore odio exercitationem sint blanditiis deleniti ratione tenetur atque! Totam repellat accusantium quia accusamus incidunt sunt, obcaecati aspernatur sapiente saepe.

Some heading

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Corrupti quos accusamus id dolore. Corrupti ullam in sint commodi voluptas nihil ducimus dolor. Quasi pariatur possimus quia quidem. Fugit, iusto accusantium?

Lorem ipsum dolor, sit amet consectetur adipisicing elit. Culpa odit perspiciatis dolores? Similique aliquid consequuntur ducimus.

Image of your choice with some clip paths to make it interesting.

Image of your choice with some clip paths to make it interesting.

Some heading

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Corrupti quos accusamus id dolore. Corrupti ullam in sint commodi voluptas nihil ducimus dolor. Quasi pariatur possimus quia quidem. Fugit, iusto accusantium?

Lorem ipsum dolor sit amet consectetur adipisicing elit. Dolores beatae quis, repudiandae ipsum quibusdam autem?

Awesome line here to capture audience.

Image of your choice linking to an inner page.	Image of your choice linking to an inner page.	Image of your choice linking to an inner page.
Some Heading	**Some Heading**	**Some Heading**
1. Some interesting thing 2. More interesting thing 3. Third interesting thing :)	• Some interesting thing • More interesting thing • Third interesting thing :)	• Some interesting thing • More interesting thing • Third interesting thing :)
Read More	Read More	Read More

Menu 1	Menu 2	Menu 3
Link Link Link	Link Link Link	Link Link Link

Home Page

Design

Inner page (inner.html)

1. Page will be built using the provided general instructions and the template instructions for the home page in mind.
2. The other requirements specific to the inner page as per the design are below.
3. The inner page will share the same header, navigation and footer as the home page.
4. After the navigation, build a hero section that has the inner page title in a heading tag over an image.
5. After the hero section, build a section with text and video side by side. The text should have a heading and a few paragraphs as needed. The video should have all the controls like play/pause/volume etc. Also, include a poster with the video.
6. Then create a section with a table. This should have a heading and an accessible table. The table should be relevant to the site you are building. An example would be if the site was a tribute to a hockey player, the table would contain statistics for the hockey player's past several seasons such as year, goals, assists, penalties, games played etc. Make sure to provide the reference for the table data.
7. After the table section, create a form section. This should have a heading followed by a form with the following minimum requirements:
   a. Two text input fields with labels, one for a name and one for an email address
   b. A dropdown list with at least two option groups and three options in each
   c. A Text Area input field
   d. One question with at least 3 checkboxes for input.
   e. One question with at least 2 radio buttons for input
   f. Reset Button
   g. Submit Button
   h. Make sure that the design of the form is user friendly and there are appropriate labels associated properly with their respective input fields.

Hints:

1. Build the HTML template first that will have all navigation items, header, footer, main , etc. built correctly. Be sure to use HTML5 semantic elements and standards to do this.
2. Build the CSS file for this template. Be sure to use CSS3 standards to do this.
3. Create a second page from that template and ensure all navigation items work correctly.

Note: Check the next page for the inner page design.

Link1   Link2   Link3   Link4

Inner page title over an image

Some heading

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Corrupti quos accusamus id dolore. Corrupti ullam in sint commodi voluptas nihil ducimus dolor. Quasi pariatur possimus quia quidem. Fugit, iusto accusantium?

Lorem ipsum dolor, sit amet consectetur adipisicing elit. Culpa odit perspiciatis dolores? Similique aliquid consequuntur ducimus.

Video with all the video controls like play/pause, etc.

Accessible table below with some data.

Col Head	Col Head	Col Head	Col Head
Data	Data	Data	Data
Data	Data	Data	Data
Data	Data	Data	Data

Interesting line here to ask user to fill the form.

This section will have a form with the following:

- Two text input fields with labels, one for a name and one for an email address
- A dropdown list with at least two option groups and three options in each
- A Text Area input field
- One question with at least 3 checkboxes for input.
- One question with at least 2 radio buttons for input
- Reset Button
- Submit Button

Make sure that the design of the form is user friendly and there are appropriate labels associated properly with their respective input fields.

Menu 1	Menu 2	Menu 3
Link	Link	Link
Link	Link	Link
Link	Link	Link

Inner Page

Design

CSS Requirements

1. There should be appropriate space between different elements, so set the margins, paddings, gaps such that different elements are at least 30 pixels away from other elements. This enhances the overall design and readability of the page.
2. Adjust the CSS to use your own colour scheme/design elements as you see fit.
3. Use borders, background images, background colours and box shadows where appropriate in your design.
4. The header and footer backgrounds should be different than the rest of the site.
5. Adjust the CSS to use your own font scheme (size, weight, colour, font family).
6. Make sure all the foreground and background colours follow WCAG 2.0 AA or higher standards. An easy way to do this is to use the Contract Checker tool here https://webaim.org/resources/contrastchecker/

RUBRICS: Total 40 Marks.

1. General Instructions   **- 13 marks**

2. Home Page   **- 10 marks**

3. Inner Page   **- 10 marks**

4. CSS Requirements   **- 5 marks**

5. Looks and Structure (No broken links, website is visually appealing, no unusual behavior)   **- 2 marks**

SUBMISSION:

This is an individual assignment – no two submissions should be identical in content, appearance, values, etc.
Your completed submission package all in one large zip file should include the following:

- Your file should be named as follows <your-first-name>-<your-last-name>-a2.zip where first and last are your first and last name. For example, Steve Sutherland's submission should be named as steve_sutherland-a2.zip
- A title page (noting **assignment number**, **your name** and **student ID** and date of submission)
- Your completed website should include the entire solution including all relevant files.
- Bibliography of sources where you obtained material (i.e. images) and knowledge to support your answers; this should be in approved Conestoga APA format and should be referenced via comments in your HTML and CSS files.
- **Submit your zipped file to the appropriate dropbox folder on eConestoga.**