The University of Saskatchewan

Saskatoon, Canada

Department of Computer Science

CMPT 281– Website Design and Development

Assignment 4

Final Project Implementation

Date Due: December 5, 2024, 11:59pm

Total Marks: 75

General Instructions

- Assignments must be submitted using Canvas.
- The assignment should be submitted in a single `.zip` file, including all required files (see submission requirements below)

Project Overview

For the project, you will be iteratively designing (Assignment 3) and developing (Assignment 4) a website for one of three (fake) businesses. This made up company wants you to create a modern, functional website shell for their company. The client wants the following:

- A home page that displays a slideshow of images (also called a carousel)
- A "Contact Us" form, with JavaScript that submits
- A page that lists their services
- An "About Us" page for the team
- A page to submit appointment/order requests
- A clutter free design
- A design that is easy to navigate
- A design that appeals to a broad range of people

For your project, you are free to choose between three different types of businesses - each business will have a similar structure, but the aesthetic, style, and colour choice will be vastly different between the three options:

1. A doctor's office
2. A piercing/tattoo shop
3. A cupcake/bakery shop

Note: The above requirements are not the only things that your design should include. Assignment 3 requires that you examine websites from other companies similar to the website you are designing. You should determine what some other common features are, and incorporate them into your design.

Question 1 (75 points):

The core goal here is to implement the website described in the brief, and designed through Assignment 3 (design journal).

You can (and likely should) change or improve your design based on what was submitted for Assignment 3.

You can use any web technologies at your disposal to develop your website, as long as you can submit the files and have them run in a local web browser without the installation of any third party software. This will mean that you can't rely on server side code such as .php (though really, it shouldn't be necessary for a website of this scope).

The functionality and usability of the website is extremely important, and will represent the largest percentage of your grade. **Your website will be assessed through a heuristic analysis**.

Heuristic analysis, also called heuristic evaluation, includes an analysis of 10 general design principles:

1. Visibility of system status
2. Match between system and the real world
3. User control and freedom
4. Consistency and standards
5. Error prevention
6. Recognition rather than recall
7. Flexibility and efficiency of use
8. Aesthetic and minimalist design
9. Help users recognize, diagnose, and recover from errors
10. Help and documentation

You will also be assessed on the degree to which you meet the project's requirements.

Grading

10 marks : Use of layout design principles discussed in class (i.e., C.R.A.P)
10 marks : Overall usability, evaluated through a heuristic evaluation
10 marks : Use of colour, application of colour schemes/palettes, colour psychology
30 marks : Overall alignment with client's requirements
5 marks : Aesthetic and design choices align with the type of business chosen (e.g., it 'feels' like a website for a cupcake shop)
10 marks : Organization of files, coding best practices, use of comments, etc.

Files Provided

There are no files provided for this assignment.

What to Hand In

You should submit a .zip file of all of your relevant files.

If the images in your design make the file too large, you should upload a .zip file containing your submission to a cloud service such as OneDrive, Google Drive, or DropBox and include a link to these files as part of your submission on Canvas. Please ensure that your submission is accessible to anyone with the link. If you share a private link that is inaccessible to graders, it may not be marked.

Grading Rubric

The grading rubric can be found on Canvas.