INFO2180 - Project 1 (30 Marks)

Due Date: Saturday, November 4, 2023

Based on your previous experience in your Labs and what you have learnt in your Lectures, you are required to create a Landing Page for INFO2180 Labs' new Healthy Lifestyle website using Hypertext Markup Language (HTML), Cascading Stylesheets (CSS) and JavaScript.

NOTE: This is NOT a group project. It is to be worked on and submitted individually.

The starter code for this assignment can be downloaded from the following URL: https://github.com/uwi-info2180/info2180-project1-starter/archive/refs/heads/master.zip .

Using a text editor such as SublimeText, Atom, VS Code, Vim or similar, you have been given an HTML document called `index.html`, a CSS file called `styles.css` and a JavaScript file called `scripts.js`. The initial page will look like Figure 1 when you first view it in your Web browser. You will then need to write the necessary CSS code to make your website match the design of the finished website to look similar to Figure 2.

INFO2180 Project 1

- About
- Research
- Stories
- Partners
- Contact

Live your healthiest life now!

At INFO2180 Labs we're committed to improving the lives of as many people as possible. One of the most important areas in which we're striving to do that is health.

Learn About

Artificial Intelligence

Learn how our innovations in machine learning are making a positive impact on healthcare.

Fitness+ Tracker

Fitness+ is our new, engaging and personalized fitness tracking app experience designed to help you stay in shape and feel great.

Healthy Lifestyle

Being healthy should be part of your overall lifestyle. Living a healthy lifestyle can help prevent chronic diseases and long-term illnesses.Take control of your life with these 5 simple steps.

COVID-19 Testing Programme

Providing secure and connected COVID-19 screening and testing services to communities in collaboration with public health agencies and industry partners.

Learn More

Recent Stories

Dr. Christopher Turk has spent his entire career caring for people's health and wellbeing.

After years in the healthcare system, Dr. Christopher Turk is bringing together groups of people across the world to take on big healthcare challenges through groundbreaking research and developing tools that support better care.

Read His Story

INFO2180 Labs collaborates with the Ministry of Health and Ministry of Education on COVID-19 Risk Screening and Testing

INFO2180 Labs, in collaboration with the Ministry of Health and Wellness and Ministry of Education, will launch a pilot project intended to expand access to COVID-19 risk screening and testing for high risk individuals in the parishes of Kingston and St. Andrew.

Read this Story

Sign up for our newsletter

Learn more about the latest developments from INFO2180 Labs' health-related research and initiatives.

Enter your email
Subscribe

Copyright 2020, Your Name

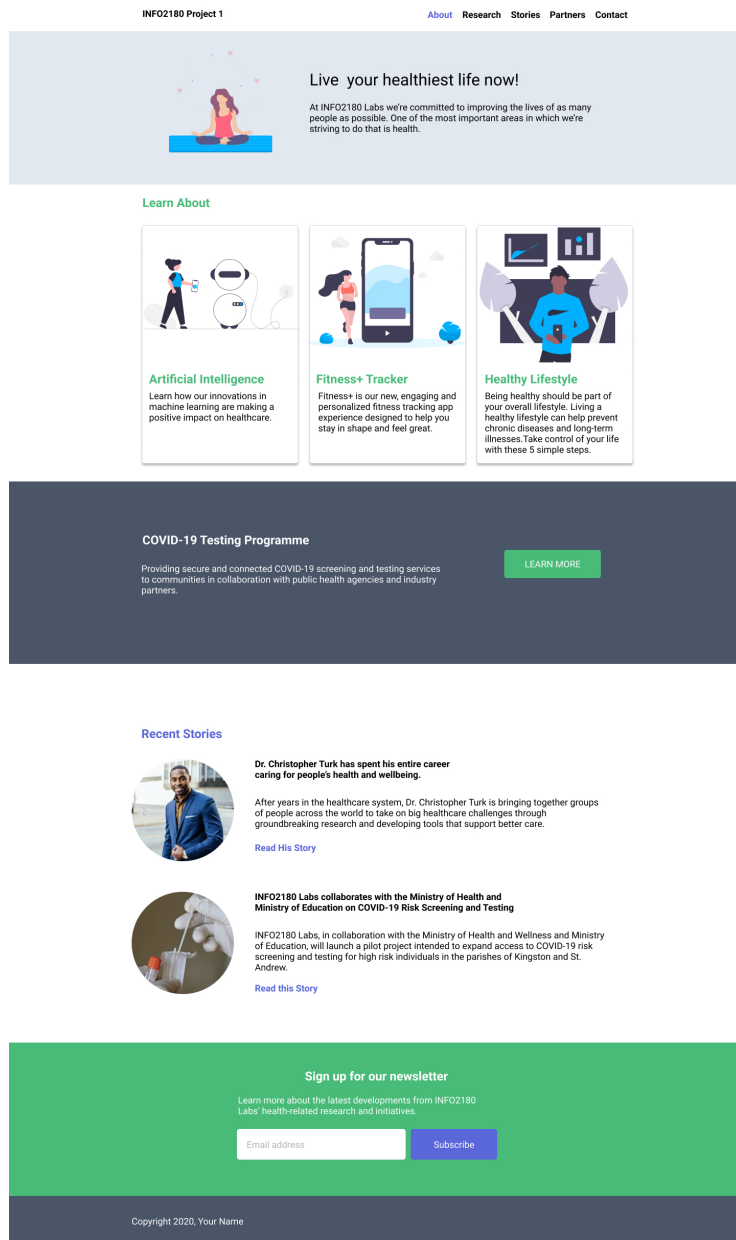# FIGURE 1. SCREENSHOT OF INITIAL WEBSITE BEFORE YOU ADD YOUR STYLES.
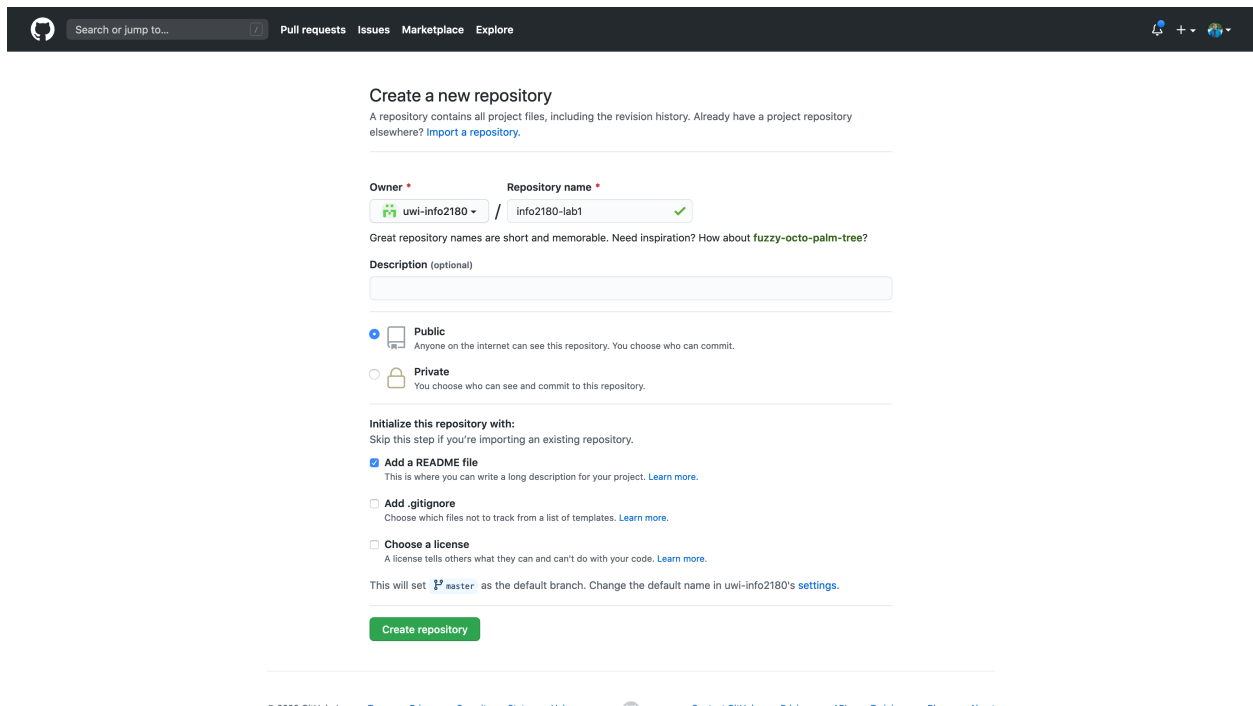
FIGURE 2. SCREENSHOT OF FINISHED WEBSITE.

Lastly, you will add a bit of JavaScript to give the newsletter subscription a bit of interactivity to simulate a form submission when the Subscribe button is clicked.

If you need any free images or illustrations to use for this or any other lab you can look for some at https://www.drawkit.io/, https://undraw.co/ or https://unsplash.com/.

Create your Repository

You are required to create a Git repository on Github called `**info2180-project1**` and after each exercise commit your code and push to Github. So let us start by creating that repository.

1. You can create a new Github repository by going to https://github.com/new or by clicking the **"+"** icon in the top right once you are logged into the website and select **"New Repository"**.
2. For this project, use the repository name as **info2180-project1**.
3. Ensure that your repository is Public and that you select the option to initialize the project with a **README** file.
4. The remaining options can be left at their defaults. Then click on **Create Repository**.

5. On your newly created repository, click on the "Code" button and copy the URL in the box that appears.
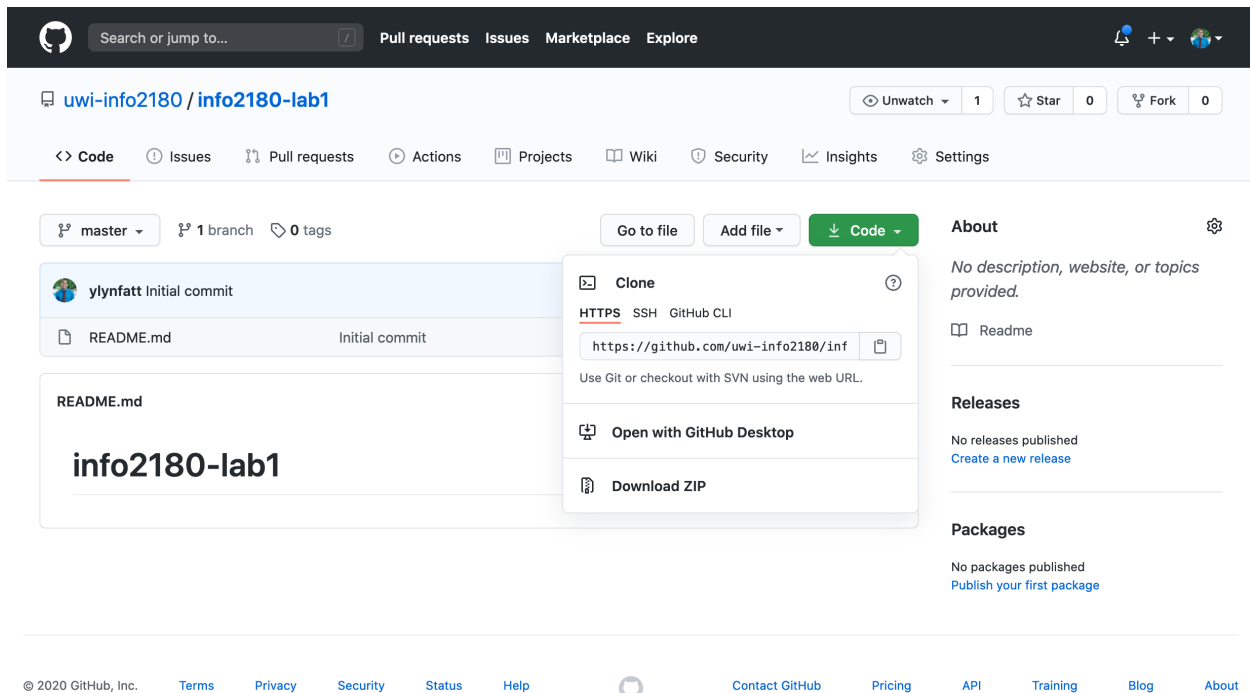
6. Open your command prompt, navigate to the folder (e.g. using the `**cd**` command) where you would like to clone your repository and using the URL you copied in step 5, type the following:

```
git clone https://github.com/<your-username>/info2180-project1.git
```

NOTE: Ensure you change the URL and use the one that you copied in Step 5 with your username.

7. Then navigate to your newly cloned repository by typing:

```
cd info2180-project1
```

8. You can then type the command **ls** and you should see a `**README.md**` file.
9. In the file add:

Info2180 Project 1

This is Project 1 for <Your Name>

Of course, change `**<Your Name>**` to your actual name.

10. Save the file and then at the command line (or Windows Powershell), type:

git add README.md
git status

You should then see that the file has been staged.

11. Commit these changes to your local Git repository:

git commit -m "Edited README.md"

12. Check the status of your Git repository:

git status

It should now mention that there is nothing new to commit and that the working tree is clean.

13. Great! Now we should push this information to GitHub.

git push

Note: It may ask you to enter your Github username and password. Enter it and then press enter. If all goes well you can then view your Github repository on the

14.To see the history of the commits you can run the following command:

`git log`

15.Next, Create a new branch called `landing-page-implementation`.

`git checkout -b landing-page-implementation`

16.Now download the starter files (if you have not already done so) for the lab at the following URL: https://github.com/uwi-info2180/info2180-project1-starter/archive/refs/heads/master.zip

17.Unzip and copy the starter files (`index.html`, `styles.css` and `scripts.js`) from the link above into your `info2180-project1` folder that you cloned in Step 6 and do an initial commit.

`git add .`
`git commit -m "Added initial starter files"`

18.Ensure you push your new branch to Github. If you get an error about that the current branch does not have an upstream branch, you may need to run the following command:

`git push --set-upstream origin landing-page-implementation`

19.Now begin your implementation by following the Page Layout and Colours and Fonts Guides.

Tip

Try to do frequent Git commits and push your code to Github regularly.

Landing Page Layout Guide

1. You are given some starter code. You are only allowed to edit the `index.html` file to add the images of your choice and to update your name in the Footer. Other than that, you should **NOT** modify the HTML.
2. For the `header` of the landing page, the heading "**Info2180 Project 1**" should be to the left and the list of navigation links should be to the right layed out horizontally **without** any bullet points.
3. The Hero Overview section (ie. the section with "Live your Healthiest Life Now") should be layed out with the image to the left and the text to the right.
4. For the "Learn About" section, it should be layed out using CSS Grid into 3 columns. Each Card should have an image with a heading and card body text below it.
5. For the "COVID-19 Testing Programme" section, the "Learn more" button should be to the right, while the heading and paragraph should be to the left.
6. The "Recent Stories" section should be styled to have the image to the left and the heading, article body and link should be beside it.
7. The contents of the "Newsletter" section should be centered. The input field and the Subscribe button should be side-by-side.
8. Ensure you set appropriate `margin`/`padding` values to your design to give the content some room to breathe. ie. Give some space between sections, images, etc...

Colours and Fonts

1. The default font family for the landing page should be `-apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, "Helvetica Neue", Arial, "Noto Sans", sans-serif` and the default font size should be `18px`.
2. The `header` should have a background colour of `white`. And the font size for the text (ie. heading and links) should be `18px`;

3. The navigation links should have a color of `#6b7280` but when you hover over the links the colour should change to `#5A67D8`. **Hint:** Try using `:hover` pseudo selector.
4. For the Hero Overview section (ie. the section with "Live your Healthiest Life Now"), the background colour should be `#E2E8F0`.
5. The `h2` heading in the "Learn About" section should have a text size of `24px` and have the colour `#48BB78`.
6. The cards in the "Learn About" section should have a border colour of `#E2E8F0` and the corners should be rounded by `5px` using the appropriate property. The cards should also have slight shadow. **Hint:** Try using the `box-shadow` CSS property.
7. The `h3` headings in the card grid for the "Learn About" section should have the colour `#48BB78` and be a font size of `21px`.
8. For the COVID-19 Testing section, the background colour should be `#4A5568` and the text colour should be `white`. The link to "Learn More" should have a background colour of `#48BB78` and rounded corners of `5px`.
9. For the Recent Stories section, the "Recent Stories" main heading and the links to "Read this Story" should have the colour `#5A67D8`. The title for each story should be `18px` in size.
10. Also in that "Recent Stories" section, the images should be made to be circular using the appropriate `border-radius` property and value.
11. For the Newsletter section, the background should have the colour `#48BB78` and the text colour should be white. The "Subscribe" button should have a background colour of `#5A67D8`.
12. Lastly, the Footer section should have a background colour of `#4A5568` and the color of the text should be `white`.

A Sprinkle of JavaScript

For the Newsletter Subscription, you are required to write some JavaScript code so that when the form is submitted, you will need to get the email address that the user entered into the input field and display a message to say **"Thank you! Your email address `<example@address.com>` has been added to our mailing list!"** in the `div` with the class `message` that is already in your `index.html` file.

Also if no email address is entered in the input field and the form is submitted, it should display the message **"Please enter a valid email address."** in the same message area replacing any previous message.

Reminder
Remember to merge your `landing-page-implementation` branch into your `main`/`master` branch and `push` to Github before submitting.

Submission

Submit this lab via the VLE using the "**Project 1**" Submission link. The following information must be submitted:

Locate your Github repository URL and Copy the URL. It should be in the format https://www.github.com/your-user-name/info2180-project1. For example, if your username is johndoe, then the URL you will need to submit is https://www.github.com/johndoe/info2180-project1 .