

WEB 1400 Fall 2020

Website Project Instructions

The WEB 1400 project requires that you create a three-page website that will be published on the internet. The project will be divided into the three parts. Each part is a separate assignment with different due dates. See the Canvas assignment window for the due dates for the three assignments.

Part 1: Plan the layout and design of your website and create a mockup of each page using the online Figma interface design tool.

Part 2: Code the home page of your project

Part 3: Code one content page and the donation page of the website. Publish the website to the Computer Science Icarus server.

Overview of Project

To start this project, watch the instructor's video which explains the project requirements. You will create a website for a zoo. The zoo's animals, attractions, donation opportunities, About Us facts, and other topics will be featured in the website.

The content for the zoo website project is provided for you in a separate Zoo Website Content.pdf file. However, you will need to collect the images and icons for the website using Creative Common images. The following websites offer Creative Common images of animals and zoos:

<https://pixabay.com> <https://pexels.com>

<https://unsplash.com>

<https://www.pinterest.com/blooloop/zoo-animal-images/?lp=true>

<https://www.flickr.com> filter search by photo license type

<https://animalphotos.info/a/>

<https://www.freepik.com> search for photos, not vectors

The Zoo Website Content file includes the required content for the Home page and Donations page. Information is also provided for three Content Pages. You should select one of the content pages to include in your website project.

Requirements:

The project website will include the following pages:

- index (home) page with multiple sections featuring the animals, services, testimonials, and contact information
- one content page (about us, events, or meet the birds)
- donations page which includes a comparison of the three membership plans, a donation form, plus information on other ways to donate

Within the three pages of your website, you need to incorporate the following:

- header and navigation repeated on each page.
- body including the main element, sections, divs, and at least one article and aside element
- UI elements: hyperlinks, buttons, and Font Awesome icons.
- vertical bulleted or enumerated list styled with proper horizontal and vertical spacing
- single- and multi-column layouts set up using Flexbox CSS properties
- footer repeated on each page which includes Font Awesome social media icons and contact information.

CSS Stylesheet

Set up a CSS stylesheet in which the style rules are organized under headings. Include style rules relating to layout, height/width, margins/padding, color, heading and paragraph formatting, etc. Be sure to include a link to the stylesheet within the <head> tag of each page.

You will need to choose a color scheme and google web fonts for the website. Then you should plan the layout of each page. Use the 12-column grid system to align and position images, text, and other objects.

Make Your Website Responsive

Your website will need to be made responsive using Flexbox css style rules and media queries. You will design a desktop version and a mobile phone version. For the website to be responsive the column widths as well as the text and images should adjust in size for mobile devices. In addition, objects may need repositioned and layouts will need changed to one column for mobile devices.

You are expected to do the following to make your website responsive:

- add the viewport meta tag inside the <head> element on each page of the website
- use flexbox css style rules to set up the page layouts
- use relative CSS property values such as ems/rem, viewport height/width and percents
- set up media queries for a maximum breaking point device width of 768px

Project Evaluation Report:

After completing your project you should write a report that has content organized under the following five headings:

What I Learned

What I Am Most Proud Of

What I Would Improve with More Time.

Explanation of Design Decisions (Color, Fonts, Layouts, etc)