Name:

Web Development I Final Project

The Web Development I final project will require students to take the existing Project 7 About Me web page and add their own additional content and styling.

Delivery will be a GitHub repository assigned through the GitHub classroom invitation (https://classroom.GitHub.com/a/TOz0VlA8). The repo will be public and have the GitHub pages source set to master so that the page can be viewed by others.

The following list includes the features required as part of the delivery.

1. GitHub repository
   a. A README.md file written by the student. The file will present a professional description of the project with a list of features, and a section at the end listing all attributions required to honor copyright licenses.
   b. Design documents in a folder named `design`.
   c. All other files shall be located in correct folders.
   d. A download of the repo provides all files to view the web page without error.
   e. * The student can earn extra credit by including a Bootstrap version of the web page in a GitHub branch named `bootstrap`.
2. Content
   a. Header displaying a logo and page title. The header will be styled with the web's theme as defined by the student's Web Design Assets Inventory.
   b. Navbar with responsive single page navigation using a <nav> element with links to parts of the page. A new navbar list item will be added to link to the new article that will also be included.

c. Profile section including a profile photo and a bio. The profile picture will be styled. The bio section from Project 1 will be rewritten and styled.

d. Photo gallery including a minimum of 3 photos.

   * The student can earn extra credit by adding an additional 3 photos, or more, and creating a responsive layout.

   * The student can earn extra credit by giving the gallery CSS special effects.

e. Article (story) as introduced in Project 5. The article will have a drop cap on the first letter of its first paragraph.

f. Additional article (blog) discussing an advanced CSS technique the student has chosen to feature and demonstrate. This blog article must have a minimum approximately 200 words and at least one visual element for demonstration. A more complete description of the topics for this new content will follow.

g. Contact form as introduced in Project 5. Using CSS styling along with transform and transition effects, the submit button will show additional behavior when a mouse hovers over it and when it is clicked.

h. Footer will have a copyright notice and at least one social icon link to the student's GitHub account. Other linked social icons can also be added.
The student can use icons from Fontawesome or icons from a different source.

i. The student will be allowed to add third-party imagery as long as they obtain and understand the copyright license. For all sources, the student will list the attribution to honor copyright.

3. Styling

   a. Typography. The web theme will contain a paired set of typefaces. There will be a font family for the display type which will be paired with a font family for the body type. The theme will include at least 2 different weights and italic style. See Web Design Assets.

   b. Color - The web theme will include colors. The color scheme will include the hex codes and RGB values for the colors. Grayscale color values will be included,

especially as it relates to typography. Contrast ratios will be noted in the inventory. Background colors can be gradients. See Web Design Assets inventory.

    c. Logo - The student will replace the Blue Origami Bird with a logo of the student's choosing. The logo must be delivered both as an svg file and as a png file for the favicon. The student must have copyright permission to use the logo and will give attribution in the README.md file in the repo, and, if required by the copyright, in the page footer.

    * The student can earn extra credit with an original design for the logo.

    d. Layout - The final web page will implement Responsive Web Design with a fluid layout, flexible images, and media queries.

    e. Pseudo Class. The student will modify the Submit Button to have some interactive behavior during the hover and click states. When a mouse hovers over the button and when it is clicked, some styling (color, border, size, font, etc) should change making the button more interactive.

    f. Drop cap on the first letter of the first paragraph of the story article. The student will research and implement CSS code to create a distinctive drop cap that matches the overall tone of the web page's theme.

4. Asset Inventory. The student will fill out the below Web Design Assets Inventory. The due date for the inventory will be approximately 1 week before the final project is due.

    * The student can earn extra credit by also delivering visual design documents.

    * One design document is the mood board which is a visual representation of the design assets. The mood board can be created in either Adobe Photoshop or Adobe XD.

    * Another design document is an RWD prototype using Adobe XD showing the mobile, tablet, and widescreen design and layout of the web page.

5. Code. All HTML and CSS code will pass validation and be beautified.

Blog Article Topics

The student will choose **one** topic from the below list of advanced CSS techniques to write a short blog article. The student will research the topic, write a short description, and create visual example(s) of it in the blog article. The type of visual example(s) will be dictated by the topic.

1. Background image properties: repeat, position, size, and position.
2. CSS Sprites
3. Variable Fonts
4. CSS Custom Properties
5. CSS Animation
6. Stacking with z-index
7. CSS Gradients
8. CSS Filters
9. Scalable Vector Graphics (SVG)
10. CSS Cursors
11. HTML5 video with object-fit and object-position
12. CSS Clip Path
13. Image Hover Effects
14. CSS Shape Outside
15. Student's Choice With Instructor Permission

The student will journal the resources found during the research phase and upload the journal as a page submission within Canvas. If any found resource has its own visual example(s), the student will create different example(s). The student will submit which blog topic they have chosen and at least two resources to be used approximately 1 week before the project is due. Plagiarism will not be tolerated.

* The student can earn extra credit by choosing more than one topic for blogging.

Grading Rubric

Deliverable	Criteria	Maximum Points
GitHub repository	A complete deliverable. The README.md is complete and attributions listed.	10
Content from P1-P7	A clean Project 7 is used as starter code.	5
Theme	The theme with colors and typography is used effectively.	5
CSS	CSS styling is properly written and used effectively.	20
Logo	A new logo will be added for the logo (svg) and favicon(png).	5
Submit button	The button has hover and click interactivity.	10
Drop cap	The drop cap is displayed properly using CSS.	5
Blog article	The topic is researched, discussed, and is demonstrated effectively.	20
Asset inventory	The asset inventory is complete and delivered on time.	10
Code validation, style, beautified	No errors are found.	10
Total		**100**

Extra Credit

Extra credit of up to 30 points can be earned. You are cautioned not to spend time on extra credit if the main project deliverables are not yet completed and tested.

Deliverable	Criteria	Maximum Points
Mood board	A mood board using Adobe XD or Photoshop is created that matches the asset inventory and is delivered to the design folder.	5
Design prototype	A design prototype using Adobe XD is created and a link to the Adobe page is added to the README.md file	5
Logo design	An original SVG is designed and used for the logo.	5
Additional Gallery	The gallery is expanded to a minimum of 6 photos total and remains responsive.	5
Gallery image special effects	The images are interactive upon hover and have a fallback for touch-only devices. (This cannot be for extra credit if your blog topic(s) overlap this topic.)	10
Additional blog article.	An additional blog article is included.	15
Bootstrap version	A bootstrap branch is created and a working About Me page showing all content is delivered using Bootstrap. A template can be used as starter.	15
Suggested by the student	Extra work proposed by the student and accepted for extra credit by the instructor.	Amount varies

Name:

Web Design Assets Inventory

1. Color Theme
    a. Primary color for block elements
        i.   Dark-green
        ii.   Hex (#) #3b8509 and RGB (59, 133, 9)
        iii. Gradient values (if used)
    b. Secondary color for block elements
        i.   Name gainsboro
        ii.   Hex (#) dcdcdc and RGB (220, 220, 220)
        iii. Gradient values (if used)
    c. Grayscale (list all that are used)
        i.   Black and white
        ii.   Hex (#) 000000 / FFFFFF and RGB (0, 0, 0) / (255, 255, 255)
        iii. Gradient values (if used)
    d. Color(s) for body text
        i.   Black / dark - green
        ii.   Hex (#) 000000 / 3b8509 and RGB (0, 0, 0) / (59, 133, 9)
        iii. Background color hex(#) FFFFFF
        iv.   Contrast ratio 21 : 1 / 4.62 : 1
    e. Color(s) for display text
        i.   White
        ii.   Hex (#) #FFFFFF and RGB (255, 255, 255)
        iii. Background color hex(#) 3b8509
        iv.   Contrast ratio 4.62 : 1
2. Typography
    a. Display font family
        i.   Weights (thin, regular, bold, etc) - regular
        ii.   Styles (italic) none
    b. Body font family
        i.   Weights (thin, regular, bold, etc) regular / for feature - bold
        ii.   Styles (italic) none / for feature - cursive

    c. Heading(s) h1-h6 (list all)
  - i. Font-family h2 - "Gloria Hallelujah"
  - ii. Font-size 1.5em
  - iii. Weight 700
  - iv. Style cursive
  - v. Letter spacing 4px
  - vi. text-transform : uppercase

    d. Drop Cap
  - i. Font-family "Philosopher"
  - ii. Font-size 400%
  - iii. Weight - regular
  - iv. Style - none

3. Imagery

    a. Profile
  - i. Photo alt text - This is a picture of me
  - ii. Caption   Svetlana Kanel
  - iii. Filename & Link   src="images/my_image-xsmall.jpg"

    b. Gallery (list all)
  - i. Photo alt text - This is Langtang - Himalai
  - ii. Caption   This is Langtang - Himalai
  - iii. Filename & Link src="images/himalai-2014-1-xsmall.jpg"
  - iv. Photo alt text - Himalai, top 4850m
  - v. Caption   Himalai, top 4850m (15912 ft)
  - vi. Filename & Link src="images/himalai-2014-top-xsmall.jpg"
  - vii. Photo alt text - Snowboarding, New Hampshire
  - viii. Caption   Snowboarding, New Hampshire, 2019
  - ix. Filename & Link src="images/snowboarding-xsmall.jpg"
  - x. Photo alt text - Sailing in Greece
  - xi. Caption   Sailing, Greece
  - xii. Filename & Link src="images/sailing-xsmall.jpg"
  - xiii. Photo alt text - Checking by the police in the open sea
  - xiv. Caption   the Police never sleep, Croatia
  - xv. Filename & Link src="images/police-xsmall.jpg"
  - xvi. Photo alt text - Climbing in Crimea
  - xvii. Caption   When you cannot stop climbing, Crimea

        xviii.   Filename & Link src="images/crimea-xsmall.jpg"

   c.   Blog Article Imagery (if appropriate, list all)

       i.   Photo alt text, Caption, Filename & Link - N/A This is a picture of Ivan Bakaidov, This is Ivan Bakaidov, a Russian programmer, web activist, and wed developer, src="images/Ivan_Bakaidov.jpg-xsmall.jpg"

       ii.   Embedded codepen

       iii.   Element demonstrating concept (I did not finish the article)

       iv.   Other method of display (I did not finish the article)

       v.

4.   Iconography

   a.   Logo

       i.   Picture (svg) my initials

       ii.   Filename & Link src="images/logo-white-small.svg"

   b.   Favicon

       i.   Picture (png) my initials

       ii.   Filename & Link href="images/logo-colored-background.png"

   c.   HTML icons (list all that are used)

       i.   Icon font for GitHub link

           1.   Icon **github-square**

           2.   Unicode f092

           3.   HTML <i class="fab fa-github-square"></i>

       ii.   Icon font for others (list all that apply)

           1.   Icon

           2.   Unicode

           3.   HTML

5.   Form

   a.   Input

       i.   Unfocused styles none

       ii.   Focused styles   none

      b. Textarea
          i. Unfocused styles none
          ii. Focused styles   none
      c. Radio Buttons
          i. Unfocused styles   none
          ii. Focused styles   none

6. Submit Button
      a. Background color white
      b. Border inherits
      c. Font-family Arial
      d. Font-size 1em = 13,333px
      e. Weight regular
      f. Hover behavior cursor - pointer, background color turns #3b8509 (dark-green), text color - white
      g. Click behavior it inherits, bit when you click it looks like push down because the border that also was inherited looks like a little upper. (I do not know how you translate it from my English into normal English)

7. Drop cap
      a. CSS code

```
.letter {

    float: left;

    font-size: 400%;

    margin-right: 5px;

    color: #3b8509;

    vertical-align: super;

    margin-bottom: -16px;

    margin-top: -0.8rem;

}
```

      b. Resource none

8. Blog Topic(s)
      a. Chosen topic Accessibility / Video (maybe)

      b. Resources textbook(Web Development & Design Foundations), webdesign.tutsplus.com, article about ARIA

      c. Draft visual example. Provide a short description of your example.

        Picture and the short story of a person with moving disability and a list of features that help screen readers.

9. Extra Credit (list all that apply)
    a. Deliverable Bootstrap
    b. Provide a short description of what is included a version of Bootstrap using a template
    c. Resources template from canvas and workshop