

Heat maps

UCM1 – UCM1 TASK 2: MULTIPAGE WEBSITE

FRONT-END WEB DEVELOPMENT – D277

PRFA – UCM1

TASK OVERVIEW

SUBMISSIONS

EVALUATION REPORT

COMPETENCIES

4074.1.1 : Implements Navigational Schemes

The learner implements navigational schemes in websites.

4074.1.2 : Develops Reactive Web Interfaces

The learner develops reactive user web interfaces using CSS.

4074.1.3 : Implements Data Entry and Data Storage

The learner implements data entry and data storage capabilities in a web environment.

4074.1.4 : Implements User-Centered Solutions

The learner implements user-centered solutions from multiple perspectives emphasizing usability and functional page layouts.

INTRODUCTION

To be successful as a front-end web designer or developer, you must be able to structure content in HTML and present a visual representation of the structure for various devices using CSS and JavaScript. In this task, you will further design, develop, and implement the low-level comprehensive page layout you created in the previous task. Your work for Task 2 will not be evaluated until Task 1 has been submitted and passed.

In this task, you will have the opportunity to demonstrate your HTML and CSS skills as well as your ability to implement user-centered solutions by creating a website about one of the states within the United States. As you create your website, you will use an external style sheet for the design and layout of the site. Each page should have the same layout to maintain a consistent user experience throughout the site. You will publish your website to one of the free hosting sites listed in the Web Links section.

Note: Because your site will be live, use caution with the content and images you include on your website. The public will have access to your website, so do not include any sensitive or private information.

Note: All the code in your submission must be original work. You may not use premade templates of any sort, including the templates provided in the exercise files of the course, blog software such as Blogger and WordPress, content management systems like Joomla! and PHP-Nuke, GUI web design software like Adobe Dreamweaver, or any type of "WYSIWYG" application that produces the code by clicking a button.

SCENARIO



Congratulations, you got the job! You just finished your first week at the state government office where you completed the orientation and onboarding documentation. You have also met with your new supervisor daily to learn more about the department and expectations of your role, as well as your new colleagues who have been teaching you about the systems used in the office. You are now ready to develop the new website for the state government office.

REQUIREMENTS

Your submission must be your original work. No more than a combined total of 30% of a submission and no more than a 10% match to any one individual source can be directly quoted or closely paraphrased from sources, even if cited correctly. An originality report is provided when you submit your task that can be used as a guide.

You must use the rubric to direct the creation of your submission because it provides detailed criteria that will be used to evaluate your work. Each requirement below may be evaluated by more than one rubric aspect. The rubric aspect titles may contain hyperlinks to relevant portions of the course.

Tasks may not be submitted as cloud links, such as links to Google Docs, Google Slides, OneDrive, etc., unless specified in the task requirements. All other submissions must be file types that are uploaded and submitted as attachments (e.g., .docx, .pdf, .ppt).

- A. Create **4–10** web pages of content for your website with a main page that introduces the state of your choice and additional pages for the capital and **two** other cities located within the state. The information for the capital and each city can vary but must include the following:
 - the city's population
 - the year the city was incorporated
 - the region of the state in which the city is located
 - the classification of the city: urban, suburban, and/or rural
 - the average income level of the city compared to the rest of the state
 1. Include the following items on *each* page, using a suitable HTML element:
 - a title in the head of *each* document that describes the web page's individual topic
 - a relevant image, including alternative text for the image
 - a consistent menu that allows the user to navigate to any other page on the site
 2. Include the following semantic elements from Task 1 on *each* page:
 - a header containing introductory content (pertaining to the document as a whole or a particular section of a document)
 - a nav to place the links to navigate throughout the site
 - a section to display the main content of the page
 - an aside to display information related to the content
- B. Include *each* of the following elements within your website, using suitable markup:
 1. a link that opens an external website in a new window or tab using the target attribute
 2. an HTML-coded ordered list with *at least three* list items
 3. an HTML-coded unordered list with *at least three* list items
 4. an HTML-coded table consisting of **3–6** columns and **3–6** rows to organize content
- C. Create an external CSS file with the following CSS rules and formatting, and apply these rules to enhance your website content:
 1. *each* of the following styles for text:

- **one** font-family declaration
 - a :hover pseudo-class to create a rollover effect for navigation buttons
2. a float property to position *at least one* HTML element to the side of another in your web page
 3. absolute and relative positioning in *at least one* area of your web page
 4. *each* of the following selectors:
 - **one** element selector to style the HTML elements
 - **one** class selector that is used *at least two* times to style HTML elements
 - **one** ID selector to format specific elements of a page

D. Add a form on **one** page of your website by doing the following:

Note: The form does not need to include a functional Submit button.

- Include text fields for the user's first name, the user's last name, and the user's email address, as well as a confirmation field for the email address for verification purposes and a text box that allows the user to ask a question.
 - Ensure *all* fields contain placeholders.
1. Include JavaScript code that verifies the email fields match when a user enters a second email address.

E. Upload your website to **one** of the hosting sites listed in the Web Links section. Your website must include the following components:

- HTML pages
- external CSS document(s)
- all images uploaded to the website

F. Submit **one** ZIP file of your website with all files (i.e., images, other media) used to create your website.

Note: Your project will be evaluated using both the hosted site and the files. The local copy that you submit needs to match the hosted website.

G. Submit a completed copy of the attached "Student Project Submission Form."

H. Acknowledge sources, using in-text citations and references, for content that is quoted, paraphrased, or summarized.

I. Demonstrate professional communication in the content and presentation of your submission.

File Restrictions

File name may contain only letters, numbers, spaces, and these symbols: ! - _ . * ' ()

File size limit: 200 MB

File types allowed: doc, docx, rtf, xls, xlsx, ppt, pptx, odt, pdf, csv, txt, qt, mov, mpg, avi, mp3, wav, mp4, wma, flv, asf, mpeg, wmv, m4v, svg, tif, tiff, jpeg, jpg, gif, png, zip, rar, tar, 7z

RUBRIC

A:WEBSITE CONTENT

NOT EVIDENT

The submission includes fewer than 4 or more than 10 pages of content.

APPROACHING COMPETENCE

The submission includes 4–10 web pages of content but does not include a main page that introduces the state or does not include additional pages for the capital or 2 other cities located within the state. Or the website does not include *each* of the given points for the capital and *each city*.

COMPETENT

The submission includes 4–10 web pages of content with a main page that introduces the state and additional pages for the capital and 2 other cities located within the state. The website includes *each* of the given points for the capital and *each city*.

A1:HTML ITEMS**NOT EVIDENT**

The submission does not include *any* of the given items.

APPROACHING COMPETENCE

The submission does not include *each* of the given items on *each* page, or 1 or more items do not use a suitable HTML element.

COMPETENT

The submission includes *each* of the given items on *each* page. *All* items use a suitable HTML element.

A2:SEMANTIC ELEMENTS**NOT EVIDENT**

The submission does not include *any* semantic elements.

APPROACHING COMPETENCE

The submission includes *each* of the given semantic elements, but they are not included on *each* page. Or the submission does not include 1 or more of the given semantic elements.

COMPETENT

The submission includes *each* of the given semantic elements on *each* page.

B1:EXTERNAL WEBSITE ELEMENT**NOT EVIDENT**

The submission does not include a link that opens an external website.

APPROACHING COMPETENCE

The submission includes a link that opens an external website, but the website does not open in a new window or tab using the target attribute or does not include suitable markup.

COMPETENT

The submission includes a link that opens an external website in a new window or tab using the target attribute and includes suitable markup.

B2:ORDERED LIST ELEMENT**NOT EVIDENT**

The submission does not include an HTML-coded ordered list.

APPROACHING COMPETENCE

The submission includes an HTML-coded ordered list, but the list does not include *at least* 3 list items. Or the list does not use suitable markup, or the HTML code is not properly structured.

COMPETENT

The submission includes an HTML-coded ordered list with *at least* 3 list items. The list uses suitable markup, and the HTML code is properly structured.

B3:UNORDERED LIST ELEMENT**NOT EVIDENT**

The submission does not include an HTML-coded unordered list.

APPROACHING COMPETENCE

The submission includes an HTML-coded unordered list, but the list does not include *at least* 3 list items. Or the list does not use suitable markup, or the HTML is not properly structured.

COMPETENT

The submission includes an HTML-coded unordered list with *at least* 3 list items. The list uses suitable markup, and the HTML is properly structured.

B4:TABLE ELEMENT**NOT EVIDENT**

The submission does not include an HTML-coded table to organize content.

APPROACHING COMPETENCE

The submission includes an HTML-coded table to organize content, but the table does not have 3–6 columns or does not have 3–6 rows.

COMPETENT

The submission includes an HTML-coded table to organize content, and the table has 3–6 columns and 3–6 rows.

C1:TEXT STYLE ENHANCEMENT**NOT EVIDENT**

An external CSS file is not provided, or the file does not contain *any* text styles.

APPROACHING COMPETENCE

The external CSS file does not include the given text styles, or 1 or both of the given text styles do not function correctly.

COMPETENT

The external CSS file includes *both* of the given text styles, and *both* styles function correctly.

C2:FLOAT PROPERTY ENHANCEMENT

NOT EVIDENT

An external CSS file is not provided, or the file does not contain a float property.

APPROACHING COMPETENCE

The external CSS file includes a float property, but the float property does not position *at least 1* HTML element to the side of another in the web page, or the float property is not coded correctly.

COMPETENT

The external CSS file includes a float property to position *at least 1* HTML element to the side of another in the web page, and the float property is coded correctly.

C3:ABSOLUTE AND RELATIVE POSITIONING ENHANCEMENT**NOT EVIDENT**

An external CSS file is not included or does not contain absolute or relative positioning.

APPROACHING COMPETENCE

The external CSS file does not include *both* absolute and relative positioning in *at least 1* area of the web page. Or the external CSS file includes absolute and relative positioning in *at least 1* area of the web page but is not coded correctly.

COMPETENT

The external CSS file includes absolute and relative positioning in *at least 1* area of the web page and is coded correctly.

C4:SELECTOR ENHANCEMENT**NOT EVIDENT**

The submission does not include *any* of the given selectors.

APPROACHING COMPETENCE

The submission is missing 1 element selector to style the HTML elements or 1 class selector that is used *at least 2* times to style HTML elements or 1 ID selector to format specific elements of a page. Or *each* of the given selectors is included, but 1 or more selectors do not function properly.

COMPETENT

The submission includes 1 element selector to style the HTML elements, 1 class selector that is used *at least 2* times to style HTML elements, and 1 ID selector to format specific elements of a page, and *all*/selectors function properly.

D:FORM**NOT EVIDENT**

The submission does not include a form on 1 page of the website.

APPROACHING COMPETENCE

The submission includes a form on 1 page of the website but

COMPETENT

The submission includes a form on 1 page of the website with the given text fields, and *each* field

does not include the given text fields, or *each* field does not contain appropriate placeholders.

contains appropriate placeholders.

D1:JAVASCRIPT CODE**NOT EVIDENT**

The submission does not include JavaScript code.

APPROACHING COMPETENCE

The submission includes JavaScript code, but the code does not correctly verify the email fields match when a user enters a second email address.

COMPETENT

The submission includes JavaScript code that correctly verifies the email fields match when a user enters a second email address.

E:UPLOAD WEBSITE**NOT EVIDENT**

The submission is not uploaded to 1 of the hosting sites listed in the Web Links section.

APPROACHING COMPETENCE

The submission is uploaded to 1 of the hosting sites listed in the Web Links section but does not include *each* of the required components.

COMPETENT

The submission is uploaded to 1 of the hosting sites listed in the Web Links section and includes *each* of the required components.

F:ZIP FILE**NOT EVIDENT**

The submission does not include 1 ZIP file.

APPROACHING COMPETENCE

The submission includes 1 ZIP file, but the file does not include *all* files used to create the website.

COMPETENT

The submission includes 1 ZIP file that includes *all* files used to create the website.

G:"STUDENT PROJECT SUBMISSION FORM"**NOT EVIDENT**

The submission does not include the attached "Student Project Submission Form."

APPROACHING COMPETENCE

The submission includes the attached "Student Project Submission Form," but it is incomplete or does not include the URL published in part E.

COMPETENT

The submission includes a completed copy of the attached "Student Project Submission Form" that includes the URL published in part E.

H:SOURCES

NOT EVIDENT

The submission does not include both in-text citations and a reference list for sources that are quoted, paraphrased, or summarized.

APPROACHING COMPETENCE

The submission includes in-text citations for sources that are quoted, paraphrased, or summarized and a reference list; however, the citations or reference list is incomplete or inaccurate.

COMPETENT

The submission includes in-text citations for sources that are properly quoted, paraphrased, or summarized and a reference list that accurately identifies the author, date, title, and source location as available.

I: PROFESSIONAL COMMUNICATION**NOT EVIDENT**

Content is unstructured, is disjointed, or contains pervasive errors in mechanics, usage, or grammar. Vocabulary or tone is unprofessional or distracts from the topic.

APPROACHING COMPETENCE

Content is poorly organized, is difficult to follow, or contains errors in mechanics, usage, or grammar that cause confusion. Terminology is misused or ineffective.

COMPETENT

Content reflects attention to detail, is organized, and focuses on the main ideas as prescribed in the task or chosen by the candidate. Terminology is pertinent, is used correctly, and effectively conveys the intended meaning. Mechanics, usage, and grammar promote accurate interpretation and understanding.

WEB LINKS

[Byet Internet Services](#)

[FreeHostingNoAds.net](#)

[Googiehost](#)

[InfinityFree](#)

SUPPORTING DOCUMENTS

[Student Project Submission Form.docx](#)