



UOW COLLEGE AUSTRALIA

PATHWAYS TO UNIVERSITY OF WOLLONGONG

DPIT128: Introduction to Web Technology (Spring 2023)

Assignment 2 (10%) due by Friday 28th of July 2023 at 11:55 PM

Learning Outcomes

- Ability to develop HTML forms that interact with existing mainstream commercial services
- Ability to develop functional interfaces based on written/tabulated specifications
- Awareness of different HTTP methods and their technical characteristics
- Ability to validate both form and CSS enhanced HTML documents using W3C validation services

Submission Instructions

You will need to submit a total of 4 files using the "Assignment 2" submission facility on Moodle. Please see the table below for an overview of the files (*including their names and extensions*) that are required for each task.

Task	Files Required
1	A2_TASK1.html
2	A2_TASK2.html
3	A2_TASK3.html
4	A2_TASK4.html

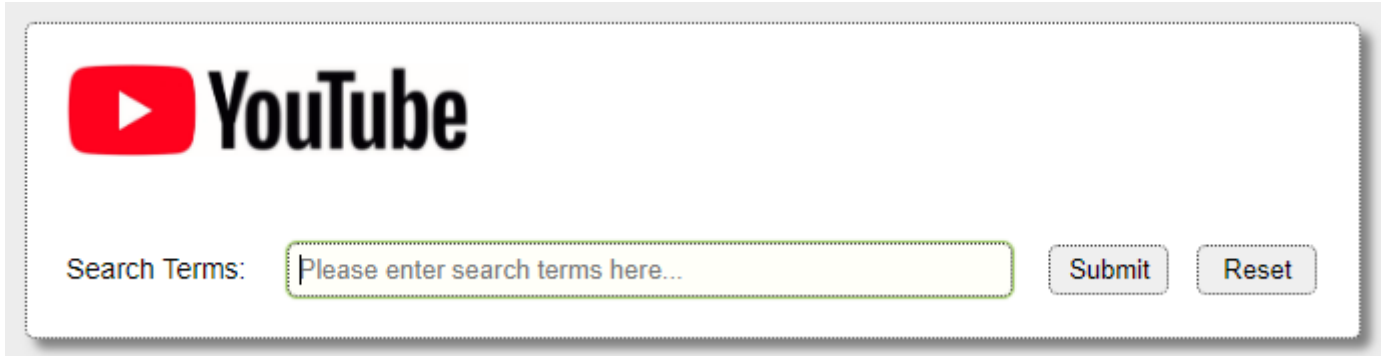
Assignments are marked using the **Google Chrome** browser. Check all work in this same browser prior to submission.

Please be aware of the following:

1. Late submissions will incur an awarded mark deduction of 10% for **each day late**.
2. Submissions more than 3 days late will **not** be marked (a zero will be automatically awarded).
3. Please apply for academic consideration if you need an extension. The UOW College "Academic Consideration Policy" can be found at the following URL:
<https://www.uowcollege.edu.au/about/governance/policies-procedures/>
4. Plagiarism is treated seriously! If we suspect that work has been copied, **ALL** students involved are likely to be awarded a mark of zero for the entire assessment.
5. This assignment is scheduled to be marked during Weeks 6 & 7.

There are 4 tasks in this assignment.

Task 1: Complete the HTML and CSS code needed to create a simple form that interacts with the [YouTube](#) search engine. You must use the same layout and styling as shown below.



Design Requirements:

- The background colour for the main `div` element must be specified *inline* (see “**Design Resources**”). ✓
- An `arial` font and 14px font size should be applied to the main `div` element. ✓
- The above font and size declarations must be specified *internally* using a single ‘type’ selector. ✓
- The form should display all results in a new window/tab. ✓
- An absolute URL must be used as the image source (see “**Design Resources**”). ✓
- An appropriate image size should be specified *inline* using the correct CSS declaration(s). ✓
- A margin of 20px must be separately applied to the image and control/widget sections of the form. ✓
- The above margin declaration should be specified *internally* using a ‘class’ selector. ✓
- A `label` element must be used with the text description for each input field. ✓
- A width of 350px should be applied to the input field using an *inline* CSS declaration. ✓
- The background colour for all input fields must be specified *internally* (see “**Design Resources**”). ✓
- A padding value of 5px and matching border effect should also be applied (see “**Design Resources**”). ✓
- All declarations for the above two points must use a single CSS rule with an ‘attribute’ selector. ✓
- An `arial` font and 13px font size should be applied to all `input` elements. ✓
- The above font and size declarations must be specified *internally* using a single ‘type’ selector. ✓
- Suitable `placeholder` and `required` attributes should be included where appropriate. ✓
- A rounding effect of 5px must be specified *internally* using a ‘class’ selector and applied as shown. ✓

You will need to determine the value for both the form `action` and `method` attributes. Take some time to experiment with [YouTube](#) and review any examples covered in the lecture slides.

Design Resources:

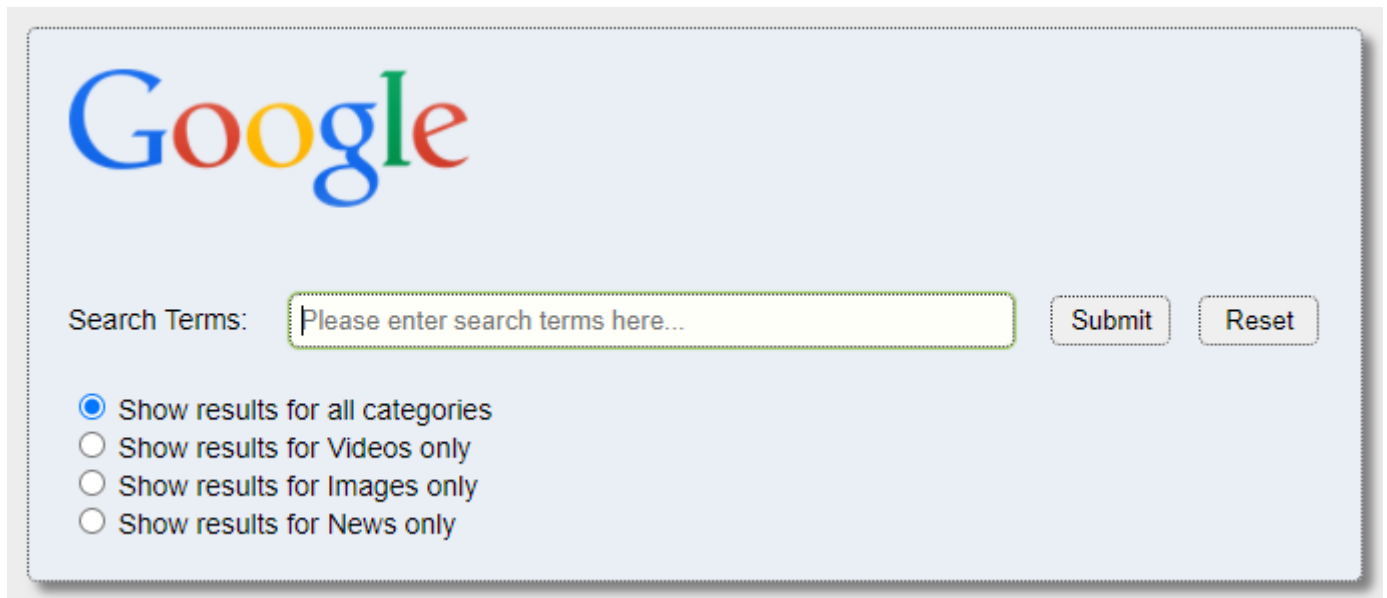
Background (<code>div</code>)	#ffffff
Image File URL	https://mywebspace.net.au/UOWC128/assignment_2/images/task_1.png
Background (<code>input</code>)	#ffff9
Border Effect	1px dotted #404040

Please Note:

- HTML tables must **not** be used to layout this form.
- Each of the CSS rules provided in the template should be utilised within your final design.
- Be sure to include an appropriate/descriptive name for each of your 'class' selectors.
- This will be the first of 4 *separate files* that you must submit for this assignment.

This task is worth 2 marks.

Task 2: Complete the HTML and CSS code needed to create a slightly more elaborate form that interacts with the [Google Australia](#) search engine. You must use the same layout and styling as shown below.



Design Requirements:

- The background colour for the main `div` element must be specified *inline* (see “**Design Resources**”).
- An `arial` font and 14px font size should be applied to the main `div` element.
- The above font and size declarations must be specified *internally* using a single 'type' selector.
- The form should display all results in a new window/tab.
- An absolute URL must be used as the image source (see “**Design Resources**”).
- An appropriate image size should be specified *inline* using the correct CSS declaration(s).
- A margin of 20px must be separately applied to the image and control/widget sections of the form.
- The above margin declaration should be specified *internally* using a 'class' selector.
- A `label` element must be used with the text description for each input field and radio button.
- A width of 350px should be applied to the input field using an *inline* CSS declaration.
- The background colour for all input fields must be specified *internally* (see “**Design Resources**”).
- A padding value of 5px and matching border effect should also be applied (see “**Design Resources**”).
- All declarations for the above two points must use a single CSS rule with an 'attribute' selector.
- An `arial` font and 13px font size should be applied to all `input` elements.
- The above font and size declarations must be specified *internally* using a single 'type' selector.
- Suitable `placeholder` and `required` attributes should be included where appropriate.
- A rounding effect of 5px must be specified *internally* using a 'class' selector and applied as shown.

- All radio buttons should be grouped and the first/topmost must be selected by default.

You will need to determine the value for both the form `action` and `method` attributes. Take some time to experiment with [Google Australia](#) and review any examples covered in the lecture slides.

Design Resources:

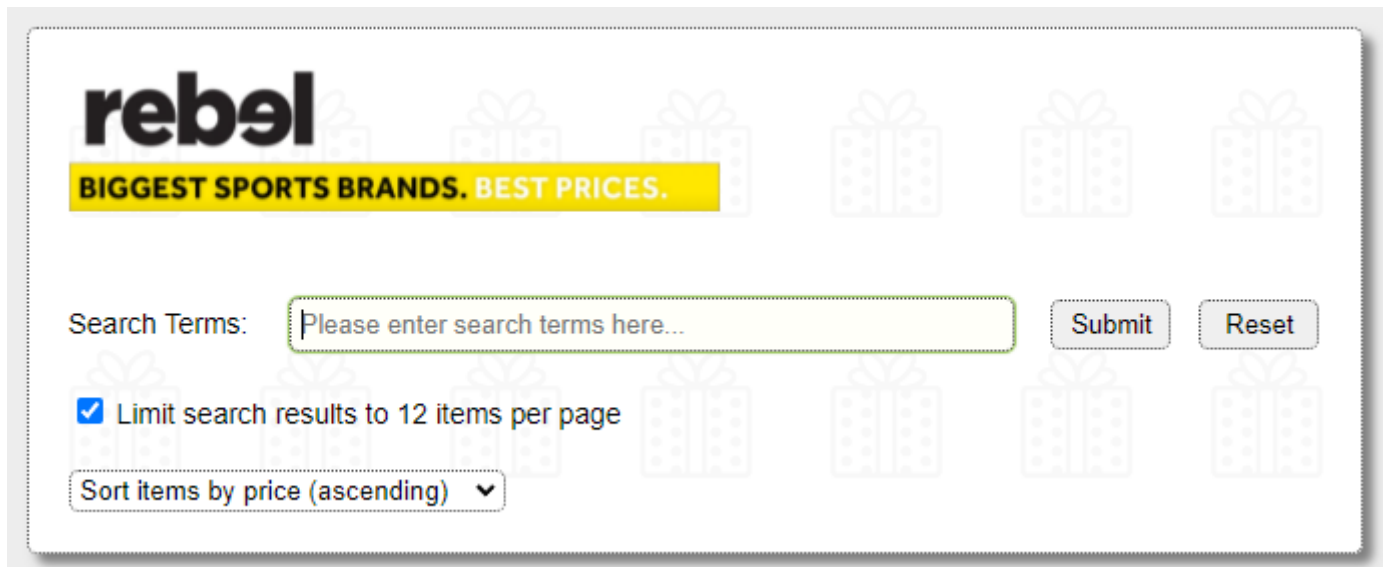
Background (<code>div</code>)	#eaeff6
Image File URL	https://mywebspace.net.au/UOWC128/assignment_2/images/task_2.png
Background (<code>input</code>)	#ffffff9
Border Effect	1px dotted #404040

Please Note:

- HTML tables must **not** be used to layout this form.
- Each of the CSS rules provided in the template should be utilised within your final design.
- Be sure to include an appropriate/descriptive name for each of your 'class' selectors.
- This will be the second of 4 *separate files* that you must submit for this assignment.

This task is worth 2 marks.

Task 3: Complete the HTML and CSS code needed to create a slightly more elaborate form that interacts with the [Rebel Sport](#) search engine. You must use the same layout and styling as shown below.



Design Requirements:

- The background image for the main `div` element must be specified *inline* (see “**Design Resources**”).
- An `arial` font and 14px font size should be applied to the main `div` element.
- The above font and size declarations must be specified *internally* using a single 'type' selector.
- The form should display all results in a new window/tab.

- An absolute URL must be used as the image source (see “**Design Resources**”).
- An appropriate image size should be specified *inline* using the correct CSS declaration(s).
- A margin of 20px must be separately applied to the image and control/widget sections of the form.
- The above margin declaration should be specified *internally* using a ‘class’ selector.
- A label element must be used with the text description for each input field and checkbox.
- A width of 350px should be applied to the input field using an *inline* CSS declaration.
- The background colour for all input fields must be specified *internally* (see “**Design Resources**”).
- A padding value of 5px and matching border effect should also be applied (see “**Design Resources**”).
- All declarations for the above two points must use a single CSS rule with an ‘attribute’ selector.
- An arial font and 13px font size should be applied to all input and select elements.
- The above font and size declarations must be specified *internally* using combined ‘type’ selectors.
- Suitable placeholder and required attributes should be included where appropriate.
- A rounding effect of 5px must be specified *internally* using a ‘class’ selector and applied as shown.
- The select element should have two options for sorting by price (“*ascending*” and “*descending*”).
- The “ascending” option must be set as default using the appropriate HTML attribute within your code.
- The “Limit search results to 12 items per page” checkbox should be checked by default.

You will need to determine the value for both the form `action` and `method` attributes. Take some time to experiment with [Rebel Sport](#) and review any examples covered in the lecture slides.

Design Resources:

Background File URL	https://mywebspace.net.au/UOWC128/assignment_2/images/bg_tile.png
Image File URL	https://mywebspace.net.au/UOWC128/assignment_2/images/task_3.png
Background (input)	#ffff9
Border Effect	1px dotted #404040

Please Note:

- HTML tables must **not** be used to layout this form.
- Each of the CSS rules provided in the template should be utilised within your final design.
- Be sure to include an appropriate/descriptive name for each of your ‘class’ selectors.
- This will be the third of 4 *separate files* that you must submit for this assignment.

This task is worth 2 marks.

Task 4: Complete the HTML and CSS code needed to create a customer feedback form that interacts with a PHP form handler via the POST method. You must use the specification table included below as the basis for your final design.

Input Context	Control/Widget Type	Name Attribute Value
Full Name	Text	full-name

Email Address	Email	email-address
Services	Select (Multiple)	services[]
Comments	???	comments

Design Requirements:

- A background colour for the main `div` element must be specified *inline* (see “**Design Resources**”).
- An image has been provided and should be included within your solution (see “**Design Resources**”).
- A `label` element must be used with the text description for each control/widget (excluding buttons).
- A PHP form handler has also been provided and should be used for this task (see “**Design Resources**”).

All other relevant design parameters must match the specification given for the previous forms.

Design Resources:

Background (<code>div</code>)	#f9fff9
Image File URL	https://mywebspace.net.au/UOWC128/assignment_2/images/task_4.png
PHP Handler URL	https://mywebspace.net.au/UOWC128/assignment_2/php/task_4.php

Important Tip: Use the feedback provided by the form handler to test your design. The output will clearly indicate if the information has been received correctly. Unsubmitted values will appear in red (see *example 1*) while values that have been correctly passed will appear in green (see *example 2*).

```
-----
PHP Form Handler: Task 4 of Assignment 2
-----
-> Full Name NOT Submitted!
-> Email Address NOT Submitted!
-> Services NOT Submitted!
-> Comments NOT Submitted!

-----
Version 1.0 by Jason Rodriguez
-----
```

PHP Form Handler: Task 4 of Assignment 2

2

```
-> Full Name Submitted (Value: 'Jason Rodriguez')
-> Email Address Submitted (Value: 'jasonr@uow.edu.au')
-> Services Submitted - Values:
+ Consulting
+ Designing
+ Implementation
+ Testing

-> Comments Submitted - Value:
I was pleased with the services I received.
```

Version 1.0 by Jason Rodriguez

Please Note:

- HTML tables must **not** be used to layout this form.
- Each of the CSS rules provided in the template should be utilised within your final design.
- Be sure to include an appropriate/descriptive name for each of your 'class' selectors.
- This will complete the set of 4 *separate files* that you must submit for this assignment.

This task is worth 2 marks.

The following applies to all relevant components of your submission:

Additional Marking Criteria	Available Marks
Documents validate <u>without issue(s)</u> using the W3C HTML & CSS validators	1.0
All URL values are absolute (<i>includes both images and form handlers</i>)	0.25
All images have <code>alt</code> attributes with suitable/descriptive values	0.25
HTML & CSS code is neat and suitably indented (<i>2 Spaces Only</i>)	0.25
Documents contain explanatory HTML & CSS commenting where appropriate	0.25

- THIS IS THE END OF THE ASSIGNMENT -