

MMCC2041: Coding Test 3 Brief

Overview

For this coding test you will be required to write your own HTML, CSS, and jQuery according to the specifications supplied below. You will be supplied with the text and video content, as well as a screencast showing the visual aesthetics and functionality that you are required to implement.

The ZIP file containing the provided content is available from <https://media.mq.edu.au/mmcc2041/index.php>.

First of all, watch the screencast video that shows you the end result we are looking for and then read the instructions below carefully before you start coding anything.

You are going to have to use your own initiative to figure out a lot of this, but we'll provide you with some useful information and tips:

- The video is 720px wide.
- All content is nested inside a HTML element that is centred in the window.
- The background colour code is FFD33E.
- The font size for paragraph text is 24px.
- The first piece of text appears at 5 seconds.
- The second piece of text (accompanied by the crab-fight.png image) appears at 12 seconds.
- The third piece of text appears at 20 seconds.
- The fourth and final piece of text appears at 30 seconds.
- The URL for the Wikipedia page (see: TEXT #4) is: https://en.wikipedia.org/wiki/Hermit_crab (this should open in a new window/tab when clicked)
- When the video ends, all content fades out over 200ms.

TEXT #1

Hermit crabs are decapod crustaceans of the superfamily Paguroidea.

Most of the approximately 1,110 species possess an asymmetric abdomen concealed in a scavenged mollusc shell.

TEXT #2

As hermit crabs grow, they require larger shells. Since suitable intact gastropod shells are sometimes a limited resource, vigorous competition often occurs among hermit crabs for shells.

TEXT #3

Hermit crabs with too-small shells cannot grow as fast as those with well-fitting shells, and are more likely to be eaten if they cannot retract completely into the shell. Therefore, as the hermit crab grows in size, it must find a larger shell and abandon the previous one.

TEXT #4

You can read more about hermit crabs on Wikipedia.

Everything required for this test has been covered during workshops and in the issued worksheets.

Requirements

Valid jQuery

Your jQuery coding will demonstrate understanding of jQuery's syntax and custom application of event handlers as well as jQuery's built in effects.

Your code will be clean and appropriately indented and your jQuery code will reflect your understanding of HTML structures and nesting.

Summary

This coding test is designed to test your knowledge and application of:

- HTML structure
- CSS: selectors
- CSS structure reflecting HTML nesting
- CSS: positioning
- CSS: sizing (height and width)
- CSS: colour codes and methods
- jQuery syntax
- jQuery event handlers
- jQuery's built-in effects
- HTML5 elements' events and properties

Submission and File Structures

Completed coding tests will be saved in a folder called CT3 inside your Sites folder by no later than 9pm on Tuesday, 22nd September 2020. Your HTML file must be called index.html.

Failure to save your work in the required format means your test will not be marked and you will receive a mark of zero for the test. Please test your coding test submission is accessible from:

<https://media.mq.edu.au/~your.login/ct3/index.html>

Late Submission

Coding tests are timed assessments and as such late submissions will not be accepted or marked unless supported by the Special Consideration policy.