

MAS241: 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/mas241/index.php>.

Start with the HTML.

- Your HTML document should include a header with the text “Backin’ Up”.
- The main content section will contain the following text:

The Backin' Up Song started with an interview on Kansas TV station KMBC in which a woman describes witnessing an attempted robbery at a Shelal gas station.

Autotune the News appropriated the video to produce "Backin' Up Song" which creates a song from the witness's description of events

- The above text will be followed by video1 (supplied in the ZIP file).
- Next, there should be the following text:

"Backin' Up Song" was subsequently covered by Canadian indie band Walk Off the Earth. You can watch it below when the original has finished playing.

- And then finally video2 (supplied in the ZIP file).

Once you have the HTML in place for these elements, you can begin styling the CSS using the following specifics:

- Heading font-family is Special Elite (from Google Fonts) at 48px
- Body font-family is Inconsolata (from Google Fonts) at 18px
- Body background image is sky.gif (supplied in the ZIP file)
- Font colour is white
- Content section has 20px padding on all sides and is 1000px wide
- The blue used for header and content section backgrounds is #304D8E
- Heading text should be vertically centred and 20px from the left
- The banner that appears 3 seconds into video2 (see screencast supplied in the ZIP file) has the following qualities:
 - Fixed 10px from the top and the left of the browser window
 - Hidden using CSS
 - Font is orange coloured and sized at 72px
 - 20px padding on all sides

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- Background colour is #222222

Once styled, you can move onto implementing the jQuery functionality. You are required to use jQuery to code the following events:

- Hide video2 when the page loads.
- Display and scroll to video2 automatically when video1 ends, so video2 is fully in view (**note:** as there is no content padding below video2, the page won't scroll to position video2 at the top of the page, but it will bring it into view. See the screencast supplied in the ZIP file @ 15 seconds.)
- When video2 has played for three seconds make the 'win' banner fade in over 200ms (see screencast supplied in the ZIP file @ 20 seconds).
- When the second video has played for six seconds make the 'win' banner fade out over 200ms (see screencast supplied in the ZIP file @ 23 seconds).

You are required to comment your jQuery code to demonstrate your understanding of what each line does.

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 slide 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: classes
- CSS structure reflecting HTML nesting
- CSS: positioning (absolute, relative and z-index)
- CSS: margins and padding
- CSS: sizing (height and width)
- CSS: colour codes and methods
- jQuery syntax
- jQuery custom event handlers
- jQuery's built-in effects
- HTML5 events

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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, 2nd October. 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.

Late Submission

Late submissions will receive a penalty of 2% per day up to seven days after which work will not be marked. Submission dates will be automatically retrieved by the system.