Download the HTML file ***sandboxfiles.zip*** from Moodle

The **jQuery** reference link has been inserted just before the closing **<body>** tag

The ***demo.js*** file is where you will insert all the ***jQuery*** code

A computer code with text

Description automatically generated with medium confidence

***Tip:******good idea to work split screen***

Inside the ***demo.js*** file insert the **document.ready** method – *make sure to put the //END READY…* comment– *things can get messy with Jquery closing brackets*

A screen shot of a computer

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**Toggle()** uses **SHOW & HIDE:**

The **toggle()** method toggles between [**show()**](https://www.w3schools.com/jquery/eff_hide.asp)/[**hide()**](https://www.w3schools.com/jquery/eff_show.asp) for the selected elements.

* This code toggles the navigation between show&hide when **HTML5** logo is clicked

A screen shot of a computer code

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**Preview in browser** - The navigation should disappear

**hide() -** will only hide the element using the targeted selector – code below will hide the center div when clicking on the left div

**A screen shot of a computer code

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**Show()** – shows the element – code below will show the logo again when the right div is clicked

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**fadeOut()** & **fadeIn ()** – code below will fade out the jQuery logo in 1 sec and fade it back in in 3 secs when the JavaScript logo is clicked

The **1000** (*1sec*) & **3000**(*3secs*) represent the speed of the fade

**Note:** the use of the keyword ‘**this’** –‘**this’** represents where the click came from – in the fadeIn we can’t use ‘**this’** as this would try to fade in the JavaScript logo(*where the click came from*)

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**fadeTo() –** fades the element out to a supplied opacity – code below targets the **‘JQuery Sandbox’** text in the **<h1>** with class **logo** and fades it to **0.2** opacity – then the **<span>** tag is targeted to fade it back to **1**

Note the use of the words “*slow*” & “*fast*” and the number entered for the opacity **zero** = invisible ------- **1** = fully opaque

A screen shot of a computer code

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**fadeToggle()**

Toggle the **5** text boxes:

When the center div with class name **.center\_div** is clicked - the boxes are targeted using the id **#text-section > ul > li** – the angle brackets(**>**) means child/children

**A screen shot of a computer code

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**You can also use slow/fast or a number**

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**slideUp() & slideDown()** –code below will slide up the **<header>** in **1** second when the **<footer>** is clicked – then slide it back down again when the **<div>** with class ***return-header*** is clicked

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**slideToggle() –** will toggle between **slideUp & slideDown() -** code below will slide the **‘JQuery Sandbox’** text up and down when the **CSS3** logo is clicked

A screen shot of a computer code

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Try adding parameters **‘slow’, ‘fast’,** or a **number**

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**Changing classes:**

You may want to toggle between classes – the code below will toggle between switching on or off a class named ***.active*** when any box with ***.change*** class is clicked

***\_sandbox.html*** ***styles.css***

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**demo.js**

A screen shot of a computer

Description automatically generated

**Preview in browser:**

**Before click After click**

A box with text on it

Description automatically generatedA white box with black text

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**NOTE: You could use this technique to swap a different theme**

**Css()** – allows you to change the css properties – the code below targets the **2** buttons in the navigation, **theme On** & **theme Off** – this method is using buttons/links to control the css properties on the #**mast id**

A grey square with white letters

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A computer screen shot of text

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**TASK:**

* Target the **2** boxes in the navigation **Box 1** & **Box 2**
* **Box 1** should change the CSS properties –

background colour**(#*54a8e8***) and font size(**1.5rem**)

* **Box 2** should change the CSS properties back again –

background colour***(#dbebed65***) and font size(**1rem**)

Note the hex code to change back(***Box 2***) has an extra **2** numbers(**65**), this represents the alpha channel(***transparency*)**

**EXTRA – Stopping the Logos from moving into the empty space after the JQuery logo fades out**

1. Add a class named ***static*** to at the start of the **<li>** tags the logos are contained in

**A computer screen with colorful text

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1. A screen shot of a computer

   Description automatically generatedCreate the class somewhere inside ***styles.css***
2. Update the **JQuery** code in **demo.js**

**Line 19** uses the fadeOut ***callback function*** to set the **CSS** to display block - therefore the fade is completed first, then the **CSS** is set(*very important to do it in this order*) fade first then callback function set to display block

**Line 27** set the **CSS** back to display none

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Download **j*query\_intro\_tasks*** from Moodleand add the code for each of the effects in the boxes