

Tauira:

Kaiako:

Tauira Workbook

US29788: Develop and evaluate an interactive website for organisational use

Level 3 Version 1 (5 Credits)

1. Assessment conditions

- This is an open book assessment
- All work submitted must be your own work with no help from anyone else
- Your name must be on all work that you submit for assessment
- There are two parts to this assessment - this workbook for planning and testing, and the website itself. Both the workbook and website must be completed and submitted. Physical, digital and online submissions, or any mix of submission types is permitted. (If submitting a google doc and links to Code Avengers ensure that permissions are open to the public and links work.)
- You can attach any additional pages or information as needed if you run out of space in this workbook or complete tasks with different tools.

2. Tauira declaration

I confirm that I have read and understood the conditions of this assessment, and have had the opportunity to seek clarification from the kaiako. Any health and safety requirements have been outlined and observed. All organisational policies have been complied with. I confirm the work for this assessment is my own. Signature and date also required.

Tauira signature/name	Date

3. Assessment overview

- This assessment has four sections, you need to **plan, develop, test and evaluate** a website to meet a given brief.
- The website must be created using a **text editor** using the markup language **HTML5**.
- **Read** through the whole assessment before you start.
- A tauira can meet this standard using a range of evidence including video, Kaiako observation, annotated images, or voice recordings. Writing and annotated images are the strongly preferred methods of submitting your work.
- This is the main assessment but evidence can be drawn from a range of Tauira assessments and scenarios.

4. Submission - have you:

- A. Shown your planning and attached a conceptual design,
- B. Completed an interactive website that meets the brief and follows HTML/CSS convention
- C. Given clear evidence of testing
- D. Evaluated your website to explain how it has met the brief
- E. And submitted the completed work booklet and a zip folder containing 3 html pages and a media folder with at least 2 media.

Conceptual Statement

Your task in this project is to use HTML5 and CSS3 to **develop an interactive website for an organisation**. The content and language used should be professional and appropriate for the target audience of the organisation, and comply with relevant legislation (e.g. copyright, privacy). Any sources of information must be referenced/acknowledged. All code used for evidence of the standard must be written by the tauira. The website must be useable, appropriate and meet one of the two briefs laid out below and the general specs.

Generic Specifications

The site will:

- ☐ Have an index html page and at least 2 other html pages
- ☐ Have all pages linked with an easy to use navigation menu
- ☐ Include a range of appropriate structure/semantic tags (at least 2 from <!doctype>, <title>, <style>, <header>, <nav>, <section>, <article>, <aside>, <footer>, <figure>, <html>, <head>, <body>)
- ☐ Include a range of appropriate element tags and attributes (at least <h1> and <h2> headings, paragraphs, hyperlinks/anchors and images)
- ☐ Include CSS styles for layout (float, padding, margin), typography (font text-decoration), and design (:hover, color, border)
- ☐ Include interactive and responsive elements and styles to control the layout when a website is viewed in a large screen and a small screen (at least 2 from viewport and a media query for two screens, max width/ min width and percentages on sizes, box sizing or grid)
- ☐ Include at least two different embedded media that are relevant to the website topic(s) and target audience e.g. sound, video, animation, images.
- ☐ Have a consistent color scheme and use no more than 3 fonts.
- ☐ Be able to be opened and viewed on at least two browsers and on two different devices (e.g. Chrome/Firefox).
- ☐ Be able to be viewed by people with disabilities such as visual impairment (e.g. good contrast and text size, alt attributes on images). It is accessible and readable to a wide audience.

Generic Constraints

The conceptual design must:

- ☐ Clearly communicate a website with content and layout that meets this brief.
- ☐ Provide a **detailed description** of how the outcome would look and function

The site must:

- ☐ Be written in HTML5 and CSS3 in a text editor such as the Code Avengers IDE or Notepad++
- ☐ Must follow the W3C conventions of HTML5 (eg indenting code, lowercase tags)
- ☐ Follow copyright, health and safety, and privacy laws (use creative commons and/or reference sources)
- ☐ Follow the *Principles of information presentation* (order of presentation of information, clarity, simplicity, readability, consistency and appropriateness for intended audience.)
- ☐ Be readable/legible and be proofread for spelling, grammar.
- ☐ Consistent presentation of layout, (such as composition of elements upon the page, text hierarchy, consistent typography, balance, harmony, proportion, sequence, contrast repetition, alignment, and proximity.)
- ☐ Have text content that is original, appropriately licenced and referenced, or supplied by the teacher.
- ☐ Be tested during development and at the end to ensure it displays correctly in the relevant browsers and platforms.
- ☐ Be tested to ensure it meets all elements of this brief
- ☐ Be completed by the due date.

You can use reference sources for web development.

Including:

Code Avengers.com, <https://www.codeavengers.com/teacher/html-css/2>
w3schools.com, available at <http://www.w3schools.com/default.asp>;
Web Platform Organisation, available at <http://www.webplatform.org/>;
World Wide Web Consortium (W3C), available at <https://www.w3.org/>.

Organisation Brief 1: Te Wānanga o Aotearoa

If you choose this brief then you must complete all the generic specifications and constraints and include the below content.

Conceptual Statement

Te Wananga O Aotearoa needs you to create a website about your experiences in this computing course. The first page called, index.html, will be a short **"Profile"**. The second page is a **"Course description"** and the third page will be **"Sweet success story"** Where you will briefly talk about your experiences in the course. All pages must look professional enough to put on the TWOA website, that includes layout, text and design. The purpose is to share your experience with our level 3 computing course and the target audience are people who might be interested in the course.

Find 2x original media (Logo and footer) and basic text for your website here or in the TWOA online:

https://drive.google.com/open?id=0B35wo8ikDiP_NWpmeXVqQy1mbzQ

Must have:

- ☐ Set the basic font of all the pages to 14 px and "Lexia", sans-serif, serif;
- ☐ Make the header, nav and footer all have a black background
- ☐ Set the links inside the nav to the font color #f3ecd9;
- ☐ The header must have the TWOA logo (supplied)
- ☐ The footer must have the "Nau mai Haere mai" image (supplied), your name and the year
- ☐ TWOA website colors are Black, White, #f3ecd9, #4a4a4a,(color of some text) and #6B8F9C; The bulk of your colors should be from this selection.
- ☐ Your site must fit nicely on at least 2 screen sizes, one above 767px: like a computer screen and one below 767px: like most tablets and phones
- ☐ For a screen smaller than 767px: You must change something about the display of your website for a smaller screen. This could include color, layout, size. There needs to be something different.

Organisation Brief 2: An organisation of your choice

If you choose this brief then you must find a group to make a website about, complete all the generic specifications and constraints and include the below content. Ask your kaiako if your chosen group is appropriate before beginning this assessment.

Conceptual Statement

Your local community needs you, if you choose this brief you have to go and find an organisation, church, company or group to make a website for. Your work needs to be professional looking and you need to ask who is the website for and what is the website about.

Must have:

- ☐ You must add 2 media group to put on your website, like a logo or video
- ☐ You must create 3 linked webpages, named well
- ☐ The group can give you the text or you may write it yourself
- ☐ The footer must have your name and the year
- ☐ Your site must fit nicely on at least 2 screen sizes, one above 767px: like a computer screen and one below 767px: like most tablets and phones
- ☐ For a screen smaller than 767px: You must change something about the display of your website for a smaller screen. This could include color, layout, size. There needs to be something different.

Plan a website to meet the specifications of a set brief

Planning may be spoken, written, and/or graphic.

1.1 - Plan: How will you meet the brief?

A. Purpose: *What is your website for?*

B. Target audience: *Who is likely to go onto the website and what do they want?*

C. Testing procedures: *Explain, how will you make sure everything looks and works as it should?*

Planning space:

*This and the below conceptual design must show a really clear picture of how you will meet the whole brief, including **specifications** and **constraints**.*

- ☐ order of presentation of information, clear, simple, easy to read, consistent and appropriate for intended audience.

1.2 - Conceptual Design

- **Draw up** a design for your website including a full sketch of your intended layout, and a sitemap. Your design should show how your site will meet the specifications, including the following:
 - Layout of content
 - Colors and fonts
 - Placement of links
 - Types of media
 - Layout of media
 - Enhancements

Fill out a **detailed** Conceptual Design" on the following two pages. A conceptual design **MUST** be included in your submission.

Conceptual Design

<p>Ideas for creating accessibility:</p>	<p>Structure (what structural/semantic elements will be used? nav?):</p>
<p>Notes to remember</p> <p>Presentation</p> <ul style="list-style-type: none"> • <i>text hierarchy,</i> • <i>consistent typography,</i> • <i>balance,</i> • <i>harmony,</i> • <i>proportion,</i> • <i>sequence,</i> • <i>contrast repetition,</i> • <i>alignment,</i> • <i>Proximity.</i> <p>Approx. screen sizes: 1600-1350px- laptop/ computer screen 1349-767px- large tablet screen 766-360px- tablet screen 350 or less- phone screen</p>	<p>Typography: Ideas on style, decoration, font types <i>You may use a max of 3 font styles in your website</i></p>

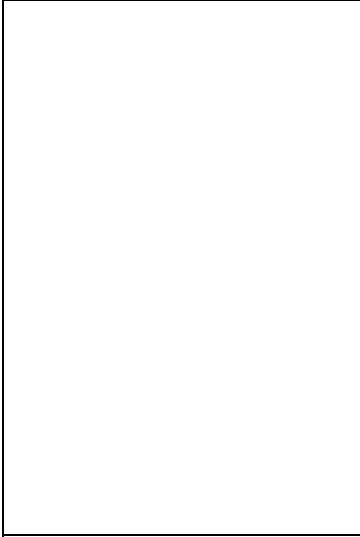
<p>Sitemap and navigation: How will your pages link together and what other pages/sites will you link to?</p>	<p>Color scheme ideas:</p> <table border="1" data-bbox="813 1375 1490 1473"> <tr> <td>Colors:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <table border="1" data-bbox="813 1594 1490 1693"> <tr> <td>Colors:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <table border="1" data-bbox="813 1814 1490 1912"> <tr> <td>Colors:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>Notes:</p>	Colors:						Colors:						Colors:					
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SMALLER SCREEN LAYOUT (Smaller than 767px, phone size)

Design: Create the **layout** of your webpages, following the specifications that are listed.
You may attach additional pages where needed

Annotate: What element tags, styles and attributes will you use to make this? **Be very detailed.**
You may attach additional pages where needed

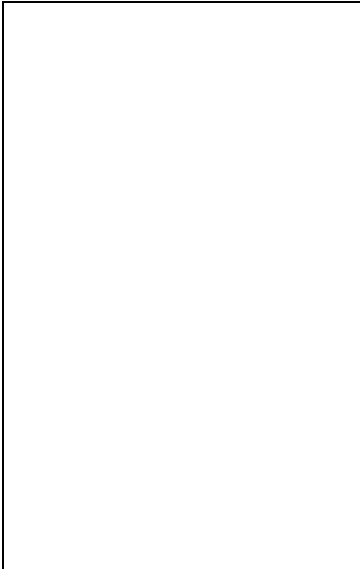
index.html



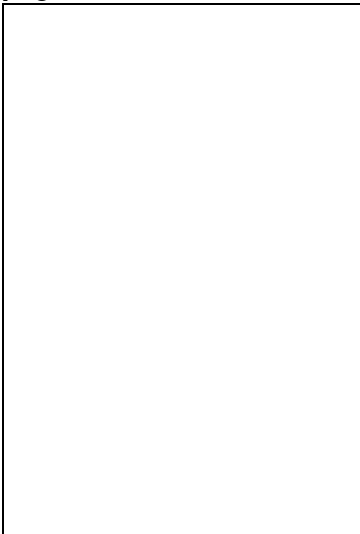
Need space between heading and nav

Captions beneath images (proximity)

page2.html



page3.html



LARGE SCREEN LAYOUT (Larger than 767px, tablet and bigger)

Design: Create the **layout** of your webpages, following the specifications that are listed.

You may attach additional pages where needed

Annotate: What element tags, styles and attributes will you use to make this? **Be very detailed.**

You may attach additional pages where needed

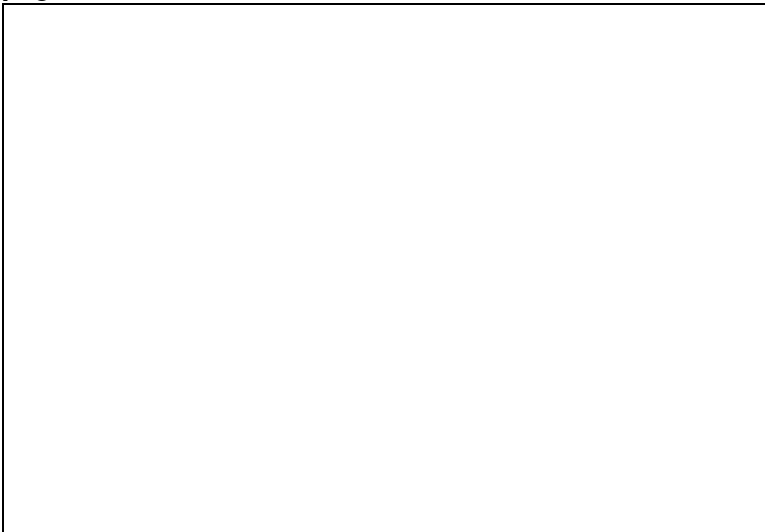
index.html



page2.html



page3.html



Extra page for planning

Outcome 1 (1.3-1.6) Make the website

1.5 Create your website files

Create a website in a text editor, the Code Avengers IDE (www.codeavengers.com/web/7) or Notepad++

- Save your index page as **index.html**
- Give your other pages and files **relevant lowercase names** and **correct file endings**.
- Create a folder for your project and store all of the files for the website in there. You should name the folder **us29788-youridnumber**.
- Original media should be saved inside the **us29788-youridnumber** root folder, inside a folder called **media**



1.3 Make, edit and style your page to meet the brief and your plan

- ☐ Include a range of **appropriate** structure/semantic tags (at least 2 from <!doctype>, <title>, <style>, <header>, <nav>, <section>, <article>, <aside>, <footer>, <figure>, <html>, <head>, <body>)
- ☐ Include a range of appropriate element tags and attributes (at least <h1> and <h2> headings, paragraphs, hyperlinks/anchors and images)
- ☐ Include CSS styles for layout (float, padding, margin), typography (font, text-decoration), and design (:hover, color, border)
*the info in brackets are examples, your CSS should use some of these and other CSS to achieve your conceptual design.
- ☐ Include interactive and responsive elements and styles to control the layout when a website is viewed in a large screen and a small screen (at least viewport and a media query)
- ☐ Have a consistent color scheme and use no more than 3 fonts.
- ☐ Be able to be viewed by people with disabilities such as visual impairment (e.g. good contrast and text size, alt attributes on images). It is accessible and readable to a wide audience.
- ☐ Must follow the W3C conventions of HTML5 (eg indenting code, lowercase, correct spacing)
- ☐ Follow copyright, health and safety, and privacy laws (use creative commons and/or reference sources)
- ☐ Be readable/legible and be proofread for spelling, grammar.
- ☐ Have text content that is original, appropriately licenced and referenced, or supplied by the teacher.

1.4 Choose and add your media elements and everything is properly referenced

- ☐ Include at least two different embedded media that are relevant to the website topic(s) and target audience e.g. sound, video, animation, images.
- ☐ Two included media **must** have been created by you or supplied by the organisation
- ☐ Follow copyright, health and safety, and privacy laws (use creative commons and/or reference sources)

1.6 Be consistent and use the principles of website layout and of information presentation.

- ☐ Consistent presentation of layout, (such as composition of elements upon the page, text hierarchy, consistent typography, balance, harmony, proportion, sequence, contrast repetition, alignment, and proximity.)
- ☐ Follow the *Principles of information presentation* (order of presentation of information, clarity, simplicity, readability, consistency and appropriateness for intended audience.)

Test the website

2.1 Have you ...	Check
Tested that all of your links work	
Tested that all images/media display correctly	
Read that the text is clear and legible, and formatted correctly	
Your code validates in the validators at http://validator.w3.org and http://jigsaw.w3.org/css-validator/	
<p>List at least 3 things that were broken/wrong with your code that you had to fix to make the website work properly.</p> <p><i>You may attach additional pages where needed</i></p>	

2.2 Have you ...	Check
Tested your website on at least 2 different sized screens?	
<i>What sizes (roughly) did you test?</i>	
Added at least 2 features to assist people with accessibility needs?	
<i>What are those features?</i>	
Tested your website on at least 2 different devices?	
<i>What devices did you use?</i>	
Tested that your website looks how it should, is easy to read and makes sense?	
<i>What devices did you use?</i>	
List at least 3 things that were broken with the text or screen display that you had to fix to make the website work properly? <i>You may attach additional pages where needed</i>	

Evaluate the website

Talk about how well your website meet its purpose.	
<p><i>What are some conventions you followed?</i></p>	
Do you think you have met the brief?	
<p>What would you improve if you had the skills/time to change things?</p>	
<p>List at least 3 things that you changed on your website to better meet the brief and the organization's target audience. <i>You may attach additional pages where needed</i></p>	

Submitting assessment online with Code Avengers

If completing this assessment online please add the correct URLs in the table below.

Your page URLs will look similar to this:

<https://www.codeavengers.com/c/id/us25656/index.html>

Your IDE URL will look similar to this:

<http://codeavengers.com/web/7?email=username@twoa.ac.nz>

If using external CSS, you might want to save a copy of the text in a public google doc and include the link.

Page	URL
Index	
Page 2	
Page 3	
Any other pages	
IDE (add your CA login email to the end)	http://codeavengers.com/web/7?email=
External CSS	