Faculty of Science, Engineering and Technology

Interface Design and Development

Warm Up Exercise: Hello World

Overview

As a first step, create the classic “Hello World” web page. This will help ensure that you have all of the software installed correctly, and are ready to move on with creating web applications.

Purpose: Install and test the tools needed to get started programming.

Task: Create your own Hello World web page.

Time: This task should be completed in your first lab class and submitted for feedback before the start of week 3.

Resources:

- Brackets code editor http://brackets.io/
- Chrome browser https://www.google.com/chrome/

Submission Details

No submission required for this task.

Make sure that your task has the following:

- The Hello World is HTML5 compliant.
- Web page is rendered accordingly.

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Instructions

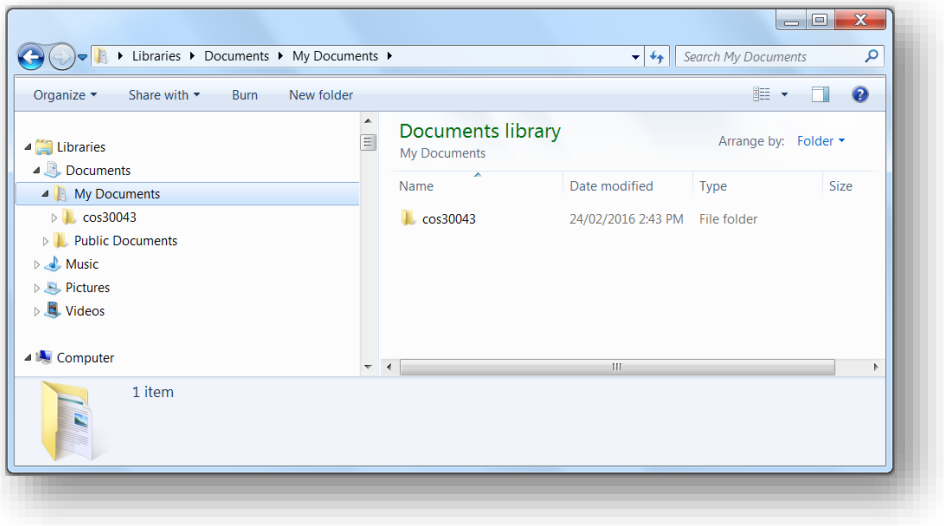
The first task includes the steps needed for you to install the tools you will need in this unit. You will then use these tools to create the 'Hello World' web page.

1. Download and install the tools you need to get started. Ensure that you have:
   - Installed Brackets (http://brackets.io/)
   - Installed Chrome browser (https://www.google.com/chrome/)

Note: You can also use other text editor such as Notepad++, which is already installed in the Swinburne lab. Chrome is currently the only browser supported by Brackets' Live Preview function.

Tip: As the university's Mercury server access now requires Swinburne Australia's SIMS account, XAMPP server would be used throughout this semester.

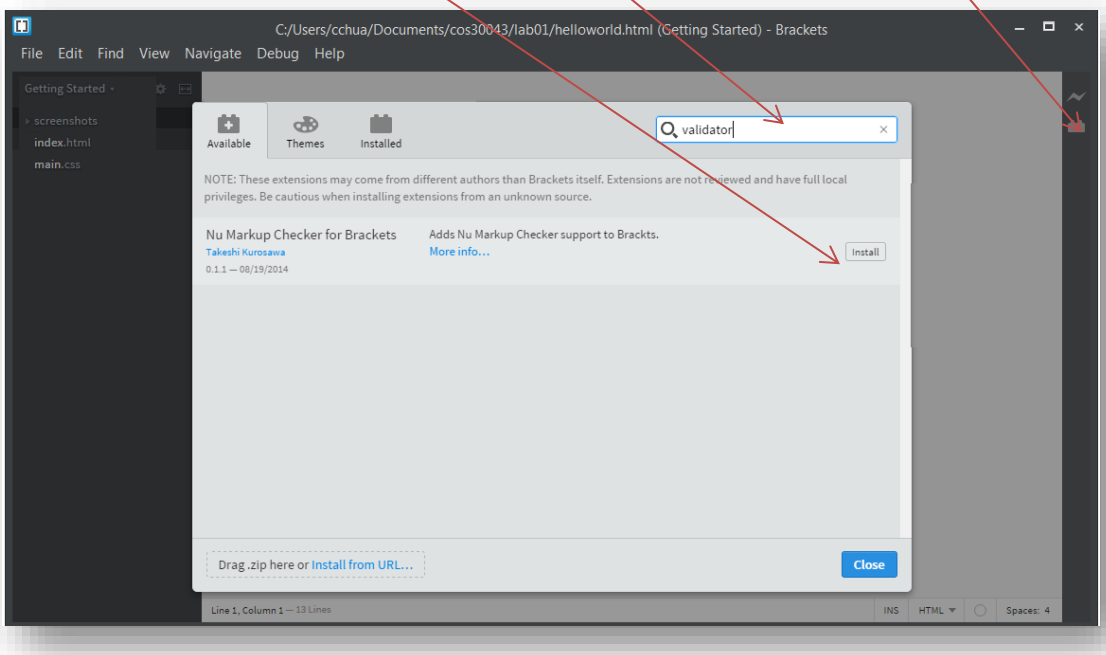
2. If you don't already have one, make a directory (i.e., a 'folder') to store your code (e.g., Documents/Code/Lab1). On a Swinburne computer you may wish to use a directory on your student drive or a USB storage device **as files in the computer local storage would be deleted once logged off**.
   - Navigate to your Documents directory in Finder or File Explorer
   - Right click in the Documents directory and select New Folder, name it cos30043



Tip: You can create sub-folders for each lab such as lab01 inside cos30043 to facilitate file organisation.

3. Open Brackets and install the NU Markup checker.

- Click on Extension
- Type 'validator' into the search box
- Once located, click install



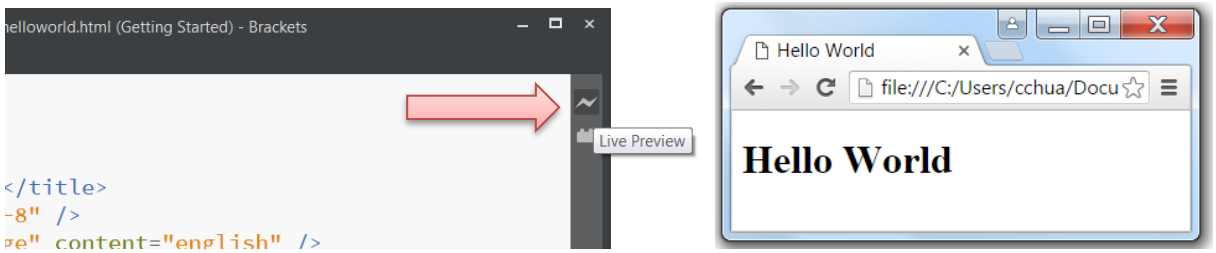
4. Create a new file and enter the code for the Hello World program. It should appear shown here.

Note: Brackets should highlight different parts of your code in different colours once you save it as .html file. There should also be a green check mark at the lower right corner to indicate HTML5 compliance.

5. Save the file as helloworld.html in your directory.

> **Note:** The html file will be interpreted and rendered into a webpage when open by a browser.

6. Click on the Live Preview icon to view the web page. (If the changes is not reflected in Live Preview, save the file in Brackets)



Now that the Task is complete.

7. Now, remember to save the document and backup your work to multiple locations!

- Once you get things working you do not want to lose them.
- Work on your computer's storage device most of the time... but backup your work when you finish each task.
- Use Dropbox or a similar online storage provider, as well as other locations.
- Canvas is not a Backup of your work, so make sure you keep a copy!
- A USB keys and portable hard drives are good secondary backups... but can be lost/damaged (do not rely upon them).

You now have your first portfolio piece. This will help demonstrate your learning from the unit.