

# CSC8498 - Project and Dissertation Questionnaire

## Confidentiality

Your responses are voluntary and will be confidential.

Responses will not be identified by individual.

All responses will be compiled together and analyzed as a group.

If you wish, you can contact us and retract your submission at any point.

If you have any questions or concerns, please contact Chloe Sunter at C.Sunter@ncl.ac.uk

I have read the above statement, understand the terms, and agree to continue \*



Yes, I agree

About you

This section is about your experience with web development

How much web development experience do you have \*

None

1 ☐

2 ☐

3 ☐

4 ☒

5 ☐

Lots

Where did you begin learning web development skills? \*

- ☐ Primary School
- ☐ Secondary/High School
- ☐ Sixth Form/College
- ☐ University
- ☒ I taught myself using external resources
- ☐ Other: .....

If you chose "I taught myself using external resources" or "other" in the previous question, please briefly explain further. What age were you? What kind of resources did you use? etc?

Did a little in secondary and learnt XHTML (for some unknown reason) at Uni. but used code academy and personal react projects this year to learn web dev and build some projects.  
.....

What web development languages/frameworks have you had experience with? \*

Select **\*\*NONE\*\*** if you haven't used any language before

- ☐ **\*\*NONE\*\***
- ☒ HTML
- ☒ CSS
- ☐ SCSS
- ☒ Javascript
- ☒ React
- ☐ Vue
- ☐ Angular
- ☒ SQL
- ☒ Java
- ☒ C#
- ☒ Python
- ☐ PHP
- ☒ Typescript
- ☐ Ruby

☐ Swift☐ Other: .....

### WebDev Application

Please go to the online tool using the link below and try it out!

<https://chloe-661.github.io/CSC8498Coursework/>

This tool is aimed at beginners to web development and is supposed to be used primarily as a teaching aid for younger students (approx. secondary school age). So please approach this task with the mentality that you are a young student that is perhaps using this tool in a classroom.

If it is possible, please try and complete a run through of the main game in Co-Op mode. You can work in groups of up to 4 people. If you work in a group, please fill out this questionnaire individually.

Please keep in mind that this is just a demo

### Design & Usability

How easy was it to access the site? \*

Really hard

1 ☐

2 ☐

3 ☐

4 ☒

5 ☐

Really easy

How easy was it to navigate through the site? \*

Really hard

1 ☐

2 ☐

3 ☐

4 ☒

5 ☐

Really easy

How easy was it to see and read the text on the site? \*

Really hard

1 ☐

2 ☐

3 ☐

4 ☒

5 ☐

Really easy

Did you like the theme? \*

☒ Yes

☐ It was ok

☐ No

☐ Other: .....



Do you think the theme would appeal to the target audience of young students? \*

- ☒ Yes
- ☐ Maybe
- ☐ No

Do you think the theme would appeal to the additional target audience of adults that are new to programming? \*

- ☒ Yes
- ☐ Maybe
- ☐ No

Is there anything you would change to make the site easier to use?

To improve the website's usability for learners, several enhancements could be made. Firstly, optimizing the website for mobile and tablet devices would allow users to learn on the go or on devices available to them. Increasing the text size to improve readability for elements like the code to join the session and incorporating ARIA tags would improve inclusivity and allow for all to collaborate. Removing the "Pick Your Language" menu when only one option is available would result in a better and smoother user experience. Adding functionality to the options list, such as sorting and prioritizing available courses (and maybe making them a more distinct), would make the experience better. Using a distinct color for user input blanks would improve their visibility and make them more identifiable partially for dyslexics. Maybe instead of a code, instead a link would be easier for group work as it means there's no chance someone spells it wrong or has a different similar looking character for example:

Latin Capital Letter O (U+004F): O

Cyrillic Capital Letter O (U+041E): О

Greek Capital Letter Omicron (U+039F): Ο

Do you have any further comments on the design and usability of the tool?

Overall the website layout and theming is great! the overall experience feels complete and was a smooth easy to use experience. sorry for the nitpicking just do a little bit of webdev at work.

## Content

Which mode(s) did you try? \*



Solo



Co-op

How easy did you find the "fill-in-the-blanks" tasks \*

Really hard

1 ☐

2 ☐

3 ☐

4 ☐

5 ☒

Really easy

How easy did you find the "find-the-errors" tasks

Really hard

1 ☐

2 ☐

3 ☐

4 ☒

5 ☐

Really easy

How easy did you find the "type-the-code" tasks \*

Really hard

1 ☐

2 ☐

3 ☒

4 ☐

5 ☐

Really easy

Do you agree that there was a good variation of task types? \*

☐ Strongly Disagree

☐ Disagree

☒ Agree

☐ Strongly Agree

Do you agree that the tasks were split fairly between each role/language? \*

- ☐ Strongly Disagree
- ☐ Disagree
- ☒ Agree
- ☐ Strongly Agree

Were you aware that the tasks worked together to build something you would use in the real world? \*

- ☒ Yes
- ☐ No

Do you agree that there was a good variation between the senario tasks and the practice tasks? \*

- ☐ Strongly Disagree
- ☐ Disagree
- ☒ Agree
- ☐ Strongly Agree

If you disagreed in the previous question, please explain further

.....

Please give your thoughts on how effective you think this tool would be to help you to learn and practice web development languages

I feel like you need some grounding in the concept before you could use this tool but it is a good way to sure up your knowledge if you have freshly learned concepts.

.....

Do you agree that this tool would be useful in classroom to practice content that been taught? \*

- ☐ Strongly Disagree
- ☐ Disagree
- ☒ Agree
- ☐ Strongly Agree

If you disagreed in the previous question, please explain further

.....

Is there anything you would change?

.....

Please give any further thoughts on what you enjoyed/liked or didn't like about this tool

maybe break the excercise down more as excerise like 'Setup the Database' felt scary. Also I know it is out of scope of this project but great future work would be adding some learning or lessons allong side the challenges soo if you get stuck you can direct to them.

.....



## Solo

Please only fill this in if you attempted the game on Solo

How easy did you find it to complete all tasks by yourself?

Really hard

1 ☐

2 ☐

3 ☐

4 ☐

5 ☒

Really easy

Considering the time it took to complete all the tasks, how would you describe the experience

It took way too long

1 ☐

2 ☐

3 ☒

4 ☐

5 ☐

It was too short

Is there anything you would change about this mode?

maybe add a leader board to make it more competitive and randomise the challenge each time would be good for replayability.

Co-Op

Please only fill this in if you attempted the game on Co-Op

How easy did you find it to start/join a session with your friends?

Really hard

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

Really easy

Were there any issues when trying to join a session?

☐ Yes

☐ No

If you answered "Yes" to the question above, please explain further

.....

Were there any issues that occurred during the session?

☐ Yes

☐ No

If you answered "Yes" to the question above, please explain further

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Considering the time it took to complete all of your tasks, how would you describe the experience

It took too long

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

It was too short

Was there ever a time period where you had nothing to do as all your tasks were either done or locked by another task?

- ☐ Yes
- ☐ No

Do you agree that working together helped to increase the enjoyability of the tool?

- ☐ Strongly Disagree
- ☐ Disagree
- ☐ Agree
- ☐ Strongly Agree

If you answered "Disagree" or "Strongly Disagree" to the question above, please explain further

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Is there anything you would change about this mode?

Untitled section

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