Pichy Jumpholwong & Zac Nakamura Lab 4 4/19/22 Task 1: Pseudocode of an Everyday Task

How to Take the Bus from UCSC to Trader Joe's 1. Make sure you have your student id and mask. 2. Take any of the metro busses to downtown, except the 22. Make sure the bus doesn't say "LOOP". 3. Get off at the metro station, which is the very last stop. 4. Go north up Front St. until you arrive at Front St. and Soquel Ave. 5. You made it! Have fun shopping!

Our pseudocode of an everyday task.

Task 2: Pseudocode a Computer Task

N-Queens Problem 1. Print the board. 2. Take the user input. Input any number 3. Validate the user input. 4. Evaluate available spaces on the board. 5. Print all possible solutions.

Our pseudocode of a computer task

Task 3: Turn pseudocode into comments:

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Inbis

1 // Creating and practicing pseudocode for a game.

2 // The n-queens problem finds the amount of different ways queens can be placed on a chessboard

3 // so that non of them can attack each other.

4 // @link URL

5 // @file This files defines the pseudocode for n-queens problem.

6 // @author Zac Nakamura and Pichy Jumpholwong.

7 // @since 4.15.22

8

9 // Print the board.

10 // Take the user input.

11 // Input any number

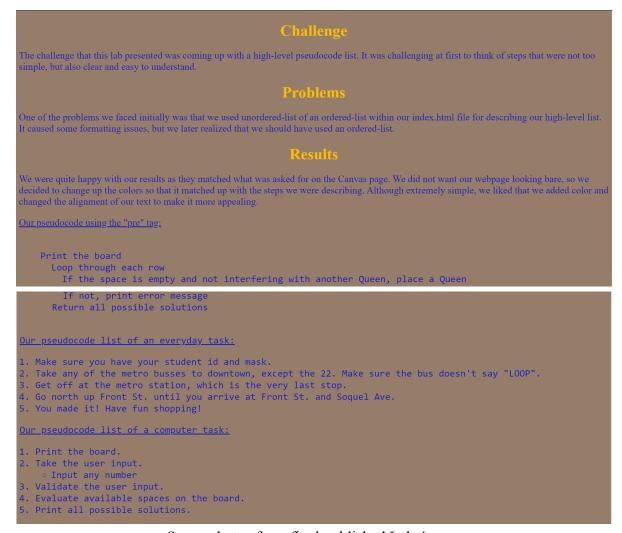
12 // Validate the user input.

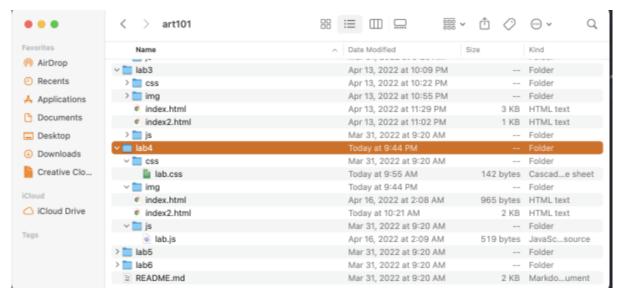
13 // Evaluate available spaces on the board.

14 // Print all possible solutions.
```

Screenshot of our pseudocode in JavaScript file

Task 4: Create an index.html for Lab 4





Screenshot of our Lab 4 file structure

Self-Evaluation Rubric:

Self Evaluation Rubric (Pichy Jumpholwong and Zac Nakamura)						
Did you complete the assignment and did you complete it on time?	Submitted on time	Up to 1 day late	Up to 2 days late	Up to 3 days late	4 days late or more	Do you need to clarify?
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Did you collaborate with a partner?	Worked with partner			Worked alone		Do you need to clarify?
	V			П		
Did you put in earnest effort and provide an articulate summary of your experience?	Excellent	Pretty good	About average	Could be improved	Not this time	What supports this?
	V	Д	므	Д	므	
Was the assignment complete, with minimal errors, correct output, and good style?	<u>Excellent</u>	Pretty good	About average	Could be improved	Not this time	What supports this?
	V	므	므	旦	므	
How much EXTRA effort did you put into the assignment?	A lot of extra effort		Some extra effort		Not this time	What supports this?
	V		Д		旦	

Summary of your evaluation/efforts:

We both met in person to work on this lab side by side. In order to come up with an everyday task, we both brainstormed an idea that we felt everyone could relate to. We both ensured that whilst we were writing our pseudocode, we looked and tested each other's websites so that everything was correct and matched. Although sitting next to each other might minimize this, it was important that we both revised each other's code as small mistakes can occur. Because we did not want a plain black and white webpage, we decided to add yellow and blue colors so that it not only looked appealing but it also looked like it matched our everyday task. Together, we looked at different hex color codes and browsed around to see which shade of yellow and blue looked best. It was great for us to actually browse different colors as the first ones we see will not always be fit, and testing for code is great practice in general. In order to be inspired by a game to write pseudocode for, we decided to look at past coding projects that would be a great fit for it. It helped us remind and refresh our memory about pseudocode and how things can be structured.