Synopsis and Pseudocode

Update the date and time:

- Get the current date and time.

- Format it nicely.

- Show it on the webpage.

- Keep updating it every second.

Handle the pain scale slider:

- Find the slider and the display box.

- If both exist, show the slider's value.

- When the slider moves, update the display.

Check if passwords match:

- Get the password and confirm password inputs.

- If the confirmation field is empty, clear the message.

- If both passwords match, show a green "Passwords match!" message.

- If they don’t, show a red "Passwords do not match!" message.

Validate the password strength :

- Get the password input.

- If empty, clear the message.

- If it meets the strength rules (at least 8 characters, with uppercase, lowercase, and a number), show a green "Strong password!" message.

- Otherwise, show a red warning that the password needs to be stronger.

Validate the email format:

- Find the email input field.

- If it doesn’t exist, skip this step.

- If the email is empty, clear the message.

- If it looks like a proper email, show a green "Valid email" message.

- Otherwise, show a red "Invalid email" message.

When the page loads

- Find the form, password, confirm password, and email fields.

- If the password field exists:

- When typing, check if it’s strong.

- If there’s a confirm password, also check if they match.

- If the confirm password field exists, check for a match while typing.

- If the email field exists, check if it’s valid while typing.

- If the form exists:

- When someone tries to submit:

- Make sure the email is valid.

- Make sure the password is strong enough.

- Make sure the passwords match.

- If anything is wrong, show an alert and stop the form from being submitted.

I had a lot of issues with and still have issues understanding when and why to use the span and div tag if I am honest. I also had a lot of issues with figuring out what the javascript does that I took from the professor I recognize the for loop and what it does but looking at it alone there are so many calls that I do not understand. Do I have to put the event listener on everything or at least it feels like I added it to everything T-T. I think I did the pseudocode really bad or at least it does not look like what the professor did in class, but I do not want to do more work since its about to be spring break.