Project 2A.2: Planning Document

Steps to write in narrative form

Project 2A

- Write a planning document
  - List project requirements
  - Show PERT chart
  - Include a list of inputs and outputs with names, aka “Data Dictionary”
  - Write a narrative with code snippets explaining what the steps are and what you are going to do.

See examples at the end

Project Requirements

- Project 2A
  - Write questions and answers
    - Eight fill-in-the-blank questions and answers
    - One multiple-choice question with only one correct answer
    - One multiple-choice question with multiple correct answers
  - Build page with HTML
    - Write a GUI with eight textboxes for the fill-in-the-blank questions
    - Add a submit button

Project Requirements

- Project 2B
  - Add image with a rollover effect
  - Add multiple-choice questions
  - Display the quiz score
  - Depending on the score:
    - Display the Good Work! Or Study More! page with close button
    - Change the background color of the quiz page

Project Requirements

- Project 2B
  - Code with JavaScript
    - Add an image with a rollover effect
    - Grade the quiz
    - Display the quiz score
    - If the score is over 6,
      - Display the Good Work! page with close button
      - Change the background color of the quiz page
    - Else
      - Display the Study More! page with close button
      - Change the background color of the quiz page

PERT

- Add this drawing to your planning document

Write questions & answers

Build GUI

Declare Score Variable

Code Compare Functions

Code Display Score

Code Display Comment

Build Rollover

Primp & Coolify

Write 2 Comment pages
Project 2A

- GUI—need basic HTML structure
  - Download from course calendar
- Form—HTML coding
  - `<form action=""></form>`
- Text boxes—HTML coding:
  - `<input type="text" name="question1">`
- Submit button—HTML coding
  - `<input type="submit" value="Submit">`

Project 2B

- Comment page—basic HTML coding
  - Download from course calendar
- Close button
  - `<input type="button" name="closeWindow" value="close window" onclick="javascript:window.close()" />`
- Multiple-choice questions—need HTML
  - Multiple correct answers
    - Checkboxes—find HTML at W3 Schools
  - Single correct answer
    - Radio buttons—find HTML at W3 Schools

Project 2B

- Add an image with a rollover effect
  - Images—find or create two
    - Copyright-free
    - Images must be same size
    - Background should not be transparent
  - Image Rollover replaces Submit Button
    - `<img name="gradeImg" src="Up.JPG" width="40" height="20" onmouseover="buttonDown()" onmouseout="buttonUp()" onclick="getGrade()" />

Project 2B

- Grade the quiz—create function
  - Declare variable score
  - Compare student answers with correct answers—conditional statements if-else
    - Grade textbox answers—learn how to move through form elements
    - Grade checkboxes—learn how to handle checkboxes
    - Grade radio buttons—learn how to handle radio buttons
  - Add to score when answer is correct
  - Display the score

Project 2B

- Display comment page based on score
  - Need to write function to compare score to 6
    - If the score is over 6
      - Display the Good Work! page with close button
      - Change the background color of the quiz page
    - Else
      - Display the Study More! page with close button
      - Change the background color of the quiz page
  - Need code to open comment page in new window
  - Need code to change background color of page
Project 2B

Final step

• Primp and “coolify”

Describe how you will make your quiz special:
  • Add cool features?
  • Add images?
  • Add a cool “skin”?
  • Improve the user experience?
  • Or ________?

The Narrative

• As you can see, you don’t need to know all the information
• Include what you already know and what information you will need to find
• You won’t know “everything” until your project is done!

Example for this Step

• Display comment page based on score
  • Need to write function to compare score to 6
    • If the score is over 6
      – Display the Good Work! page with close button
      – Change the background color of the quiz page
    • Else
      – Display the Study More! Page with close button
      – Change the background color of the quiz page
  • Need code to open comment page in new window
  • Need code to change background color of page

Example Narrative

Depending on the score, a comment page will open in a new window. If score > 6, the page will be good.html, else study.html. Also, if the scores > 6, the background of the quiz page will change to ______, else ______.

A function will be developed to compare the quiz score with 6. I will need to find and include code to open the comment page in new window and to change the background color of the quiz page.