


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

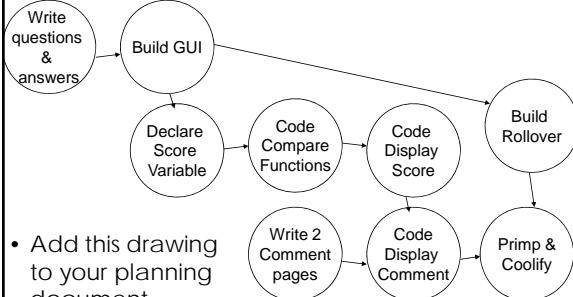


Project Requirements

- 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



```

    graph TD
      A((Write questions & answers)) --> B((Build GUI))
      B --> C((Build Rollover))
      B --> D((Declare Score Variable))
      D --> E((Code Compare Functions))
      E --> F((Code Display Score))
      F --> G((Code Display Comment))
      H((Write 2 Comment pages)) --> G
      G --> I((Prim & Coolify))
    
```

- Add this drawing to your planning document



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
 - http://www.w3schools.com/html/html_forms.asp
 - * 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
 - ``



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

- | | |
|---|--|
| <ul style="list-style-type: none"> • Inputs <ul style="list-style-type: none"> * Array of quiz answers * User input from form elements array * Click event on submit button * Mouseover on rollover image | <ul style="list-style-type: none"> • Outputs <ul style="list-style-type: none"> * Final score * Comment pages <ul style="list-style-type: none"> • Good job! • Study More! * Change bgcolor based on 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