

Final Project: Code Documentation

I dedicated my page to "The Hunger Games," the first book in a popular series. This webpage utilizes a combination of HTML (Hypertext Markup Language) for structure, CSS (Cascading Style Sheets) for styling, and JavaScript for interactivity.

1. First Part: HTML "index.html"

The code begins with the `<html>` tag, enclosing all the webpage's content. The `<head>` section contains essential information for the browser, including the webpage's title, character encoding, and viewport settings. The `<link>` tag connects an external CSS file named "styles.css" to control the webpage's visual appearance.

Inside the `<body>` section, the webpage is divided into distinct parts using various HTML tags. The `<header>` contains a heading with the title "The Hunger Games," establishing the central theme. A `<div>` with the class "section1" wraps several elements, including a paragraph introducing the book using the `<p>` element, an image of the book cover using the `<a>` element, a subheading "Summarize," and a summarized description of the story. The story introduces the protagonist Katniss Everdeen, her sister Prim, and the cruel concept of the Hunger Games.

2. Second Part: CSS

The code begins by styling the entire webpage's `<body>` element. It specifies that the text within the body should use the "Arial" font or a similar sans-serif font. Additionally, it sets the margin and padding values to zero. This ensures that the content is positioned neatly without unnecessary gaps or spacing around the edges.

Moving on, the code targets the `<header>` element, it gives the header a background color of green, making it catch the eye. The padding property adds space inside the header to separate its content from the edges. The text-align property centers the content horizontally within the header, aligning it nicely.

Inside the header, specifically the `<h3>` element, the text color is set to white. This choice of color ensures that the heading stands out clearly against the green background, enhancing readability.

The `<div>` element with the class "section1" is styled to provide structure and visual appeal. It's given a maximum width of 600 pixels, and the margin property centers it horizontally on the page. The padding property creates spacing around the content inside the section. The text-align property centers the content within this section, ensuring everything looks balanced.

Images on the webpage are treated for consistent display. The max-width property is set to 100%, ensuring that the image adjusts its size to fit its container while maintaining proportions.

Margins below images provide breathing space. By using `display: block` and `margin-left: auto; margin-right: auto;`, the images are centered horizontally.

Paragraphs (`<p>`) are styled with bottom margins for spacing and center alignment. Buttons are transformed with a green background color and white text color, making them visually striking. The `cursor: pointer` property makes the cursor change to a hand icon when hovering over buttons, indicating interactivity.

When users hover over buttons, the `button:hover` selector maintains the green background color, reinforcing the button's active state. Finally, all `<h3>` headings are centered using the `text-align` property.

### 3. Third Part: Javascript

The code uses the `getElementById()` method to target specific HTML elements by their IDs. The code targets buttons with IDs "buyButton," "viewMore," "back," and "continue."

When the "Buy Now" button is clicked, the `addEventListener()` method adds an event listener. This listener waits for the button click event. When the button is clicked, the function inside the curly braces is executed. The function's purpose is to redirect the user to the page named "payment.html." This is achieved using `window.location.href`.

Similarly, the "View More" button click event is also listened for. When clicked, the user is redirected to a different page named "viewMore.html."

The "Back" button works in a similar fashion. When clicked, it redirects the user to a page named "index.html," which is the website's main page.

The "Continue" button click event triggers a function that displays an alert saying "Thank you for purchasing 'The Hunger Games!'" This function also serves as a placeholder for more complex actions that might occur when a purchase is confirmed, such as redirecting to a payment page.

### 4. Four Part: Payment "payment.html"

The HTML code starts with the `<html>` tag, enclosing the entire webpage content. The `<head>` section contains important information about the page, including its title, character encoding, and viewport settings for responsive design. The `<link>` tag connects an external CSS file named "styles.css" to style the page's appearance.

The `<body>` section holds the page's visible content. It begins with a heading `<h2>` that announces the purpose of the page: making a payment for the book "Hunger Games: First Book." The following paragraphs provide information about the payment, including the amount before taxes, taxes themselves, and the final amount to be paid.

A form element with the class "form" follows the payment information. Inside this form, there are several labeled input fields. Each field collects specific details required for the purchase: first name, last name, email address, and credit card information. The for attribute in the <label> tags associates the label with the corresponding input field. This helps users understand what each input field is for.

After the form, a button with the ID "continue" is provided. This button serves as a submission mechanism for users to continue the payment process. Once users have filled in their information, clicking this button a thank you page will show up.

The code also includes a <script> tag linking to an external JavaScript file named "script.js."

## 5. Fifth Part: View More

The HTML code starts with the <html> tag, encapsulating the entire webpage content. The <head> section includes important information about the page, such as its title, character encoding, and responsive design settings. The <link> tag connects an external CSS file named "styles.css" to define the page's appearance.

The <body> section contains the visible content of the page. It begins with a <header> element, housing a heading <h3> that introduces the theme of the page: summarizing chapters from "The Hunger Games."

The content of the page resides within a <div> element with the class "section1." Inside this section, chapter summaries are presented using multiple <p> (paragraph) elements. Each paragraph provides a concise overview of a chapter, accompanied by its title.

Towards the end of the chapter summaries, a button with the ID "back" is provided. This button serves as a navigation tool, enabling users to go back to a previous page which would be the main page.

The code also has an external CSS file named "styles.css," linked to it which is responsible for styling the webpage's appearance, making it visually appealing and easy to read. Similarly, the <script> tag links an external JavaScript file named "script.js."