CSS PROJECT

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202001861

WM6004 – Web Authoring 2

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Project Introduction

The goal of this project is to create a visually appealing, interactive and multimedia rich one page website for a bookstore. Utilizing HTML5, CSS3 and JavaScript, the website will offer an engaging user experience with seamless navigation, dynamic content and interactive features. The project intends to display the bookstore's inventory, emphasize featured books, responsive design, and multimedia elements such as images, videos and interactive components to boost user engagement. The end result will be a user-friendly web application that embodies the spirit of the bookstore while displaying industry best practices in front-end web development.

Target Audience

1. **Book Enthusiasts**: Individuals who love reading and are looking for a seamless browsing and purchasing experience for their favorite books.
2. **Students & Academics**: Learners, researchers and educators seeking educational resources, textbooks and reference materials.
3. **Casual Readers**: Those who occasionally read and are looking for recommendations, bestsellers and trending books.
4. **Parents & Children**: Families searching for children's books, educational content and storybooks.
5. **Authors & Publishers**: Writers and publishers who want to showcase their books and engage with potential readers.
6. **Online Shoppers**: Customers who prefer to purchase books online with a user-friendly and visually appealing shopping experience.

Design decisions

User experience:

1. Visual Design & Readability

- **Color Theory for Emotional Impact**

The warm earthy tones (brown, beige, cream) create a welcoming and cozy atmosphere, enhancing the emotional connection with books and reading.

These colors reduce eye strain, making it comfortable for users to browse for extended periods.

- **Typography & Readability**

Large, bold headlines ensure users can quickly scan and understand the website's purpose.

Black text on a light background follows contrast and accessibility guidelines, ensuring readability for all users, including those with visual impairments.

2. Navigation & Information Architecture

- Clear menu structure follows UX navigation best practices, making it easy for users to find information.
- Centered text and well-spaced sections make scanning information effortless, reducing cognitive load.
- The "Listen to an Excerpt" section provides a multisensory experience, catering to auditory learners and improving accessibility.

3. Interaction & Engagement

- **Book Listings with a 3x2 Grid Layout**

Books are arranged in a balanced, structured way, making browsing smooth.

Ensures a consistent user experience across different screen sizes.

4. Accessibility & Inclusivity

- Text and images are clearly separated, ensuring that users with screen readers can navigate smoothly.
- Light background for text sections (e.g., welcome message) ensures readability for users with dyslexia or visual impairments.
- Audio integration ("Listen to an Excerpt") makes the site accessible for those who prefer listening over reading.

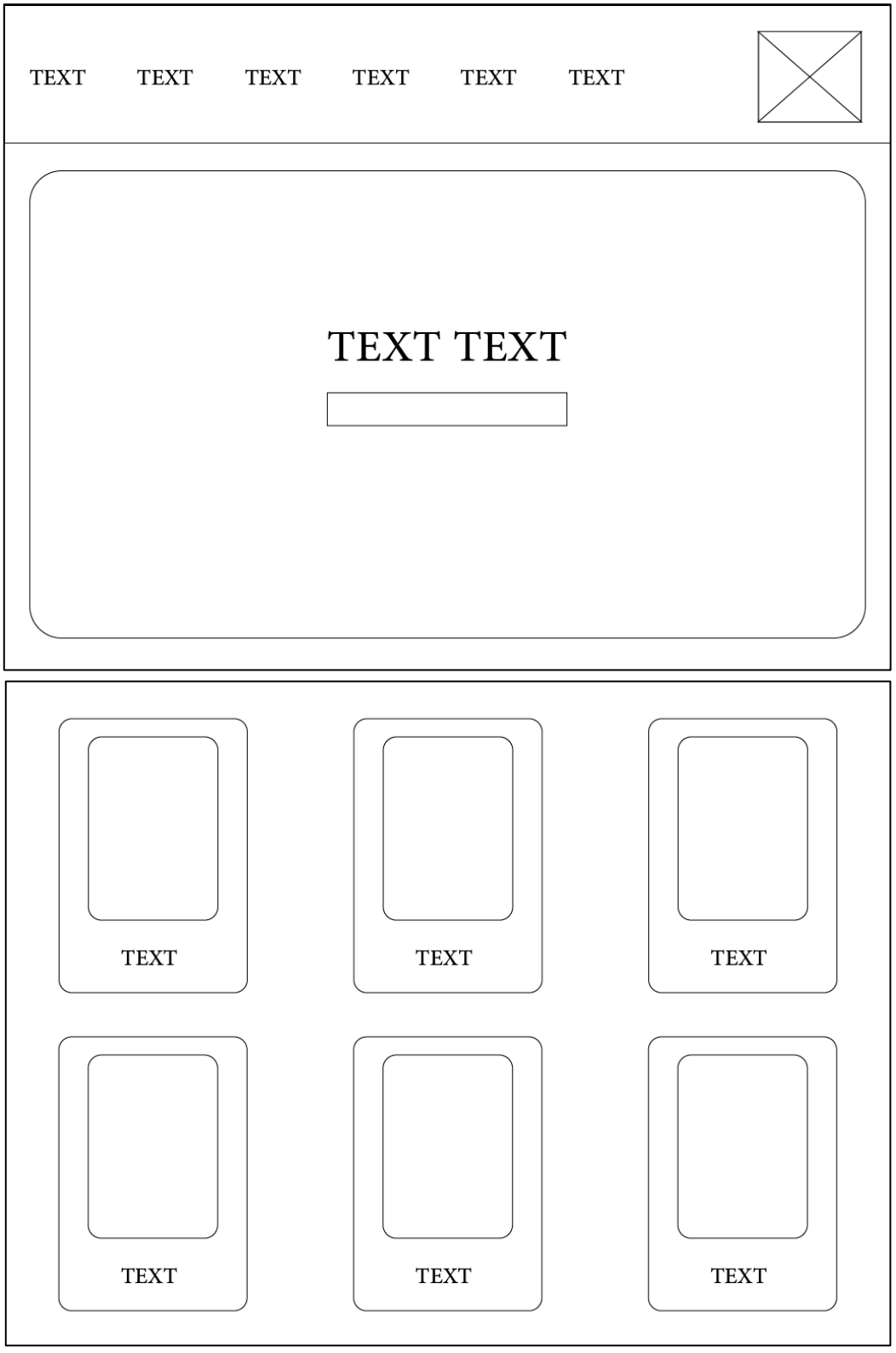
Design:

1. **Color Theory & Accessibility**
    - The chosen color palette consists of earthy, warm tones like brown and beige. These colors are often associated with books, libraries and a cozy reading atmosphere, which enhances the emotional connection of users with the website.

- The contrast between the text and background ensures readability, following (Web Content Accessibility Guidelines). The black text on a lighter background makes reading easier for users with visual impairments.

2. **Hierarchy & Readability**
    - The use of large, bold headlines "WELCOME TO READERY" follows visual hierarchy principles, guiding users' attention to key sections.
    - The text-shadow effects and uppercase letters improve visibility, making navigation more intuitive.
    - The spacing and layout ensure that content is easy to scan, reducing cognitive load and improving user engagement.

Mockups


TEXT
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TEXT TEXT
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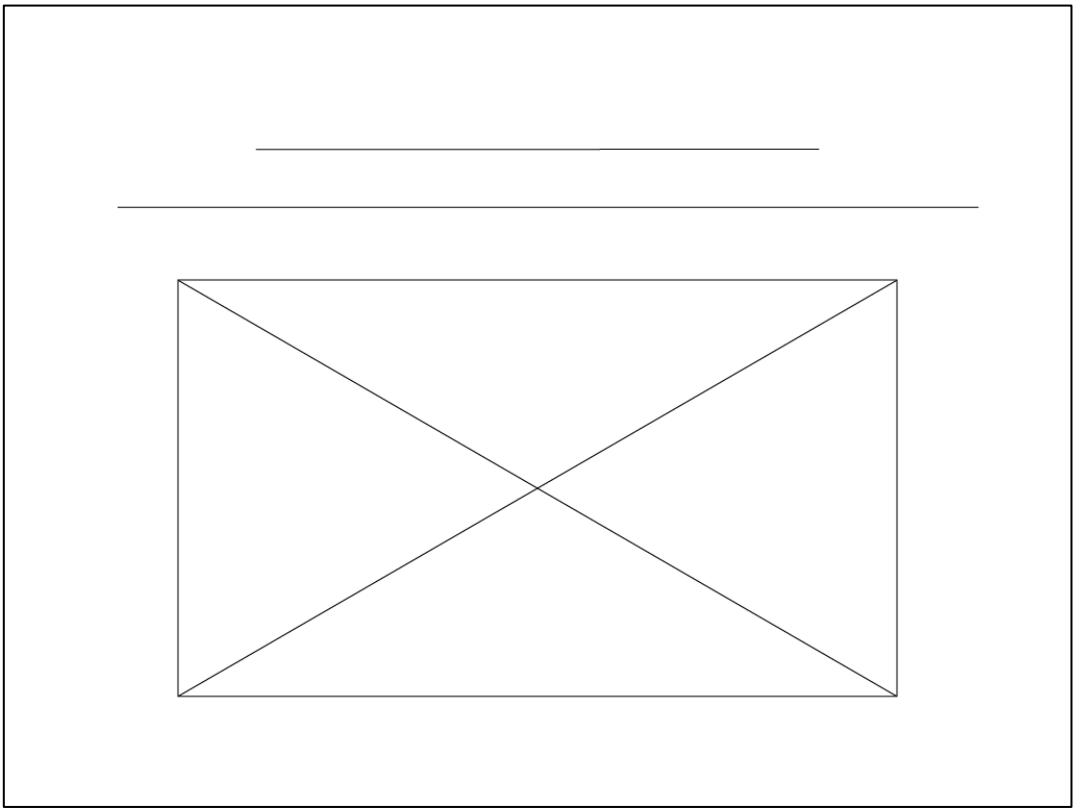

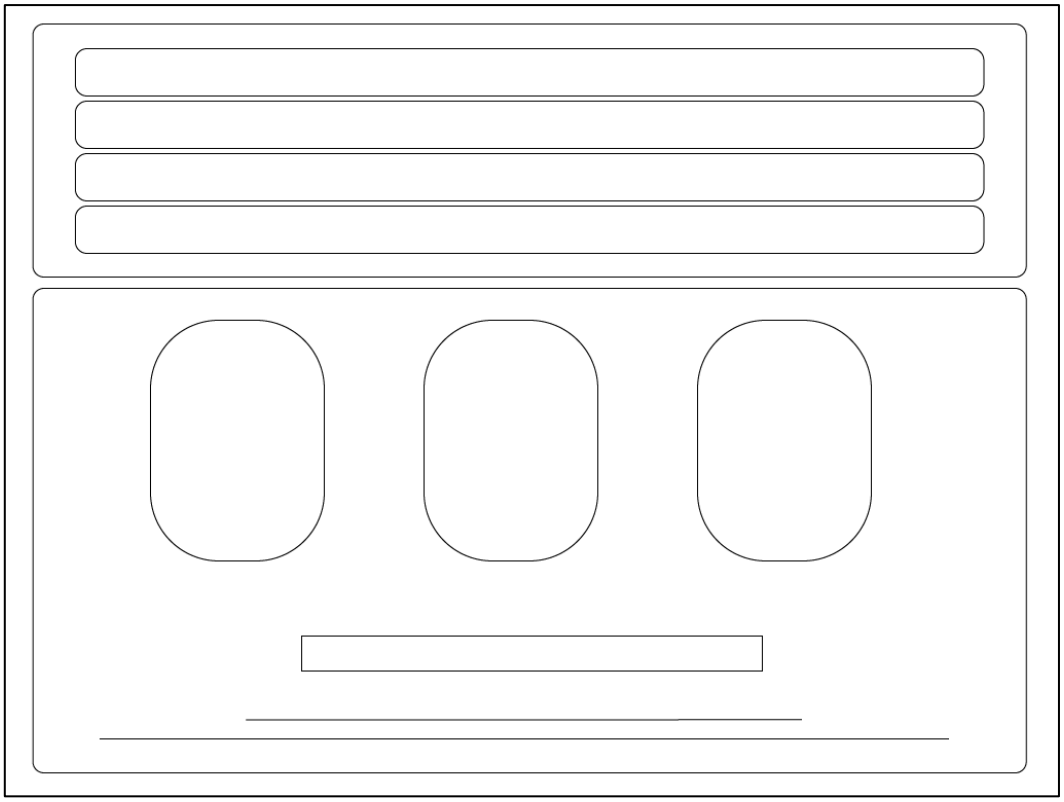

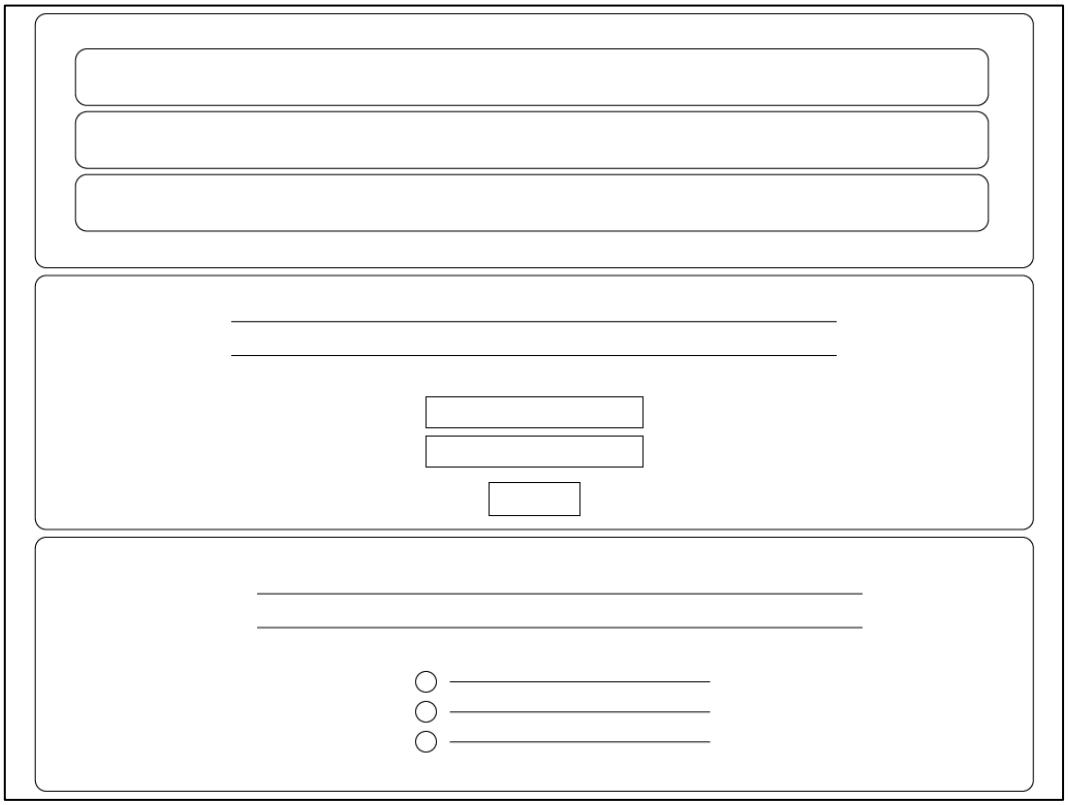

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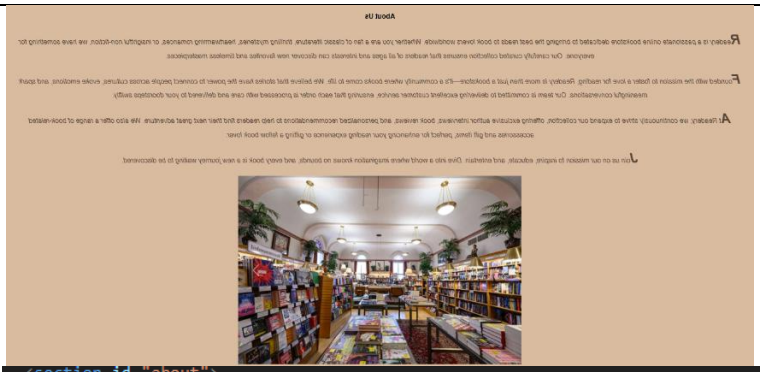
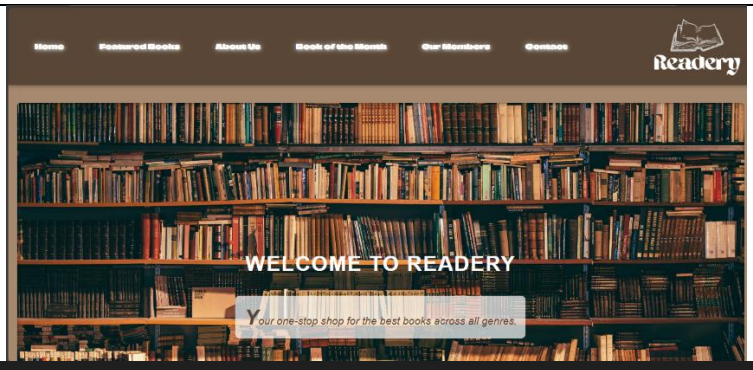
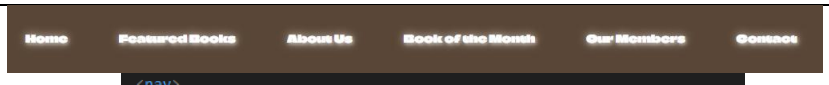
WM6004 - A1

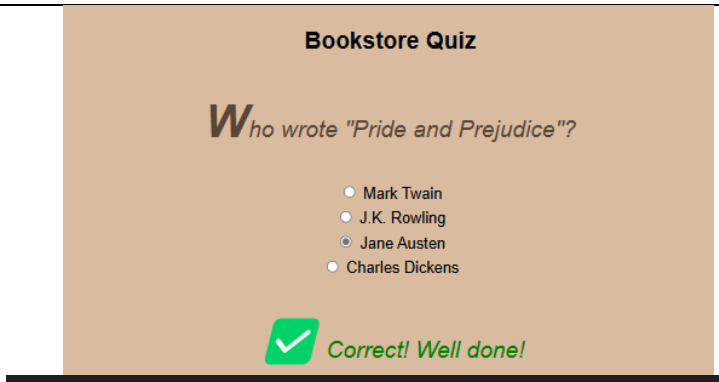
Evidence:

SEO
 	
Semantic HTML
	Index.html	
		`<section id="about">`
		`  <h2>About Us</h2>`
		`  <p>Readery is a passionate online bookstore dedicated to bringing the be`
		`  <p>Founded with the mission to foster a love for reading, Readery is mor`
		`  <p>At Readery, we continuously strive to expand our collection, offering`
		`  <p>Join us on our mission to inspire, educate, and entertain. Dive into`
		`  <figure>`
		`  <img src="image/readery.png" alt="Readery Store" width="600">`
		`  <figcaption>Our bookstore where stories come to life.</figcaption>`
		`  </figure>`
		`</section>`

SEO
 	
Keyword Optimization
	Index.html	
		
		`<meta charset="UTF-8">`
		`<meta name="viewport" content="width=device-width, initial-scale=1.0">`
		`<title>Readery - One Page Bookstore</title>`

Web Accessibility Alt Text for Images	Index.html	 `<img src="image/logo.png" alt="Readery Logo" class="logo">`

Web Accessibility
 	
Focusable Elements
	Index.html	
		
		`<nav>`
		`  <ul>`
		`  <li><a href="#welcome">Home</a></li>`
		`  <li><a href="#featured">Featured Books</a></li>`
		`  <li><a href="#about">About Us</a></li>`
		`  <li><a href="#book-of-the-month">Book of the Month</a></li>`
		`  <li><a href="#members">Our Members</a></li>`
		`  <li><a href="#contact">Contact</a></li>`
		`  </ul>`
		`</nav>`

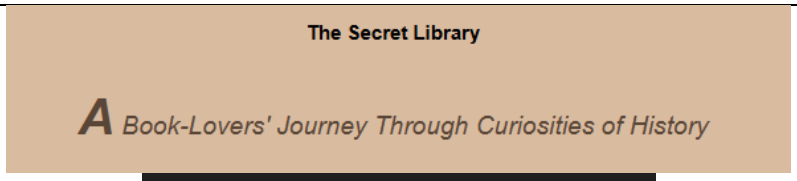
<table>
<tr>
<td>Quiz</td>
<td>Script.js</td>
<td> 


```
// Quiz Functionality
const quizForm = document.getElementById("quizForm"); // Get quiz form
const resultText = document.getElementById("quizResult"); // Result message

quizForm.addEventListener("change", function () {
    const answer = document.querySelector('input[name="quiz"]:checked').value; // Get selected answer

    if (answer === "correct") {
        resultText.textContent = "✅ Correct! Well done!";
        resultText.style.color = "green";
    } else {
        resultText.textContent = "❌ Incorrect. Try again!";
        resultText.style.color = "red";
    }
});
```
</td>
</tr>
<tr>
<td>validation</td>
<td>Script.js</td>
<td>


```
// Check if name is empty
if (nameInput.value.trim() === "") {
    nameError.textContent = "Name is required.";
    isValid = false;
} else {
    nameError.textContent = "";
}
```
</td>
</tr>
<tr>
<td>Hover effect</td>
<td>Style.css</td>
<td>


```
details:hover {
    transform: scale(1.02);
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);
}
```
</td>
</tr>
</table>

<table>
<tr>
<td>Circular shape</td>
<td>Style.ss</td>
<td>

<pre>
.member img {
    width: 80%; /* Reduced the width of the image to make them smaller */
    height: auto;
    border-radius: 50%; /* Circular shape for the images */
    margin-bottom: 10px; /* Space between image and text */
}
</pre>
</td>
</tr>
<tr>
<td>First Letter</td>
<td>Style.css</td>
<td>


<pre>
/* First-letter styling */
section p::first-letter {
    font-size: 2em;
    font-weight: bold;
    color: #594636;
    text-transform: uppercase;
}
</pre>
</td>
</tr>
</table>