

Monthly Website Project: Presidential Biography Website



Objective: Design and develop a biographical website about a randomly assigned U.S. president, demonstrating HTML structure, CSS styling, Bootstrap layout, multimedia elements, and basic JavaScript.

Project Overview

For this project, you will **research, plan, design, and develop a multi-page interactive website** about your assigned **U.S. president**.

This project will **reinforce your web development skills** by incorporating:

- ✓ **Historical Research** – Gathering and organizing content into a structured, well-cited format.
- ✓ **Wireframing & Site Planning** – Using **Figma** to design a **low-fidelity (Lo-Fi) wireframe** before coding.
- ✓ **HTML, CSS & Bootstrap** – Building a **multi-page, responsive website** with a structured layout, images, and multimedia.
- ✓ **JavaScript Interactivity** – Enhancing the website with at least **two dynamic features** that update or interact with the user.
- ✓ **GitHub & Hosting** – Committing code regularly to GitHub and **publishing the site live on GitHub Pages**.

By the end of this project, you will have a **fully functional, visually engaging biography website** showcasing your **web design skills, creativity, and technical knowledge**.

*This is **NOT** a book report! Websites are meant to be **interactive media**, meaning you will use **images, videos, captions, and dynamic content** to enhance the user experience.*


Deliverables

For this project, you will complete and submit the following deliverables **in the order listed**:

1 Research & Content Collection: Before designing your site, you must first gather information about your assigned president.

✓ Create a **Google Doc** to organize your research. This document should include:

- **Key historical facts** about your president
- **All text content** you plan to use in your website
- **Multimedia elements** (images, videos, links, interactive elements)
- **Source information for MLA citations** (author, title, URL, date, etc.)
- **Notes on how you plan to structure your content into different sections**

 You will receive a **guiding document with research questions** to help you focus on relevant information. Your **Google Doc will be checked for completeness** before moving to the next step.

2 Wireframe & Site Planning: After completing your research, you will design a wireframe for your website layout using Figma.

✓ **Create a Low-Fidelity (Lo-Fi) Wireframe in Figma**

Your wireframe should be a **visual plan** for how your content will be arranged on the final website. It should include:

- **Placeholder text** to indicate where content will go
- **Image placeholders** for multimedia elements
- **Buttons, links, and navigation structure**
- **A clear content hierarchy** to guide users through your site

✓ **Desktop & Mobile Layouts Required**

Because websites must be **responsive**, you must create **at least two wireframes for each page of your site**.

- **Desktop View** – How your site will look on a large screen
- **Mobile View** – A simplified, reorganized layout for smaller screens

✓ **Use Columns to Plan Bootstrap Layout**

- Use **Figma's Column Grid feature** to help structure your wireframe
- Plan out **Bootstrap's row and col system** in your wireframe
- Your **final coded website must match your Figma design**—no major changes after planning!

 Your wireframe will be submitted for review before you begin coding.

3 Website Development & Coding Requirements: After completing your wireframe, you will begin coding your website, following your design plan.

✓ General Requirements

Your site must be **interactive, responsive, and well-structured**, including:

- **At least 3 HTML pages** (students may structure them how they choose).
- **A navigation bar** for moving between pages.
- **Bootstrap's row/col system** and any additional bootstrap content that helps you achieve a **responsive layout**
- **Text, images, videos, and links** to enhance the experience.
- **Captions for all images** with descriptions and MLA-formatted source citations.

✓ JavaScript Requirements

Your site must include **at least two JavaScript-based interactive features** from the following:

- ✓ **1. Dynamically update content** using `document.getElementById()`
 - Example: Clicking a button changes an image, updates a fact, or reveals hidden content.
- ✓ **2. An interactive quiz or trivia** about the president
 - Example: A button asks a question, and JavaScript checks the answer.
- ✓ **3. A quote generator**
 - Example: Store **several quotes from the president** and display one randomly when a button is clicked.
- ✓ **4. A voting/poll feature**
 - Example: Users vote on the **most impactful decision** of the president's term, and JavaScript updates and displays results.
- ✓ **5. A historical timeline with clickable events**
 - Example: Clicking a **year or event name** updates a section with details about what happened during that time.

📌 **Your site must be hosted on GitHub Pages, and you must commit regularly to GitHub with meaningful messages.**

4 Final Submission & Hosting Requirements: Once your website is fully developed, you will finalize and submit your project following these steps.

✓ **Hosting & Deployment**

Your website **must be published live on GitHub Pages**. To do this:

1. **Push your final files to your GitHub repository.**
2. **Enable GitHub Pages** in your repository settings.
3. **Test your live site** to ensure all links, images, and interactive elements work correctly.
4. **Submit your live site URL** to the class project gallery.

✓ **GitHub Repository Requirements**

- **Commit regularly** (at least one meaningful commit per class period).
- **Use clear commit messages** that describe what was changed or added.
- **Ensure all files are properly organized** (HTML, CSS, JavaScript, images, etc.).

✓ **Final Project Checklist**

Before submitting, ensure your project meets the following criteria:

- ✓ Your site matches your wireframe design (no major unapproved changes).
- ✓ All pages are fully functional and visually polished.
- ✓ JavaScript features work correctly and enhance the user experience.
- ✓ All images and multimedia elements are properly sourced and cited.
- ✓ Your navigation is intuitive and works on both desktop and mobile.
- ✓ Your site is live and accessible via GitHub Pages.

Submission Instructions:

- ♦ Submit your **GitHub repository link** (where your code is stored).
- ♦ Submit your **live GitHub Pages link** (where your website is hosted).
- ♦ Submit a **link to // PDF of your Figma wireframe** on Google Classroom