

# Personal Homepage Design Document

Ran Fukazawa

## Project Description

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The goal of this project is to create a personal homepage that showcases my artwork and a bioinformatics/glycoinformatics project I completed during my undergraduate studies. The website is designed to be simple, stylish, and sophisticated while remaining easy to navigate.

Key features of the project include:

- Web pages:
  - Home page with greetings and a brief introduction.
  - Art gallery page showcasing my drawings and paintings, featuring a lightbox for easy image viewing.
  - Bioinformatics project page (created with ChatGPT 5) presenting my contribution to a glycoinformatics web portal.
- Technology used:
  - HTML (3 files: home page, art gallery page, bioinformatics project page)
  - CSS (1 file for styling)
  - JavaScript (1 file for interactivity)
  - Bootstrap 5.3 for responsive design and layout.
- Design goal: Create a visually appealing, responsive personal portfolio that adapts to different screen sizes and provides an engaging user experience.

## User Personas

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As the primary user of this website is myself, the persona reflects my experience as a beginner web developer:

- Name: Ran Fukazawa
- Experience level: Beginner web developer; first time creating a personal website.
- Goals:
  - Organize and present personal artworks and academic projects online.
  - Learn how to implement responsive layouts, navigation bars, and interactive features.
- Challenges:
  - Figuring out the layout and design.
  - Translating ideas into a functional webpage using HTML, CSS, JavaScript, and Bootstrap.

## User Stories

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As the creator of the website, I wanted to build a personal homepage to showcase my artworks and academic projects online. Being a beginner web developer, I aimed to learn how to use Bootstrap 5.3 to style the website so that it appears polished and professional.

From a visitor's perspective, I wanted the website to be easy to navigate, allowing users to move smoothly between the home page, art gallery, and project page. I also wanted the art gallery to support enlarging images using a lightbox feature, so visitors can view the details of my artwork clearly. Additionally, I focused on making the website responsive, ensuring that images, menus, and navigation bars adjust gracefully when resizing the browser or accessing the site on different devices.

## Design Mockups

