

Project Proposal – Armaan Ameen

Project Title: SVS Subwoofer Space Calculator

Project Summary

This project will be a mini-website that helps users determine how much free space remains in their room after placing an SVS subwoofer. The calculator will take inputs such as wall width and height (in inches or centimeters), and the chosen subwoofer model dimensions. It will then calculate and display the remaining free space in both units. The website will also include educational pages about different SVS subwoofers, setup guides, and tips for optimal placement.

Purpose

The goal of this project is to combine HTML, CSS, and JavaScript to create an interactive and practical tool for audio enthusiasts. The site will teach users about subwoofer dimensions, convert between units, and help plan room layouts efficiently.

Possible Pages and Content Outline

1. Home Page	Introduction to SVS subwoofers, navigation, hero image.
2. About SVS	History, model comparison chart, link to svsound.com.
3. Calculator Page	Input wall size, choose model, calculate free space, convert units.
4. Model Comparison	Table with sizes, weights, images of subwoofers.
5. Setup Tips	Placement guide, best practices list, links to setup guides.
6. Contact Page	Form for user feedback, validation with JavaScript.

Week-by-Week Timeline

Week	Tasks
1 (Oct 18–24)	Create project folder, plan layout, and basic HTML structure.
2 (Oct 25–31)	Add CSS stylesheet and style consistency across pages.
3 (Nov 1–7)	Build calculator logic (JavaScript functions for conversion & space calculation).
4 (Nov 8–14)	Add images, tables, and model data.
5 (Nov 15–21)	Finish Contact form with JavaScript validation.
6 (Nov 22–28)	Test interactivity, finalize all pages.
7 (Nov 29–Dec 5)	Deploy to GitHub Pages and prepare submission PDF.
8 (Dec 6–11)	Final review and submit project.

Risk and Scope

Risks:

- Difficulty linking consistent CSS styles across all six pages.
- JavaScript errors during input validation or unit conversion.
- Image loading or path issues after deployment.

Scope:

- Minimum six pages with consistent design.
- One JavaScript-powered calculator with unit conversion.
- Fully deployed GitHub website with links and visuals.