

# Project Plan

Table 1 shows my website development timeline along with the estimated number of hours to complete each task. The (optional) tasks are those which are not critical to the core functionality of the website and will only be completed if time allows for it.

**Table 1: Website Development Timeline**

Task	Begin Date	End Date	# of Hours to Complete Task
Create Basic Page (PHP) Template, and Header and Footer Element Templates (logged in and logged out)	March 5	March 8	1
Layout (HTML) Structure for "User Profile" PHP Page	March 5	March 8	1
Layout (HTML) Structure for "Home" PHP Page	March 5	March 8	1
Layout (HTML) Structure for "Login" PHP Page	March 5	March 8	1
Layout (HTML) Structure for "Create Palette" PHP Page	March 5	March 8	1
Generate General (CSS) Style for Main Pages	March 5	March 10	1-2
Create ER Diagram of Database	March 8	March 9	1-2
Develop Script to Add/Remove/Update Database Tables and Data	March 9	March 11	1-2
Generate CSV Files with Static Database Content	March 9	March 11	1-3
Figure Out How to Connect to and Query MySQL Database with PHP	March 9	March 11	1-3
Submit Mid Project Assessment	N/A	March 14	1
Build Basic "Colour Palette Creator" Widget (PHP) Template	March 11	March 15	2-6
Build "Palette Creator" Request Handler (PHP) Template w/o Database Connection (returns fixed values)	March 11	March 15	2-4
Modify "Palette Creator" Handler to Interface with Database	March 14	March 18	1-2
Build "Login Form" Widget (PHP) Template	March 16	March 20	1-2
Build "Login" Request Handler (PHP) Template w/o Database Connection	March 16	March 20	1-4
Modify "Login" Handler to Interface with Database	March 19	March 23	1-2
Build "Palette Display" Widget (PHP) Template	March 21	March 25	2-4
Build "Palette Display" Request Handler (PHP) Template w/o Database Connection	March 21	March 25	1-2
Modify "Palette Display" Handler to Interface with Database	March 24	March 28	1-2
(optional) Modify "Palette Creator" Widget and Handler to Allow for Advanced (detailed) Palettes	March 25	March 29	2-4

(optional) Modify "Palette Display" Widget and Handler to Display Advanced (detailed) Palettes	March 25	March 29	1-2
(optional) Build "Share/Export Palette" Request Handler (PHP) Template	March 25	March 29	1-4
Review and Update Code for Accessibility	March 28	March 29	1-3
Review and Update Code for Security	March 28	March 29	1-3
Acceptance Testing and Bug Fixing	March 28	March 31	1-8
Plan Out Demo Structure, Script and Process	March 25	March 31	1-3
Submit Final Project	N/A	March 31	N/A
Project Demo	N/A	April 1	N/A
Submit Final Assessment	N/A	April 5	1

A Gantt chart displaying my project plan is shown in Figures 1 and 2. Related tasks are grouped and displayed in the same colour. The first phase (maroon) involves designing the HTML layout for the main pages, the PHP templates for sitewide components, and the basic CSS style for the site. The second phase (blue) is the design and setup of the database, and building the tools to update and maintain the database.

The next 3 sections (purple, green, brown) are dedicated to the development of the core features of the website, which take up a majority of the development time. The yellow tasks are optional tasks that are non-essential, and can be dropped if development gets off of schedule. The orange tasks involve code review, acceptance testing, bug fixing, and general code improvement. The red task is the planning of and preparation for the project demo.

I believe my project timeline and task time estimates are realistic, and that the completion of the project is feasible. I have designed my timeline with lots of overlaps between sections as my estimated times to complete each task contain a high degree of uncertainty, and each section isn't wholly dependent on the section before it, meaning sections can be started before others are finished if there is a roadblock in some part of development. This combined with the optional nature of some tasks should give me the flexibility I need to work around my other courses in my busy schedule.

Figure 1: Gantt Chart of Website Development Plan (1/2)

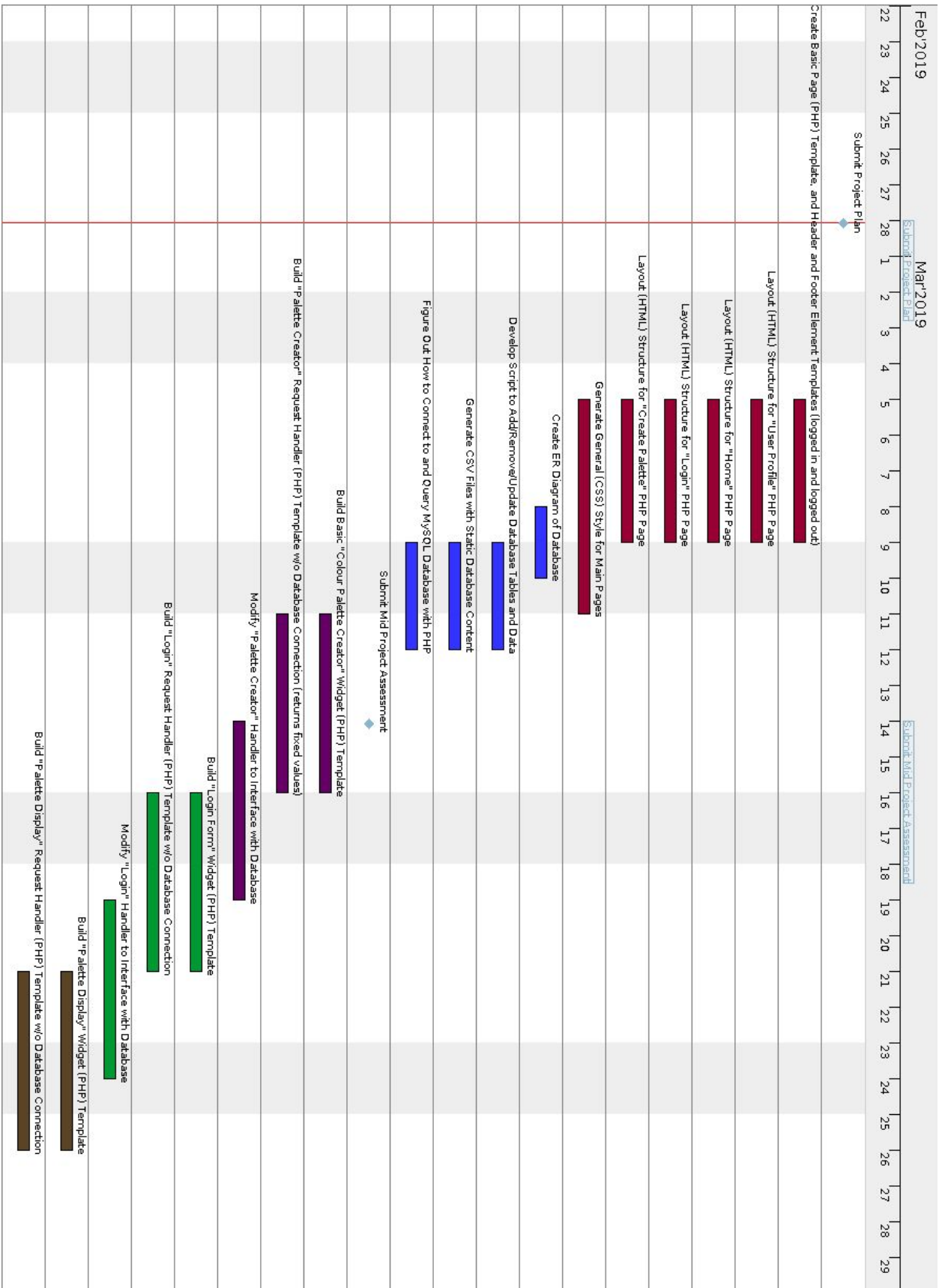


Figure 2: Gantt Chart of Website Development Plan (2/2)

