
FGCT6021 MOBILE APPLICATION DEVELOPMENT
LAB 2 – TOPIC 2 FRONTEND FUNDAMENTALS

Submission

1. Submit your Learning Journal link (GitHub) and weekly journal entry on myUCA.
2. During the workshop, you will show your progress and share what you have learned.

Workshop Overview

You will create a **Learning Journal Progressive Web App (PWA)** that documents your weekly learning, showcases your projects, and presents your professional profile, all within a responsive, installable website. This project will evolve over the 14-week unit and reflect the skills and technologies you learn each week.

Your goal this week is to establish the **basic structure, layout, and navigation** using only HTML and CSS, with a focus on responsive, mobile-first design.

This PWA will serve as:

- A **learning log** of your journey through this unit
- A **personal website** to introduce yourself
- A **portfolio** to showcase your creative computing or technical work

Goal

Build the skeleton structure and design layout of the website using HTML and CSS only. **All changes should be committed to your GitHub repository so that progress is visible and version-controlled.**

What to Do

The following steps are suggestions. You may adapt them as appropriate to your own design.

Folder and File Structure

1. Create a project folder: `learning-journal-pwa/`
2. Inside, create subfolders:
 - `/css` for your stylesheets
 - `/js` (will be used in Week 3 onwards)
 - `/images` for media assets

Pages to Create

Each page should share a consistent layout and navigation menu

- index.html – Homepage
- journal.html – Weekly journal entries
- about.html – Your personal profile
- projects.html – Showcase your work

Navigation Bar

1. Add a simple navigation bar that links to all four pages
2. Ensure the navigation appears on every page (this will later be replaced with JS for reusability)

CSS Styling

1. Link a central style.css file
2. Use mobile-first design
3. Use media queries for responsiveness
4. Apply CSS for:
 - Layout using Flexbox or Grid
 - Basic colours, fonts, and spacing
 - Highlight key visual elements like active page or headings

Homepage Content

1. Add your name and a welcome message
2. Include a brief statement about what this site is for

Journal Questions

For your weekly entry, **submit it on myUCA** and **post it on the Learning Journal Web**:

1. How did you approach mobile-first design?
2. What was the most useful HTML or CSS concept you applied this week?
3. What part of HTML or CSS did you find most challenging or confusing?