



<https://st4rk-71.github.io/assignment-4/>

Rayan Alsaedi  
SWE 363

# Personal Portfolio Web Application

# App Overview

## What is this the App?

- A complete personal portfolio website
- Fully responsive (mobile → desktop)
- Includes dynamic features using JavaScript
- Displays real GitHub repositories
- Designed to represent my skills professionally

## Objectives

- Build a production-ready personal web application
- Demonstrate all concepts from Assignments 1–4
- Deploy the website publicly

About Projects Contact GitHub



**Good Evening!**

Student • Learner • Aspiring Software Engineer

Rayan a junior SWE student in KFUPM. I enjoy solving problems with code and building things. I'm currently learning AI and web development, and I will keep growing day by day.



# Key Features

## Core Features

- About Me section
- Projects gallery
- Contact form
- Dark/Light Theme toggle
- Time-based greeting

## Assignment 2/3/4 Features

- Project **filtering** (Web / C++)
- Project **sorting** (A→Z / Z→A)

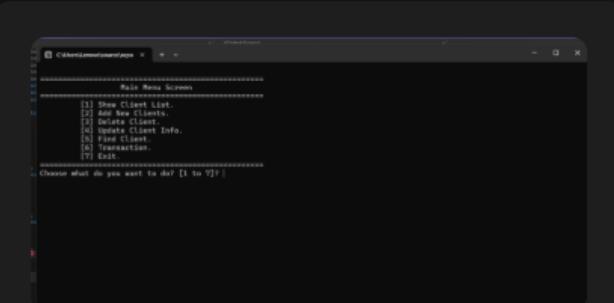
## GitHub API Integration

- (fetches live repos)
- Error handling + Retry button
  - LocalStorage state saving (theme, filter, sorting, username)

## Projects

Sort by: Title (A → Z) ▾

All Web C++



Bank Management System (C++) Application

Developed a console-based banking system in C++ that allows users to add/delete accounts, deposit/withdraw funds, and view the client list.



Score Tournament Application for KFUPM Students

I built a web application to organize tournaments for KFUPM students. Players can join teams and receive notifications, while admins can manage tournaments, teams, approve players, and assign captains.

# Technical Architecture

- **Languages & Tools**
- **HTML5** → structure
- **CSS3 (Flexbox & Grid)** → responsive UI
- **JavaScript (Vanilla)** → dynamic behavior
- **GitHub API** → real data
- **LocalStorage** → persistent state
- **Architecture Diagram**
- Frontend Only (Static Web App):
  - HTML → CSS → JavaScript
  - ↓
  - LocalStorage & GitHub API
- **State Management**
- Theme
- Filter
- Sorting
- GitHub username

## Latest GitHub Repos

Repository	Last Updated	Description
assignment-4	12/11/2025	No description
assignment-3	11/29/2025	No description
web_course_main	11/24/2025	No description
5-8-node-express-Dromarjh-main	11/5/2025	No description
assignment-2	10/25/2025	assignment No.2 in SWE-363
5-4-react-rendering-lists-st4rk-71	10/8/2025	web-engineering-kfupm-classroom-5-4-react-rendering-lists-5-4-react-rendering-lists-Dromarjh-main-1 created by GitHub Classroom

© Rayyan — Assignments 1, 2 & 3

# AI Integration

**AI Tools Used**

I rewrote and modified all AI suggestions

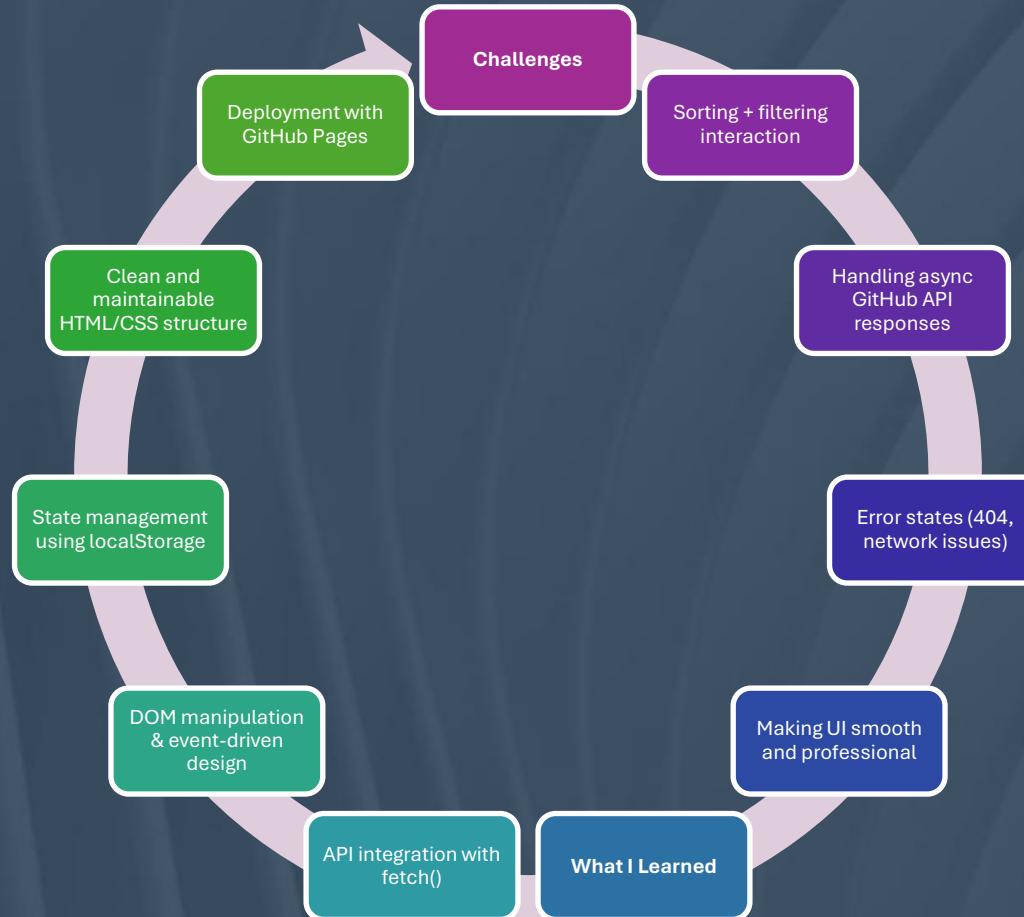
**ChatGPT for**

I tested and debugged everything myself

**My Role / Understanding**

AI was used as a learning tool, not a replacement

# Lessons Learned



# Conclusion

- **Project Outcomes**
- Fully functional, polished personal website
- Real GitHub repositories displayed
- Professional-level UI and structure
- Successfully deployed online
- **Future Improvements**





**Thank you! Any questions?**