

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



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SWE 363

Personal Portfolio Web Application

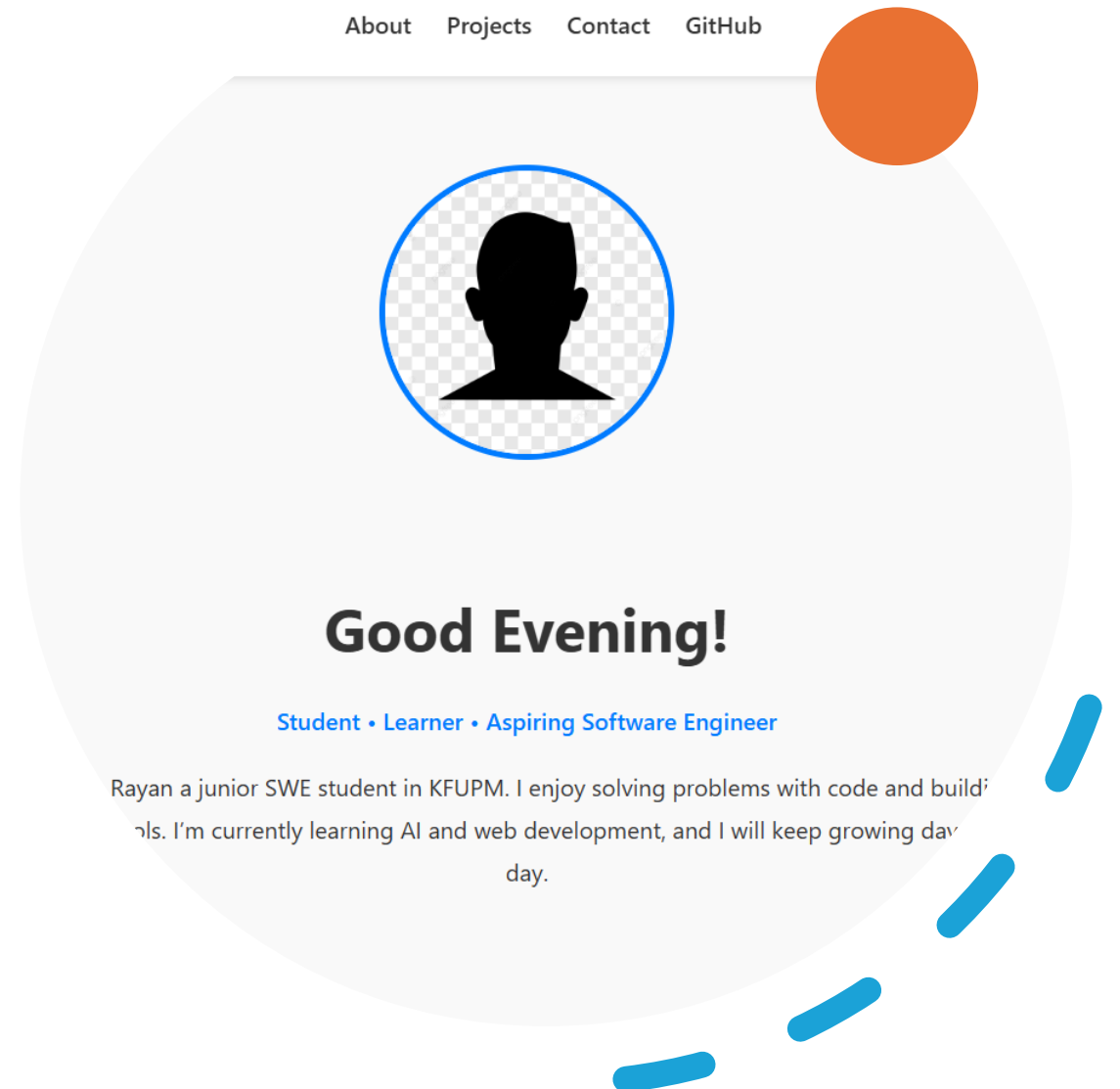
App Overview

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



Key Features

Core Features

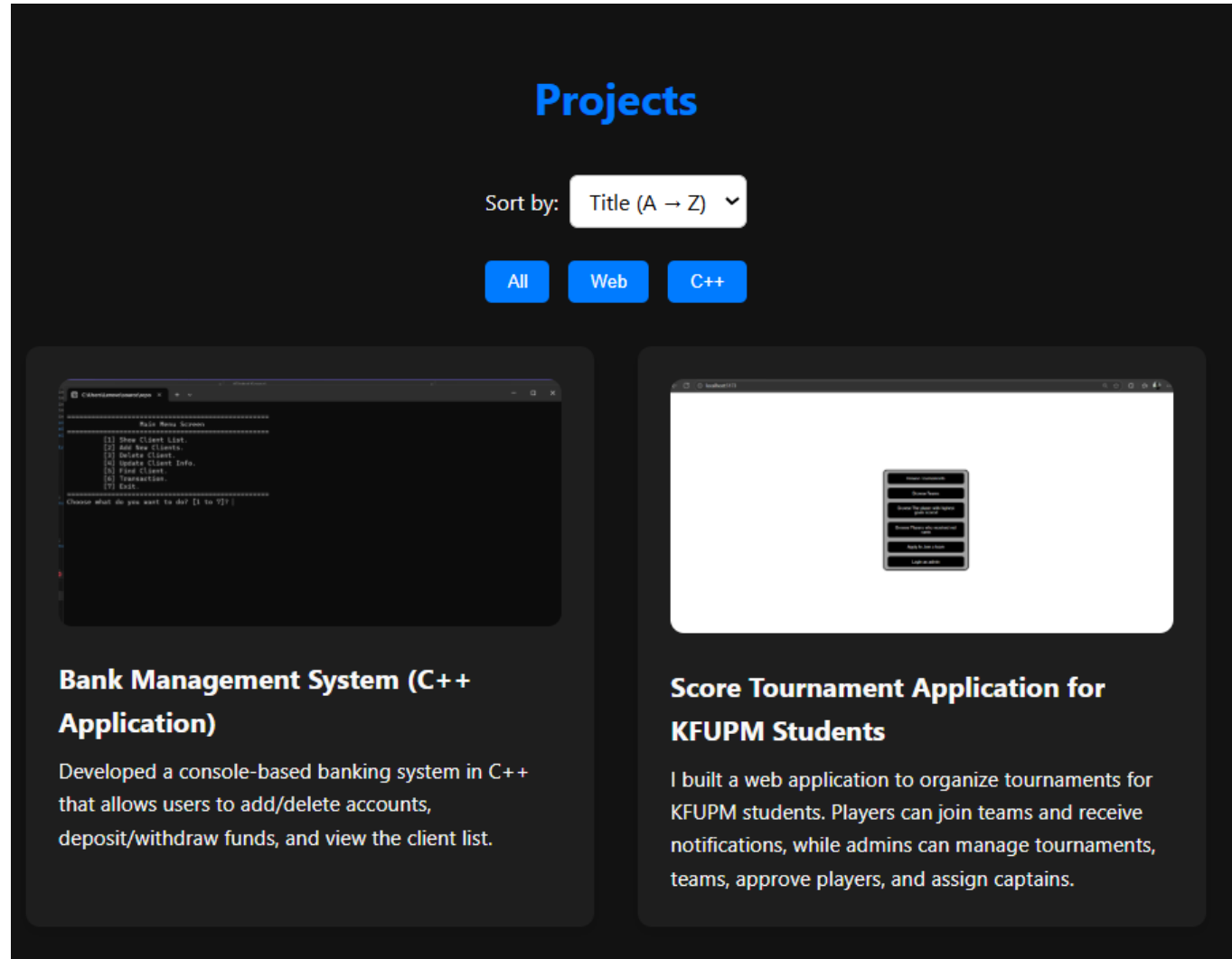
- About Me section
- Projects gallery
- Contact form
- Dark/Light Theme toggle
- Time-based greeting

Assignment 2/3/4 Features

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

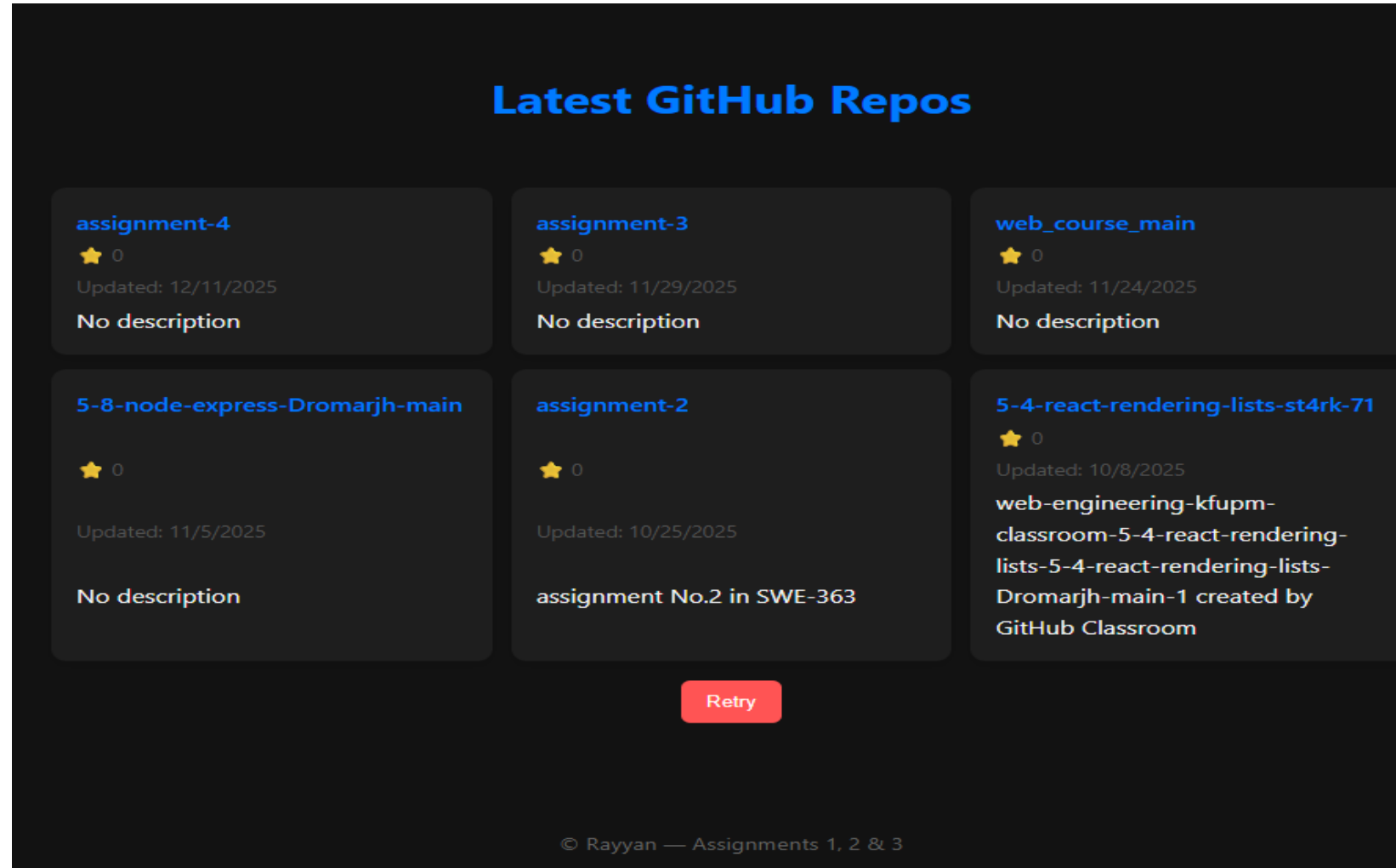
GitHub API Integration (fetches live repos)

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



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



AI Integration

AI Tools Used

ChatGPT for

**My Role /
Understanding**

**I rewrote and
modified all AI
suggestions**

**I tested and
debugged
everything
myself**

**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?