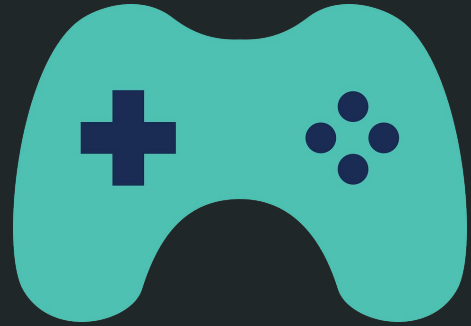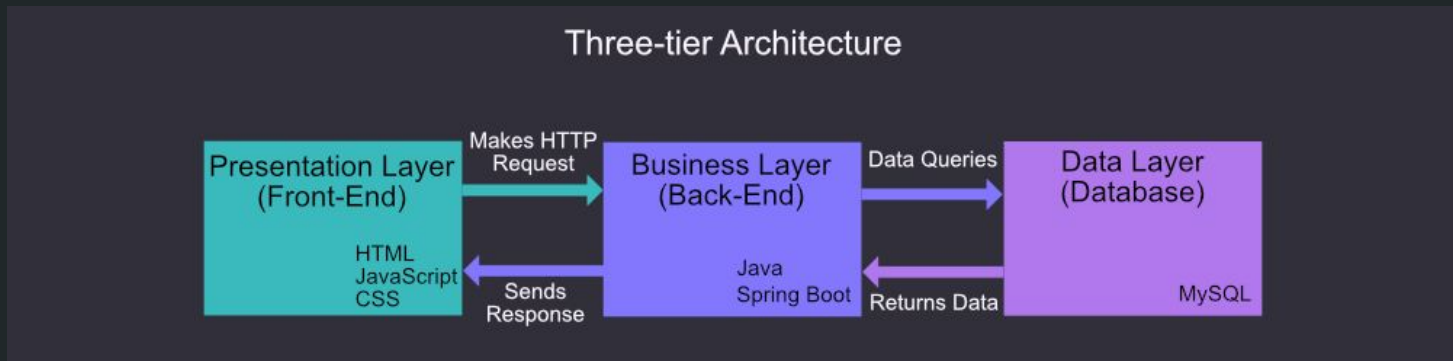# Game Application

Hobby Project
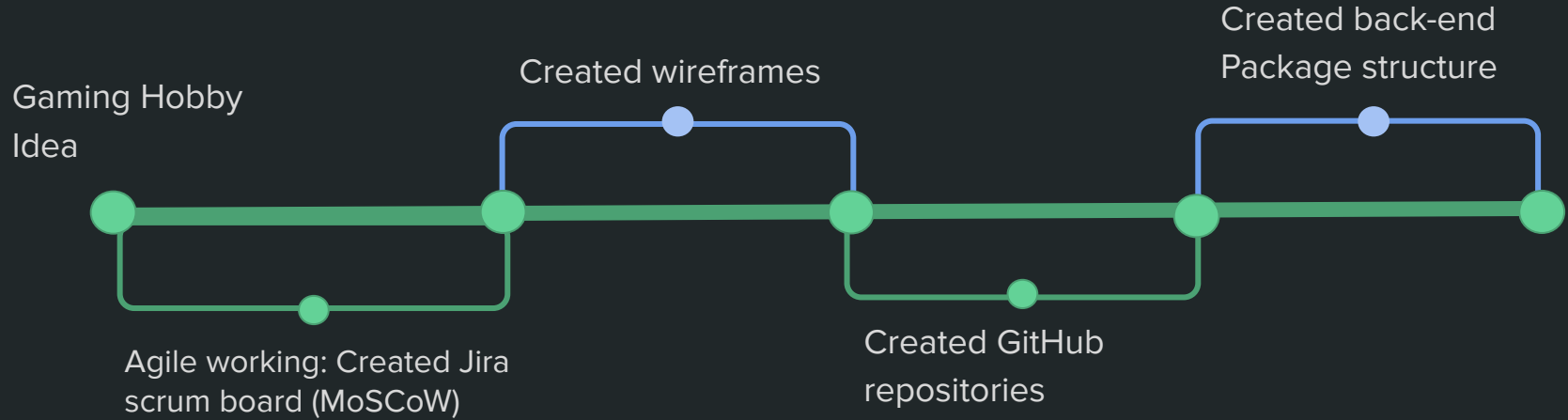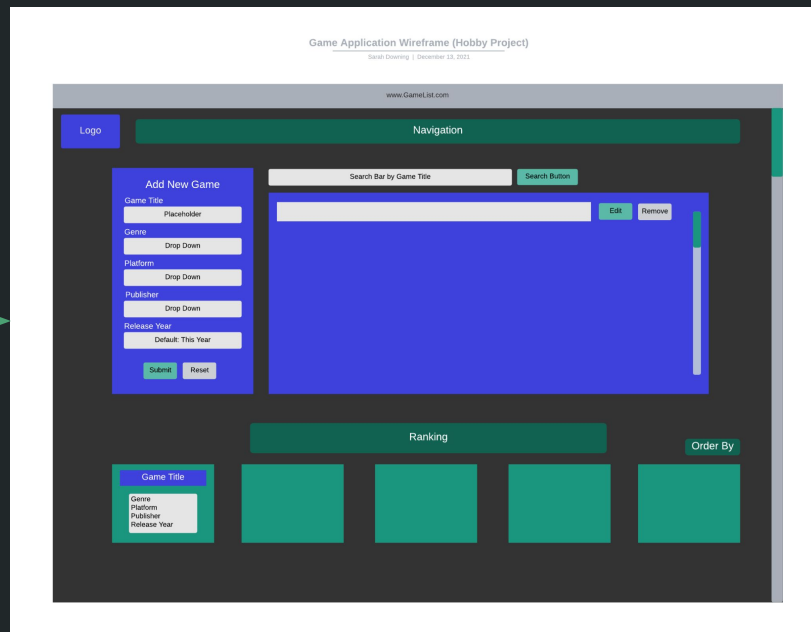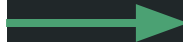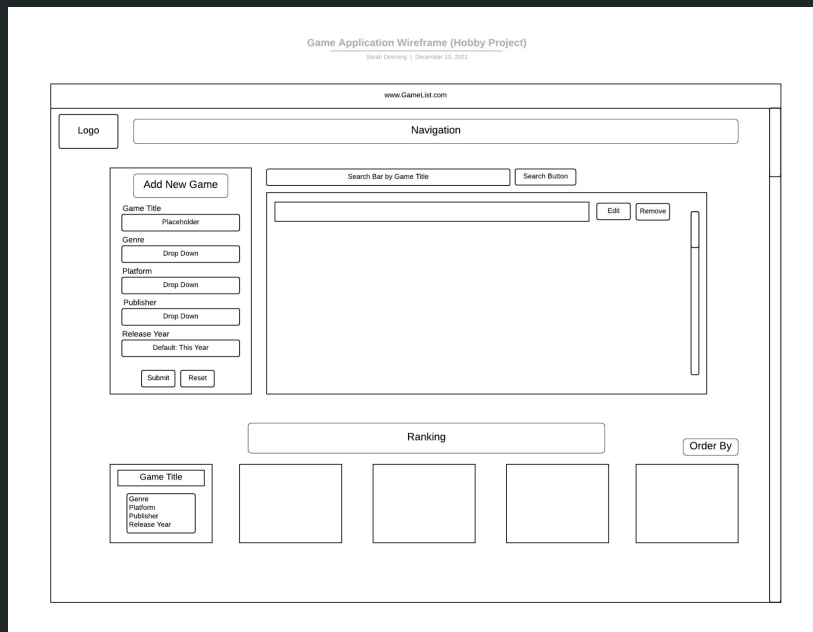
Sarah Downing

Contents

- **Planning:** Project management using Jira, wireframes, version-control
- **Technologies:** What was used, what went well and what didn't
- **Demo:** Showing the final product
- **Summary:** Reflection on the project
- **Questions**

Three-tier Architecture

Planning

Planning

Planning cont.

Front-End / GLA-5

As a user, I want to be able to access a front-end website, so I can create a new game when needed.

Attach   Add a child issue   Link issue   ...

Description • Unsaved changes

Given the user has accessed the website, **when** details are entered **and** a create request is sent **then** the website should update to reflect these changes.

Activity

Show: All   Comments   History   Newest first ↓↑

SD   Add a comment...

Pro tip: press **M** to comment

Done ⌄   ✓ Done

Details   ⌃

Assignee	SD Sarah Downing
Labels	Must-Have
Sprint	GLA Sprint 1
Story point estimate	2
Development	3 branches
	7 commits 2 days ago
	3 pull requests MERGED
Reporter	SD Sarah Downing

Created Invalid Date   ⚙ Configure
Updated Invalid Date
Resolved Invalid Date

Technologies

Front-End

HTML - general structure and contents stored within a webpage

JavaScript - Adds user interaction

CSS - Adds style and formatting

Must-Have

IMS-1   SD

Back-End

Database management - MySQL

Back-End programming - Java

Spring Boot - Inversion of control container for Java

Must-Have

IMS-2   SD

Testing

MockMVC - Integration

Manual Front-End tests

Must-Have

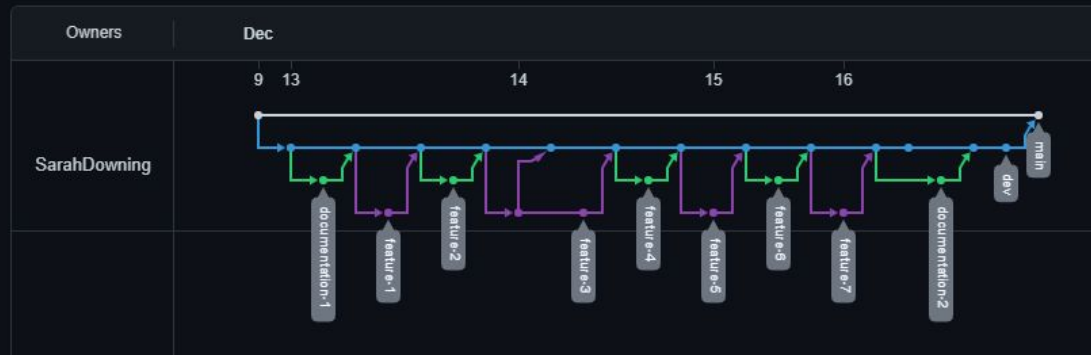IMS-3   SD

Technologies cont.

Demo

Summary

Sprint Review:

- Met the MVP and added custom CSS styling to enhance the look of the final product.
- Need to conduct more testing - Junit and Mockito on back-end, Selenium on front-end.
- Moving forward could upgrade the update functionality and add responsive design.

Sprint Retrospective:

- Overall sprint went well and time management was significantly improved from Project 1.
- The back-end creation and database implementation went well as well as testing/ exception handling.
- Implementing the JavaScript interaction using axios could be refactored and improved.
- Understanding how a website works and how all the aspects interact with each other to create a user product.

Questions :)