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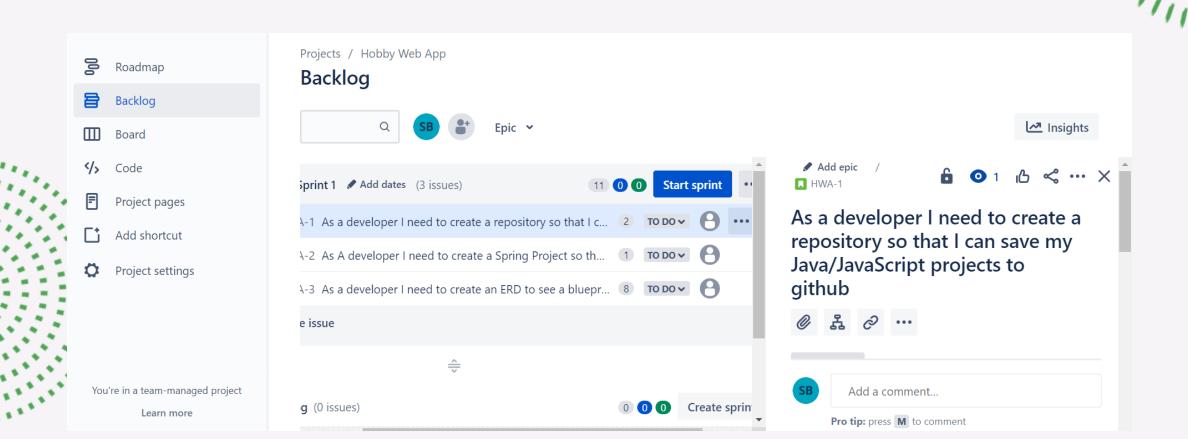
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- I am now training to be a software engineer with QA.

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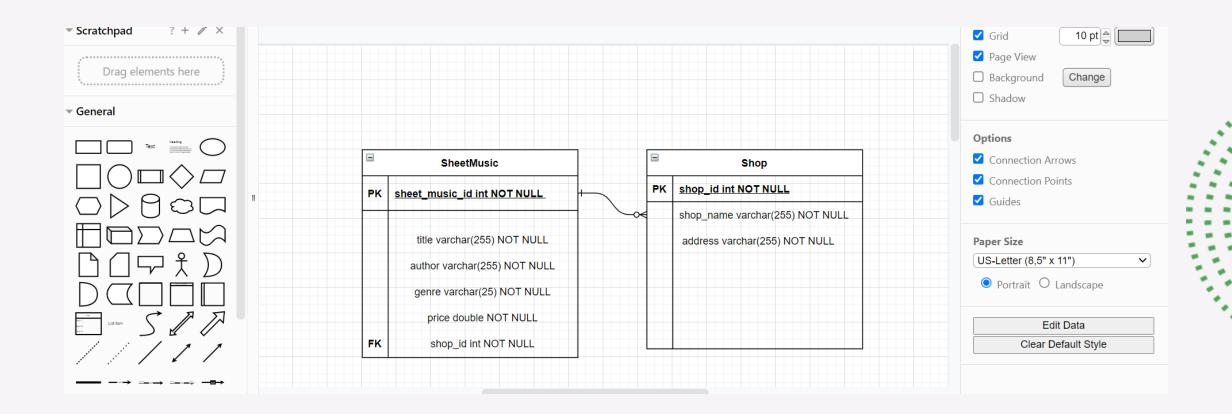
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- Once I had a better idea, I started the project



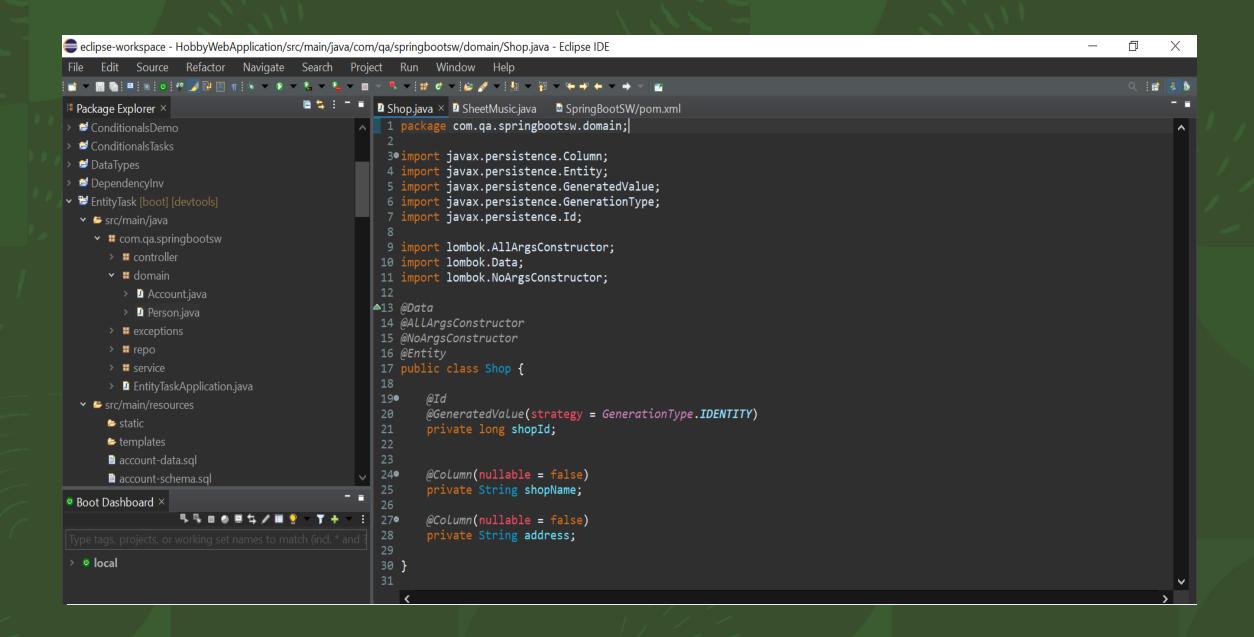
Militar

First Draft ERD diagram



#### Concept

- After the initial draft of the ERD, I decided to make two tables for my database, one that will take in the shops and one that would take in the sheet music
- So I built two classes in my eclipse project under a 'domain' package so that I could later manipulate the columns of the tables



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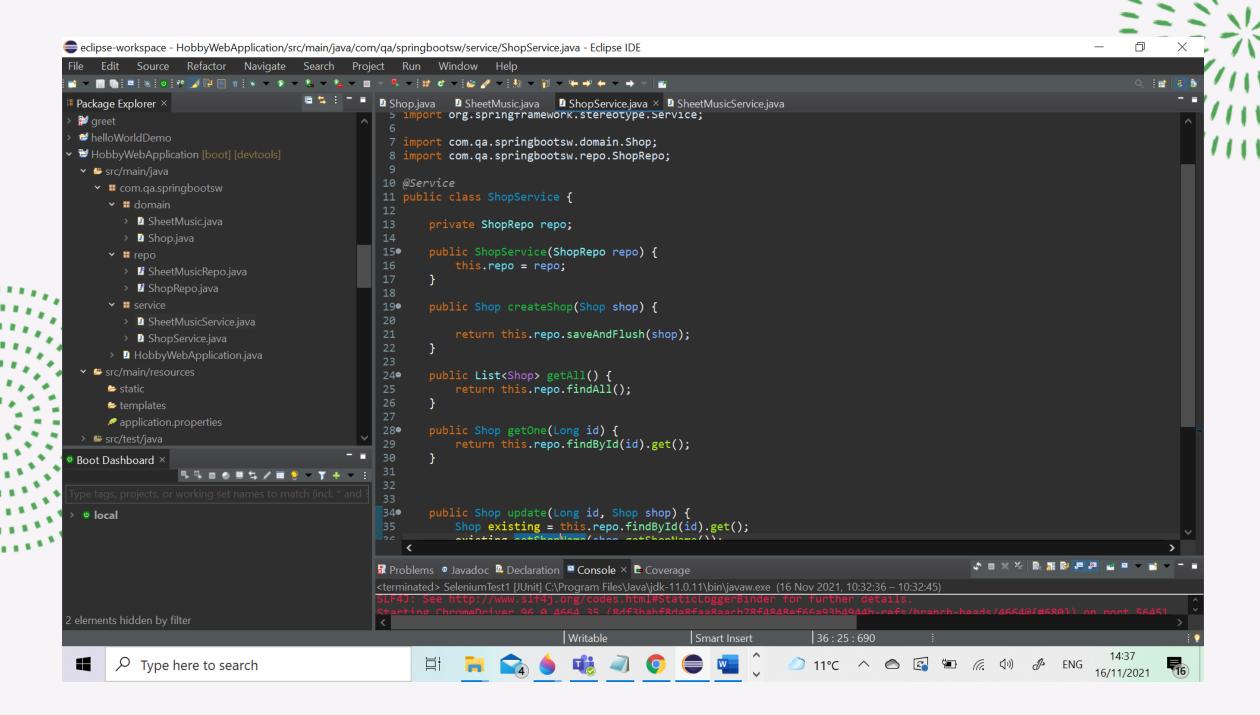
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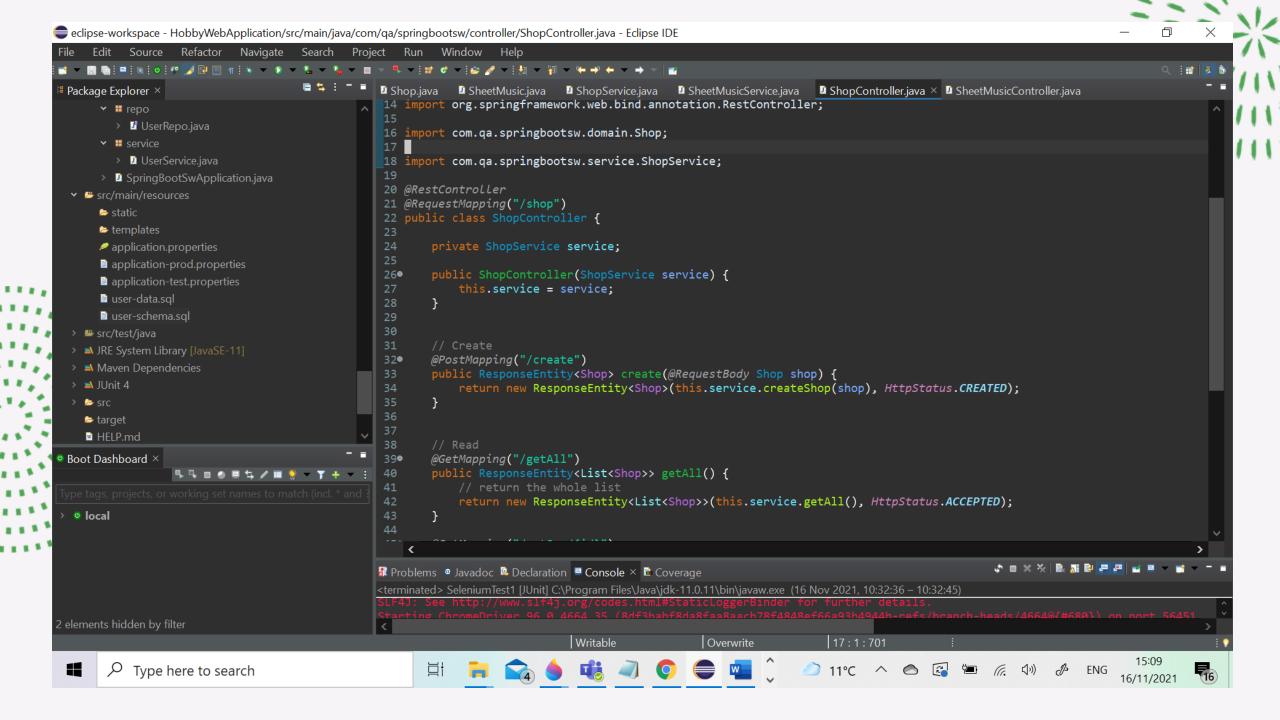
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- I hoped to achieve a fully functional website that would connect to a database and implement full crud functionality





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- Other technologies included, mySQL Workben ch, Git, Bootstrap, JavaScript for the Front End and Java for the Back End

## How did you approach version control

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• I used git for version control and Implemented the feature branch model in order to minimise merge conflicts

```
MINGW64:/c/Users/Sol/eclipse-workspace/HobbyWebApplication
Sol@DESKTOP-EACDADS MINGW64 ~/eclipse-workspace/HobbyWebApplication (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.
Untracked files:
  (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
Sol@DESKTOP-EACDADS MINGW64 ~/eclipse-workspace/HobbyWebApplication (main)
$ git add .
warning: LF will be replaced by CRLF in .gitignore.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in .mvn/wrapper/MavenWrapperDownloader.java
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in .mvn/wrapper/maven-wrapper.properties.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in mvnw.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in mvnw.cmd.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in pom.xml.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/main/java/com/qa/springbootsw/HobbyW
ebApplication.java.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/main/resources/application.propertie
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/test/java/com/ga/springbootsw/HobbyW
ebApplicationTests.java.
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Sol@DESKTOP-EACDADS MINGW64 ~/eclipse-workspace/HobbyWebApplication (main)
$ git checkout -b dev
Switched to a new branch 'dev'
Sol@DESKTOP-EACDADS MINGW64 ~/eclipse-workspace/HobbyWebApplication (dev)
```

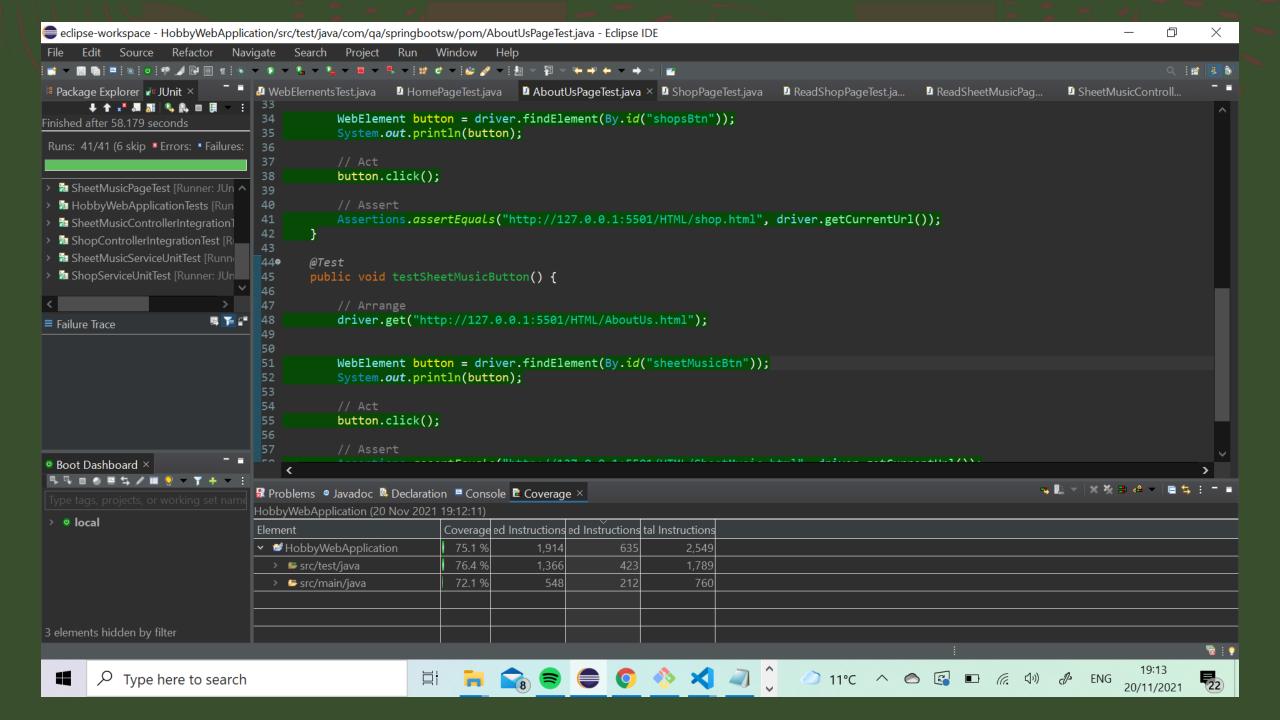
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- I used JUnit for unit testing
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- I managed to gain an overall coverage of 72.1% with my tests



### Demonstration

I managed to complete all of my domain, controller, service and repo classes as well as my unit tests and integration tests as well as the documentation.

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I had a few problems with some of the selenium tests as they would fail when I included animated features of the website in the test



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• I feel as though I did well with the back end and didn't encounter many issues, I was able to connect the database to the java code quite well, and I laid things out in a format that was easy for me to understand.

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- I feel as though I did well with the back end and didn't encounter many issues, I was able to connect the database to the java code quite well, and I laid things out in a format that was easy for me to understand.
- I managed my time pretty well and was able to get most issues sorted.

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  - My use of Jira could be improved, I had around 40 user stories not realising that 15 should be the maximum.
- The 'read' pages could be improved as when the data is displayed on the webpage it doesn't look very nice.
- I feel like I should have focused more on the MVP and then improved on the website instead of focusing so much on improving the way the website looks before I had a decent amount of work done.



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- · I plan on improving this project after it has been marked
- A big thank you to Reece! You're a great trainer and have really helped me through this:)

## Any Questions???