

# Hobby Web Application

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# Introduction

- Race series management system





# New Technologies

- Spring Boot
- Selenium
- Limited experience with JavaScript
- Linking html with Java

# Version Control

- Fluid branching
- More frequent pushes
- Confusing to follow

```
$ git log --graph --all --oneline
* 4b9c928 (HEAD -> main, origin/main, origin/HEAD, history, dev) built into .jar
  file
* 455b10a (origin/test, test) Added Selenium testing
* c9ad746 (origin/createDelete, createDelete) added create and delete functional
  ity to frontend
* 6001817 (origin/backend2, backend2) added Java backend
* d163c70 (origin/frontend, frontend) Added ability to create series to frontend
* 547ac0a (origin/backend, backend) added domains for series' and races
* 26d06f0 (origin/sql, sql) added sql schema
* 33f3f84 Initial commit
```

```
$ git branch
backend
backend2
createDelete
dev
frontend
* main
sql
test
```

# Testing

- Selenium
- Exported to JUnit
- JUnit not running?

The screenshot displays two web browser windows. The left window, titled 'Series Planner', shows a form for adding a new series and a new race. The 'Add a new series' form has fields for Name, Car, and a Submit button. The 'Add a new race' form has fields for Series ID, Race No., Circuit, No. of Laps, and a Submit button. Below these forms, it shows details for a series: Id: 1, Name: F1, Car: Ferrari, and a Delete link. The right window, titled 'Selenium IDE - HWA', shows a project named 'HWA' with a list of tests. The 'Add a series' test is selected, showing a sequence of 10 commands: open, set window size, click, type, click, type, click, click, click, and assert text. The 'Log' tab at the bottom shows the execution results of these commands, all of which were successful.

Command	Target	Value
1. open	/	
2. set window size	974x1040	
3. click	id=name	
4. type	id=name	F1
5. click	id=car	
6. type	id=car	Ferrari
7. click	css=#newSeries > fieldset > input	
8. click	css=html	
9. click	css=card-body	
10. assert text	css=card-text:nth-child(1)	Id: 1










Log	Reference	
5. click on id=car OK		13:52:02
6. type on id=car with value Ferrari OK		13:52:02
7. click on css=#newSeries > fieldset > input OK		13:52:02
8. click on css=html OK		13:52:02
9. click on css=card-body OK		13:52:03
10. assertText on css=card-text:nth-child(1) with value Id: 1 OK		13:52:03
*Add a series* completed successfully		



# Jira

## ▼ Backlog (9 issues)

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 HWA-6 As a USER, I must be able to add series' to the database, specifying the cars and tracks they use	BACKEND: CREATE A BACKEND US...	4
 HWA-9 As a USER, I must be able to see all series' in the database, with details	BACKEND: CREATE A BACKEND US...	2
 HWA-10 As a USER, I must be able to update series with new/different cars/races	BACKEND: CREATE A BACKEND US...	6
 HWA-13 As a USER, I must be able to delete series' from the database	BACKEND: CREATE A BACKEND US...	2
 HWA-14 As a USER, I must be able to delete races from series'	BACKEND: CREATE A BACKEND US...	4
 HWA-17 I need a table storing details of series	DATABASE: CREATE A DATABASE U...	1
 HWA-19 I need a table storing which races are in each series	DATABASE: CREATE A DATABASE U...	1
 HWA-20 I need a form to input series and race data	FRONTEND: CREATE A FUNCTION...	2
 HWA-21 I need to able to navigate between series' to see the races in each	FRONTEND: CREATE A FUNCTION...	8

# Demonstration

# Sprint Review

- 😊:
  - Working codebase with CRD functionality
  - Successful connections across frontend, backend and database
  - Effective tests created (although not implemented)
- 😞:
  - Unable to add update functionality
  - UI very basic
  - No error messages



# Sprint Retrospective

- 😊:
  - Picked up new technologies
  - Full functionality in backend
  - Adaptation to Spring Boot
- 😞:
  - Ask for help!
  - Still unsure on how the technologies interact
  - Borrowed too much code from examples

# Conclusion

