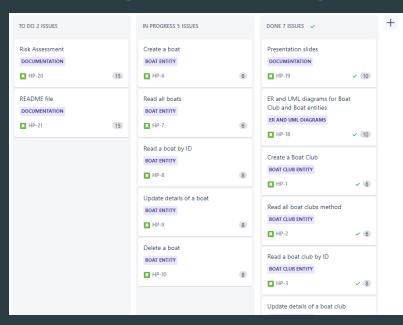
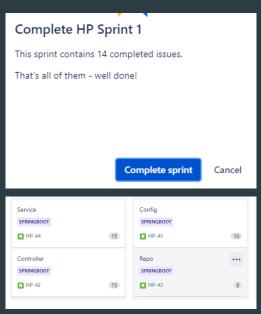
HWA - Project

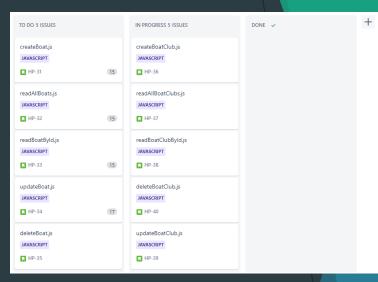
By Gabriel Jose

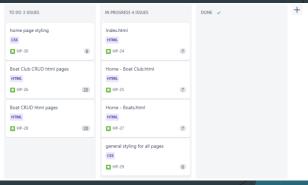
Initial Approach to the Project

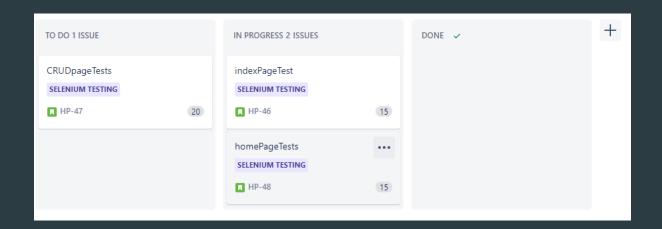
- Fairly decent level of confidence
- ► More experience with Java from previous project
- Willing to apply new things learned in HTML, CSS and JS
- ► Getting better with using Jira and Git

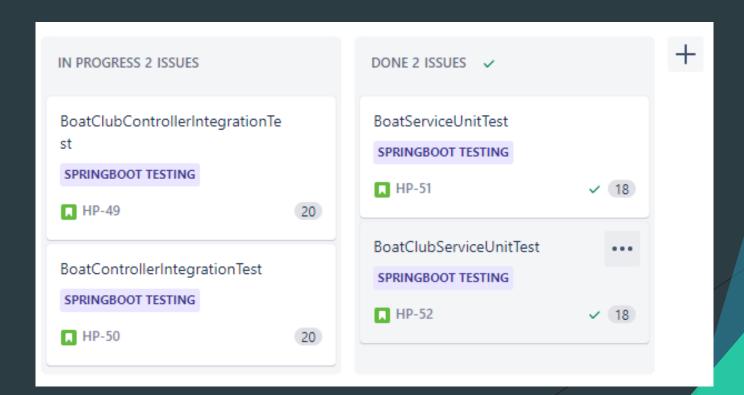












Sprint Plan

- ► What must be included?
- ► Fully functional HTML pages (navigating from page to page)
- CRUD functionality in SpringBoot and web page
- Selenium testing for front end

- ► A working web application page that can use CRUD
- CSS styling (background images)
- Sufficient test coverage from SpringBoot and Selenium

Consultant Journey

- SpringBoot and Selenium (for testing both ends)
- ► Fetch requests in JavaScript
- ▶ Building up from test classes to writing unit and integration tests

Version Control Approach

- ▶ Being more strict with following the feature branch model when implementing new features to the project (e.g. docs, SpringBoot, Selenium, etc)
- ▶ Was able to be more thorough with version control by pushing regularly to Git
- Included one last general push to GitHub at the end of the day
- Included a folder containing all screenshots of every push to GitHub in docs folder

```
jose@DESKTOP-6PMRFM5 MINGW64 ~/OneDrive/Desktop/QA/Individual Project/HWA-Project/HWAFrontEnd (html)
     e@DESKTOP-6PMRFM5 MINGW64 ~/OneDrive/Desktop/QA/Individual Project/HWA-Project/HWAFrontEnd/CSS (html)
                                        neDrive/Desktop/QA/Individual Project/HWA-Project/HWAFrontEnd/CSS (html)
 $ git commit -m "created general.css file"
 [html ab5ee2d] created general.css file
 1 file changed, 17 insertions(+)
 create mode 100644 HWAFrontEnd/CSS/general.css
        DESKTOP-6PMRFM5 MINGW64 ~/OneDrive/Desktop/QA/Individual Project/HWA-Project/HWAFrontEnd/CSS (html)
 $ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
 Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 533 bytes | 533.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
 To https://github.com/gabejose/HWA-Project.git
    39064c0..ab5ee2d html -> html
    se@DESKTOP-6PMRFM5 MINGW64 ~/OneDrive/Desktop/QA/Individual Project/HWA-Project/HWAFrontEnd/CSS (html)
 $ git status
 Your branch is up to date with 'origin/html'.
nothing to commit, working tree clean
```

Testing

- ► Front end was tested by opening a live server on VS
- Changed to Selenium by using ChromeDriver and running the tests
- Selenium tests are complete and fully operational



- Back end testing was done initially by running Spring from the terminal and using Postman
- Changed to unit and integration tests on SpringBoot
- ► Coverage currently at 42.1 % due to problems (should improve before submission)

Demonstration

- ► User stories I will cover on web page:
- ► CREATE and READ boat clubs
- ► CREATE boats
- ▶ UPDATE a boat club
- ▶ DELETE a boat

Description

As a user, I want to be able to create a boat club. This is so that when there is a new boat club, it can be added to the system.

Description

As a user, I want to be able to read all the boat clubs currently in the system. This is so that I can look at all the boat clubs.

Description

As a user, I want to be able to create a boat in the system. This is so that when the boat club orders a new boat, it can be added to the system.

Description

As a user, I want to be able to remove a boat from the system. This is so that in case the boat club chooses to sell one of their boats, it can be removed from the system.

Description

As a user, I want to be able to update the details of any of the boat clubs. This is in case the head coach leaves the boat club or changes its name, the new detail can be updated.

Sprint Review

Managed to complete:

- ► Fully functional web page (able to use CRUD)
- Controllers, services, domains for Boat and BoatClub classes on SpringBoot
- Documentation (Risk assessment, ER and UML diagram)
- Mostly completed Jira board
- Selenium tests
- ► Fully working HTML and JS, sufficient styling using CSS

Remaining tasks:

- ► Fat .jar files for Selenium and SpringBoot
- Merging final version from dev to main branch on GitHub
- Integration tests for BoatController due to problems

Sprint Retrospective

What went well?

- ► Took more careful planning for overall project
- More disciplined with version control than with IMS
- Slightly more consistent with code style
- Basics of Java, HTML, CSS and JavaScript were properly demonstrated
- Stuck to planned timeline for the project

What to do better next time?

- Could still use smart commits for Jira (heavily focused on normal commits via Git bash)
- Avoid wasting too much time trying to debug myself. Ask trainer for help or cohort members in breakout rooms on Teams

Overall Conclusion

- Big improvement from IMS (as far as using Git)
- ► Still could do a bit better
- Keep working on getting into a better habit of updating Jira and project work simultaneously
- ► Try to ask for help a bit more often instead of wasting a lot of time trying to do it myself

Thank you for listening!

Any questions?