baeprojectone

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- Chose to start with the simplest minimum viable product

- A 'todo' list with
  - Name of thing todo
  - Description of the task
  - Priority of task (with the user completely free to define this)

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A ToDo List

- Persistance Layer mySQL server 8
- Backend Java, Maven, Springboot framework
- Frontend HTML/JavaScript/css (axios and bootstrap libraries)

Baeprojectone – planning – the approach

- Plan project, risk assessment, set up Jira(scrum) backlog and sprint
- Back end – java springboot application
- Test and production persistence layer (databases)
- Check it works using postman(because this is a very small app)
- Front End – html page with javascript and css support
- Test it works from my new gui
- Write integration and unit tests

Baeprojectone – planning – backlog and sprint

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- Create logical epics of related user stories
- Try to order the user stories in the same order that they will be tackled
- Split user stories into tasks (link tasks to user stories)
- Give issues descriptions, priority and storypoint estimations
- Load all issues into a time boxed sprint
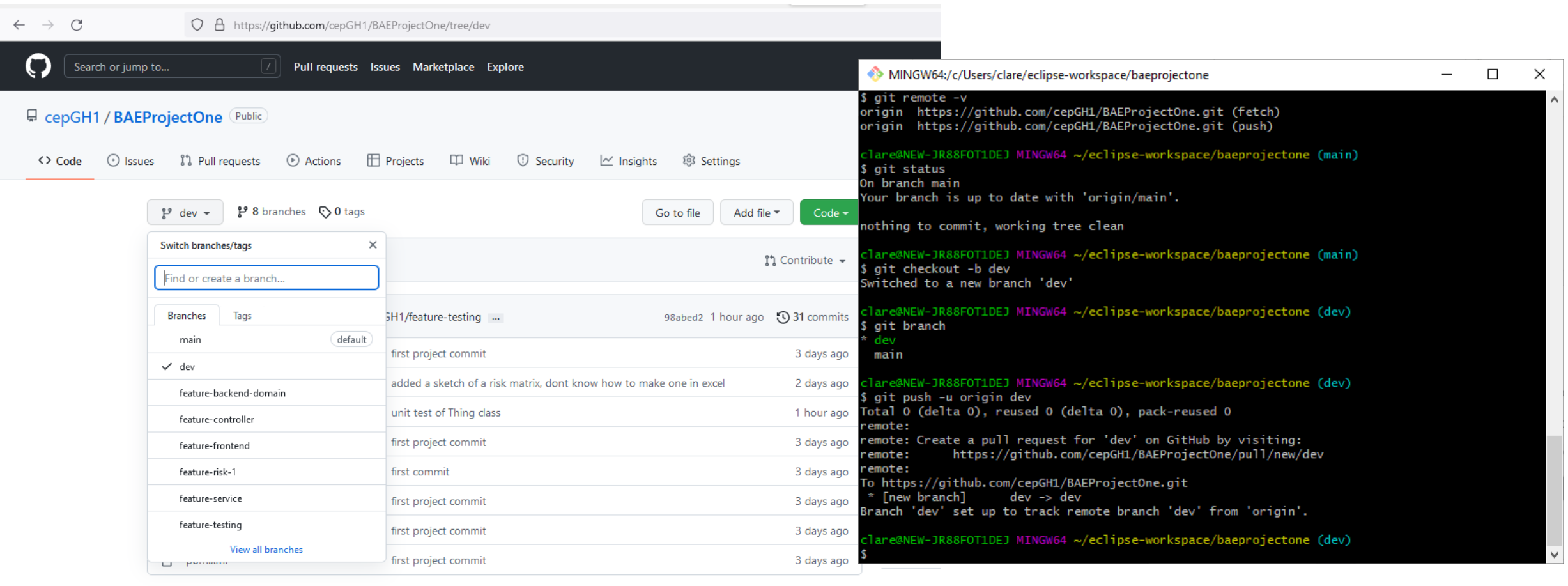- Start sprint

This should act as a todo list. Should ensure that no steps are missing and help to get to MVP.

Baeprojectone – what I learned

- The most major thing I learned was the use of axios to create and receive http requests carrying JSON payloads.

- Also learned lots about javascript and html dom manipulation

- Revised and reinforced what I knew about SpringBoot, maven

- Made me realise how little I knew about html/javascript

- Introduced me to bootstrap(I want to get to know this much better)

Baeprojectone – Version Control

- Git and GitHub
- Using main, dev and feature branches

Baeprojectone – Testing

- Integration testing using mock mvc

- Unit testing using Mockito

Demo

Baeprojectone – Sprint Review

- Completed all of my (not very ambitious) sprint issues
- Would like better test coverage

Baeprojectone – Sprint retrospective

- The Front End could be improved a lot
  - Adding interactivity to my overall list
- Version 2 of this project would include a deadline date in the entity and javascript to show how close to deadline the item is. (amongst other features)

Baeprojectone – Conclusion

- I could have been more ambitious with my entity, used more columns in my table and demonstrated that I do know what other data-types can be held in a MySQL schema

- This is very good practice for using springboot

- I particularly need to practise with bootstrap and javascript Dom methods.