# baeprojectone

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- Chose to start with the very 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)

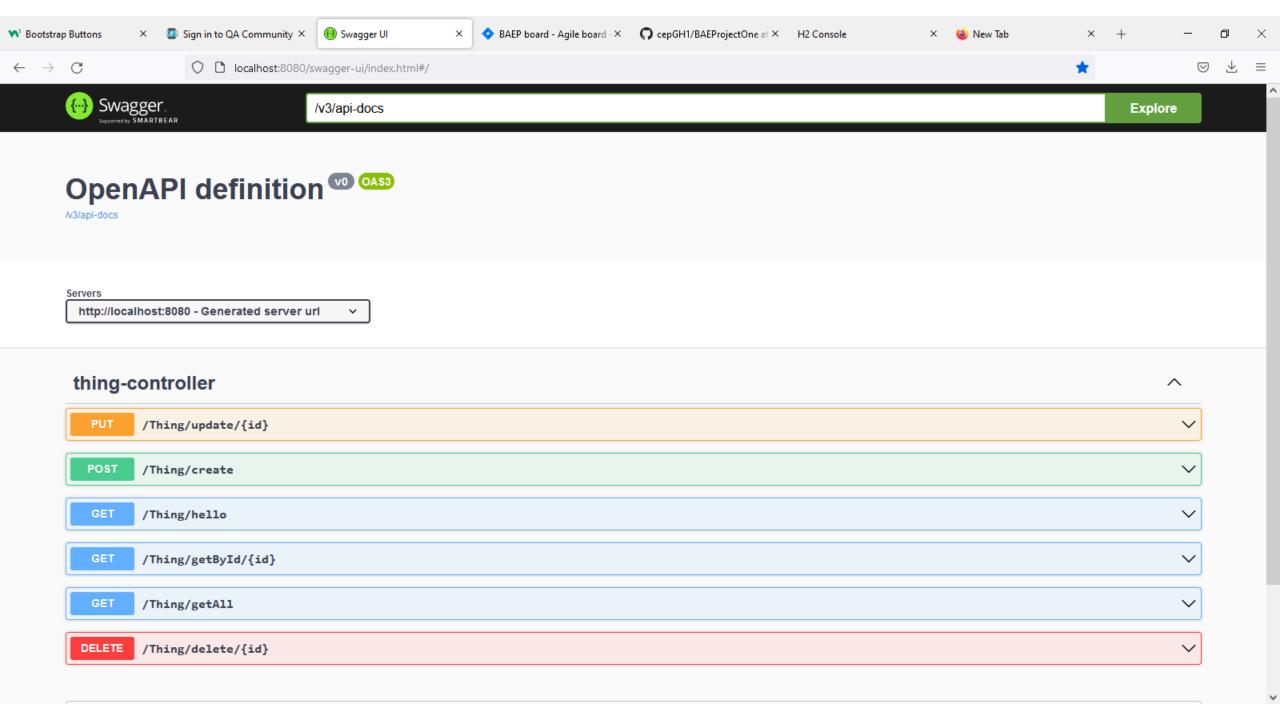
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#### A ToDo List

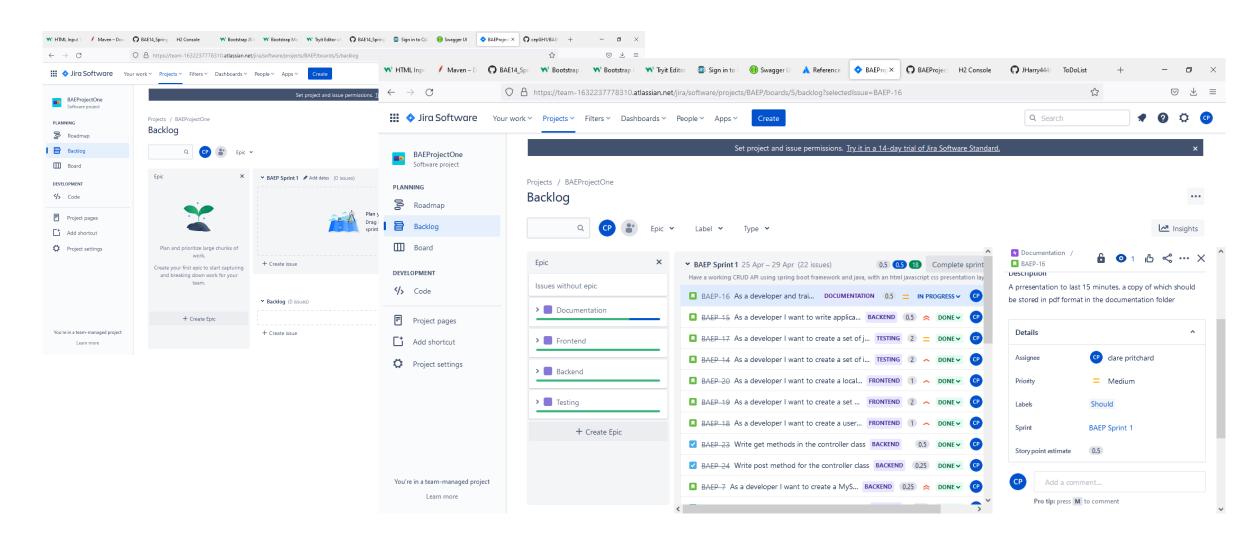
- Persistance Layer mySQL server 8
- Backend Java, Maven, Springboot framework
- Frontend HTML/JavaScript/css (axios and bootstrap libraries)

# 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)
- Swagger can also be used(see screen shot on next slide)
- 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



#### Baeprojectone – planning – backlog and sprint

- 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

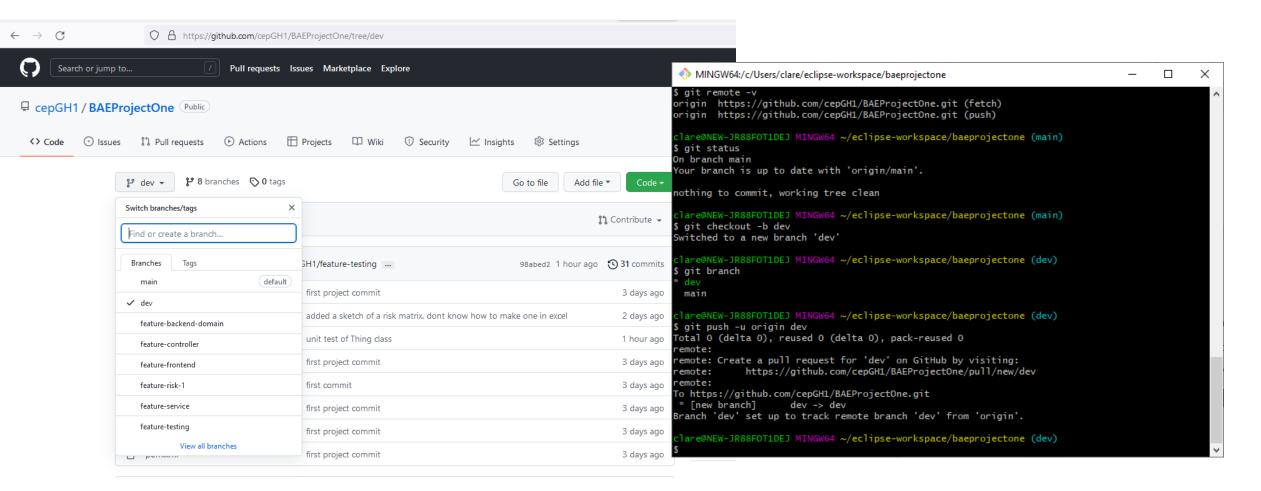
This should act as a todo list. Should ensure that no steps are missing and help to get to MVP.

#### Baeprojectone – what I learned

- The best thing I learned: 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)

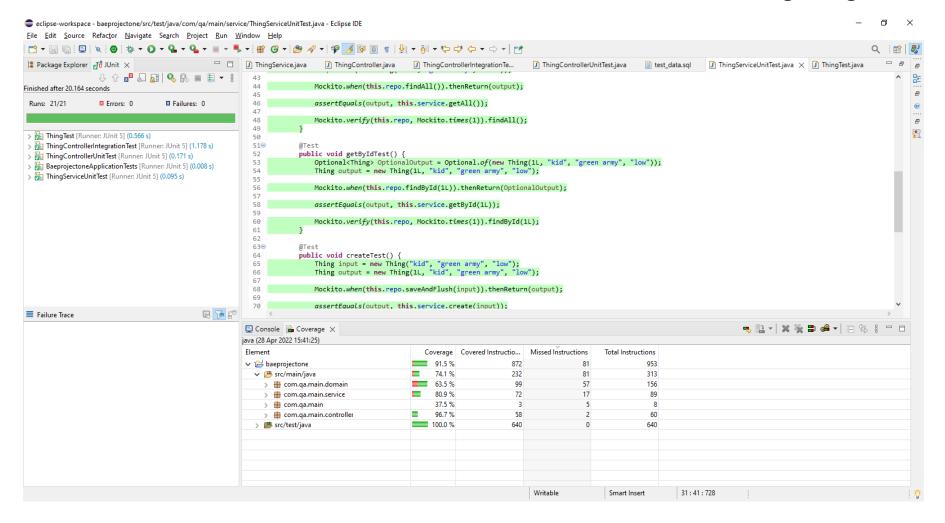
#### Baeprojectone – Version Control

- 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 that 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.