TDL Project

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Introduction

Who are you? How did you approach the specification?

About me: Maths graduate from 2019

How did I approach the specification:

First read the mark scheme, deliverables, then the project outline

Made my project board/risk assessments outline first with use/acceptance cases first so I knew what I needed to do

Used Vinesh's code as a reference for backend coding.

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Consultant Journey

What technologies have you learned for this project?

- Git (VCS)
- Relational Databases
- Java
- Maven
- JUnit
- Agile
- Jira
- SQL
- Mockito
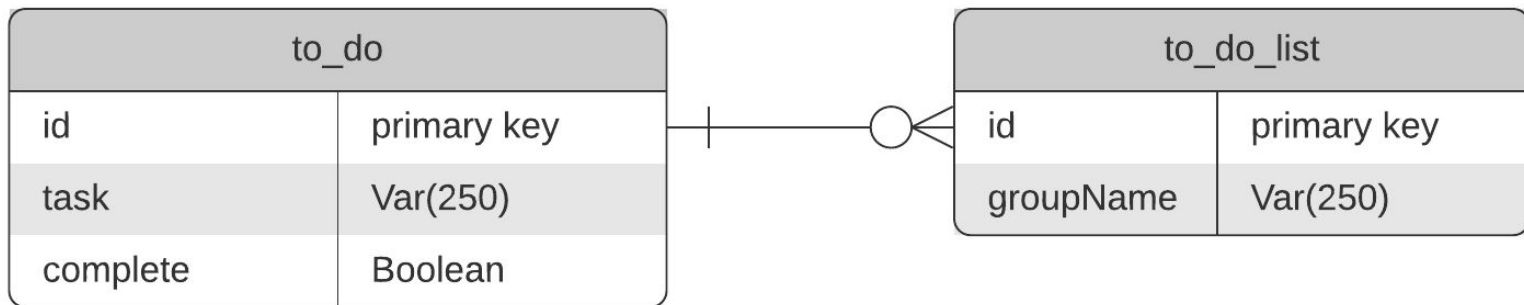- SpringBoot
- Selenium
- Javascript
- CSS
- HMTL

CI

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-Used Feature Branch Model with Git(Hub)

-Feature branches grouped by large blocks as sole programmer.

-The inexperience with coding would likely mean I would have to constantly go between methods so creating a branch for individual functionality would thus become redundant, more so as the sole programmer.
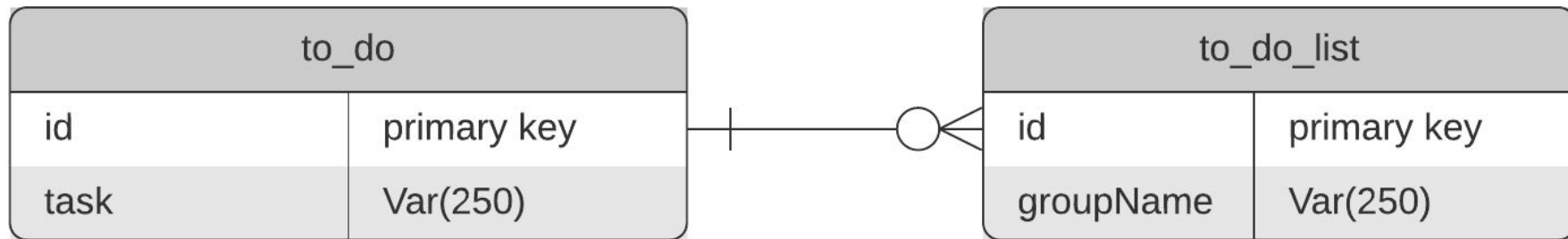
The ERD

The actual database layout was relatively simple so I was confident that it wouldn't change much over the course of the programming. Boolean ended up causing problems so opted to remove it.

to_do	
id	primary key
task	Var(250)
complete	Boolean

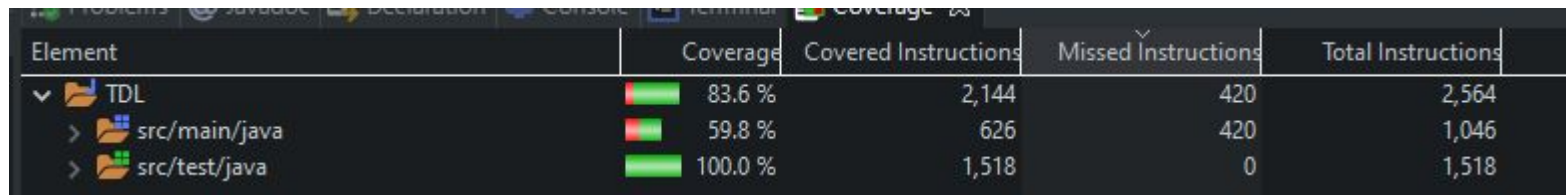| to_do_list	
id	primary key
groupName	Var(250)

The ERD

The actual database layout was relatively simple so I was confident that it wouldn't change much over the course of the programming. Boolean ended up causing problems so opted to remove it.

to_do	
id	primary key
task	Var(250)

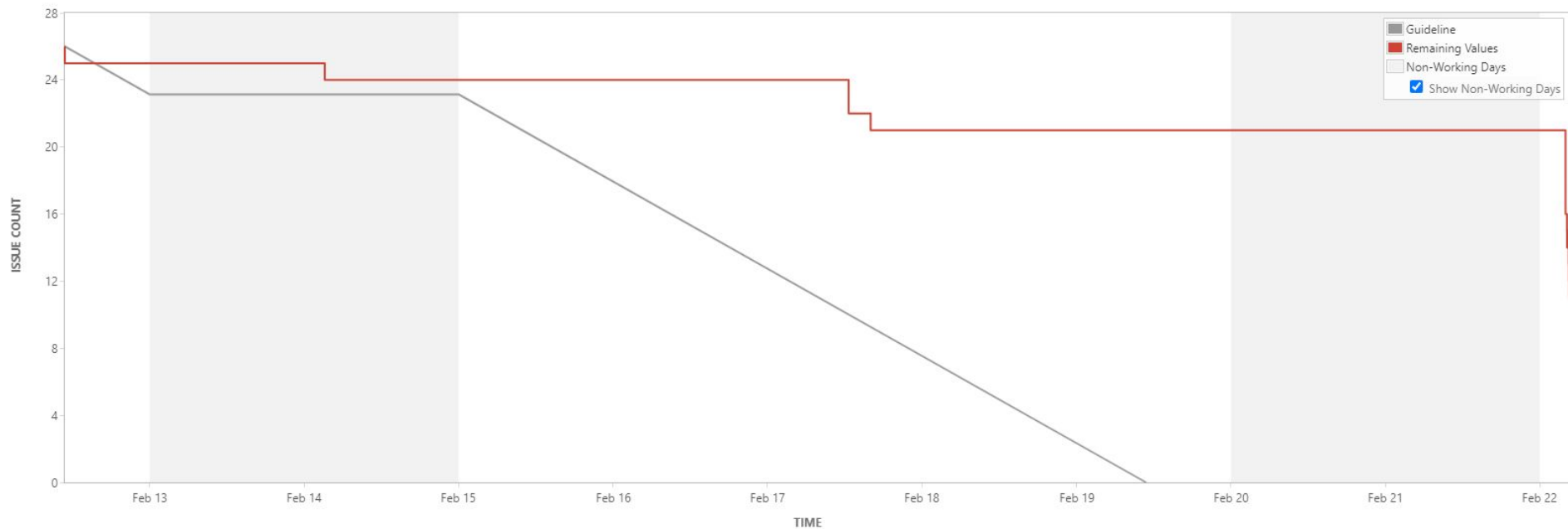| to_do_list	
id	primary key
groupName	Var(250)

Testing

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Unit testing Controllers was relatively straight forward. Testing between the two entities as almost exactly the same. Integration testing caused problems, usually caused by syntax issues.

Would of liked to JUnit test update function in Service but could not due to nullPointer error wrt parameters.

Element	Coverage	Covered Instructions	Missed Instructions	Total Instructions
⌄ 📂 TDL	83.6 %	2,144	420	2,564
> 📂 src/main/java	59.8 %	626	420	1,046
> 📂 src/test/java	100.0 %	1,518	0	1,518

Project board

Sprint Review

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-MVP CRUD functionality for ToDo and TaskList (collection of the former)

-Solid testing considerably higher than IMS project (may not show on Sonarqube due to concerning blame files).

-Unable to complete front end material

-Solid backend that works with Postman

Conclusion

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-Solidified understanding of testing

-Need to work on JavaScript and API

-Better coping mechanisms for stress

-Would of liked to add more detail to the entities

Questions