

TDL PROJECT

By Marco Castellana

TOPICS

- Technologies used
- Set up
- My approach to GIT
- Development
- Testing phase
- SonarQube
- Sprint review
- Sprint retrospective

Technologies Used

GIT

GitHub

Jira

MySQL

Java

HTML5, CSS,
JS

Spring Boot

Maven

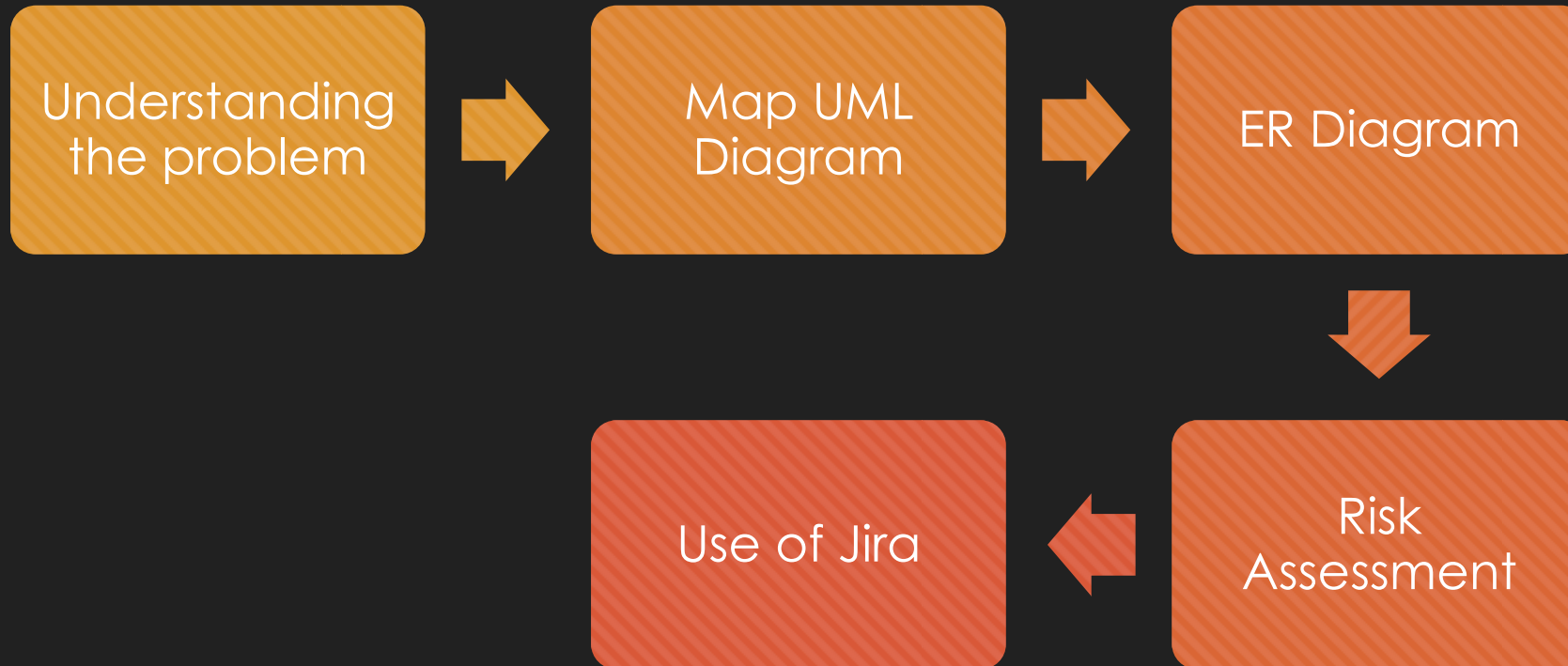
Junit

SonarQube

Eclipse IDE

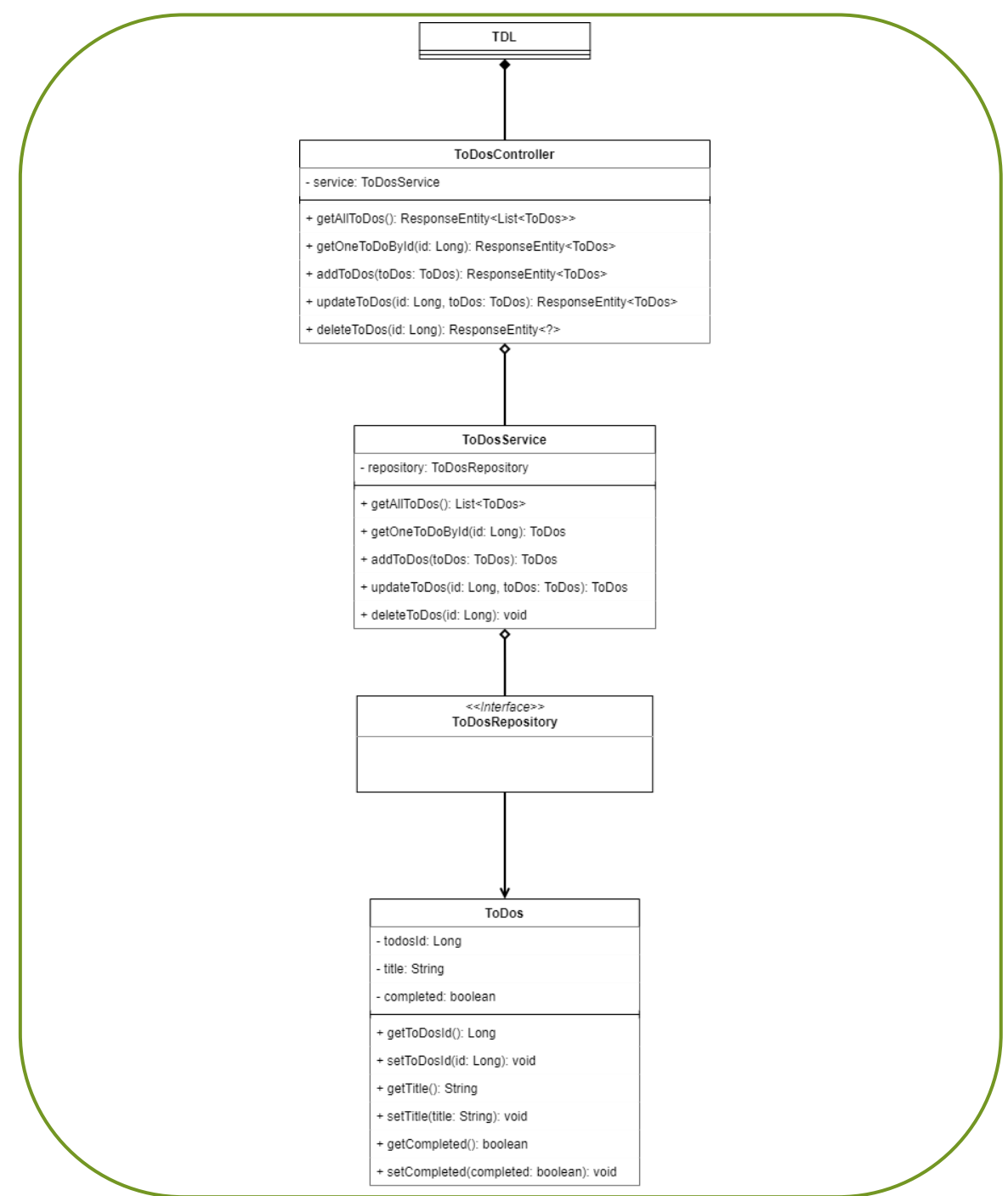
Visual
Studio
Code

Set up

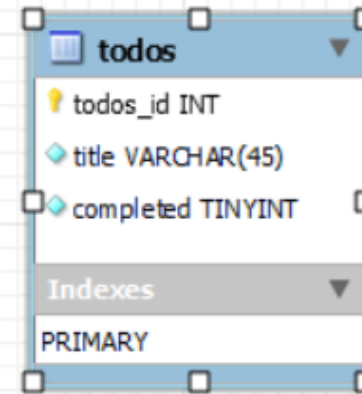


UML

- Controller
- Service
- Repository
- Model



ER Diagram



Jira and the Kanban Board

TDL Sprint 1

Q MC + Epic ▾ Label ▾

TO DO 19 ISSUES

As a developer I need to have a risk assessment, so that I know what risks can be encountered

PLANNING planning

TDL-7 1 MC

As a developer, I want to be able to look at the UML diagram, so that I can understand the whole structure of the application to be built.

PLANNING planning

TDL-9 2 MC

As a presenter, I need to have a presentation with slides, so that I can follow a guideline when presenting the project.

PRESENTATION presentation

TDL-10 2 MC

As a person, I need to know how to use and test the application, so that I know how to use and test the application.

PRESENTATION documentation

TDL-11 2 MC

As a developer, I need to test the front-end application, so

IN PROGRESS 1 ISSUE

As a developer, I want to be able to look at the ERD model, so that I can understand the structure of the database to be built.

PLANNING planning

TDL-8 1 MC

DONE ✓

Front-end part / TDL-41

As a user, I need to add a todo to a list, so that I can keep track of the things that need to be done.

Attach

Add a child issue

Link issue

Description

Add a description...

Activity

Show:

All

Comments

History

Newest first

MC

Add a comment...

Pro tip: press **M** to comment

Done

✓ Done

Details

Priority

High

Assignee

MC

Marco Castellana

Labels

frontend

Sprint

TDL Sprint 1

Story point estimate

2

Development

1 branch

1 commit

1 pull request

yesterday

MERGED

Reporter

MC

Marco Castellana

Created 2 days ago

Updated yesterday

Resolved yesterday

Configure

User Stories

Front-end part / TDL-25

As a user, I need to look at the logo, so that I can understand what the website is all about

Attach Add a child issue Link issue

Description

Add a description...

Activity

Show: All Comments History

Newest first

MC

Add a comment...

Pro tip: press M to comment

1

Done

Done

Details

Priority Medium

Assignee MC Marco Castellana

Labels frontend

Sprint TDL Sprint 1

Story point estimate 1

Reporter MC Marco Castellana

Created 3 days ago

Updated 3 days ago

Resolved 3 days ago

Configure

User Stories

Presentation / TDL-10

As a presenter, I need to have a presentation with slides, so that I can follow a guideline when presenting the project.

Attach

Add a child issue

Link issue

Description

·

Introduction: Who are you? How did you approach the specification?

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Concept: How did you initially approach the problem?

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Sprint plan: What needed to be included? What did you hope to achieve?

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Consultant Journey: What technologies have you learned for the project?

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CI: How did you approach version control?

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Testing: Coverage, static analysis, red-green-refactor

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Demonstration: Run through a couple of user stories

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Sprint review: What did you complete? What got left behind?

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Sprint retrospective: What went well? What could be improved?

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Conclusion: Reflections on the project, future steps, any other relevant info

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Questions: Leave 5 minutes for questions at the end of the presentation

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Diagrams and/or screenshots used where appropriate

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Your presentation should last a total of **15 minutes**

In Progress

Details

Priority

High

Assignee

MC

Marco Castellana

Labels

presentation

Sprint

TDL Sprint 1

Story point estimate

2

Reporter

MC

Marco Castellana

Created 3 days ago

Updated 13 hours ago

Configure

User Stories

My Approach to GIT

- Use of GIT and GitHub
- Use of branches to create features
- Use of Commits
- Merge to main when final product is stable and ready

Development

- SQL Development
- Front-End
- Back-End

Testing

- Unit
- Integration
- Selenium

Coverage				
tdl-project (4 Aug 2021 22:43:54)				
Element	Coverage	Instructions	Instructions	Instructions
tdl-project	98.7 %	1,323	17	1,340
src/main/java	91.7 %	187	17	204
src/test/java	100.0 %	1,136	0	1,136
com.qa.tdlproject.controllers	100.0 %	197	0	197
com.qa.tdlproject.selenium.pages	100.0 %	143	0	143
com.qa.tdlproject.selenium.tests	100.0 %	507	0	507
com.qa.tdlproject.services	100.0 %	289	0	289

Package Explorer JUnit	
Finished after 34.831 seconds	
Runs: 29/29	Errors: 0
Failures: 0	
<ul style="list-style-type: none"> ToDoControllerIntegrationTest [Runner: JUnit 5] (0.827 s) <ul style="list-style-type: none"> testListOneToDo() (0.422 s) testUpdateToDo() (0.297 s) testListAllToDos() (0.048 s) testCreateToDo() (0.026 s) testDeleteToDo() (0.030 s) ToDoServiceUnitTest [Runner: JUnit 5] (0.160 s) <ul style="list-style-type: none"> testUpdateToDo() (0.121 s) testListAllToDos() (0.020 s) testGetOneToDoById() (0.005 s) testCreateUnit() (0.003 s) testDeleteToDo() (0.007 s) ToDoServiceFailUnitTest [Runner: JUnit 5] (0.015 s) <ul style="list-style-type: none"> testUpdateToDo() (0.006 s) testGetOneToDoById() (0.004 s) testDeleteToDo() (0.004 s) ToDoListTest [Runner: JUnit 5] (16.183 s) HomeTest [Runner: JUnit 5] (8.944 s) 	

Testing


- Service tested with Unit tests (Mockito)
- Controller tested with Integration tests
- Front-end tested with Selenium











Selenium Tests


Package Explorer JUnit







Finished after 32.197 seconds

Runs: 16/16 ✖ Errors: 0 ✖ Failures: 0

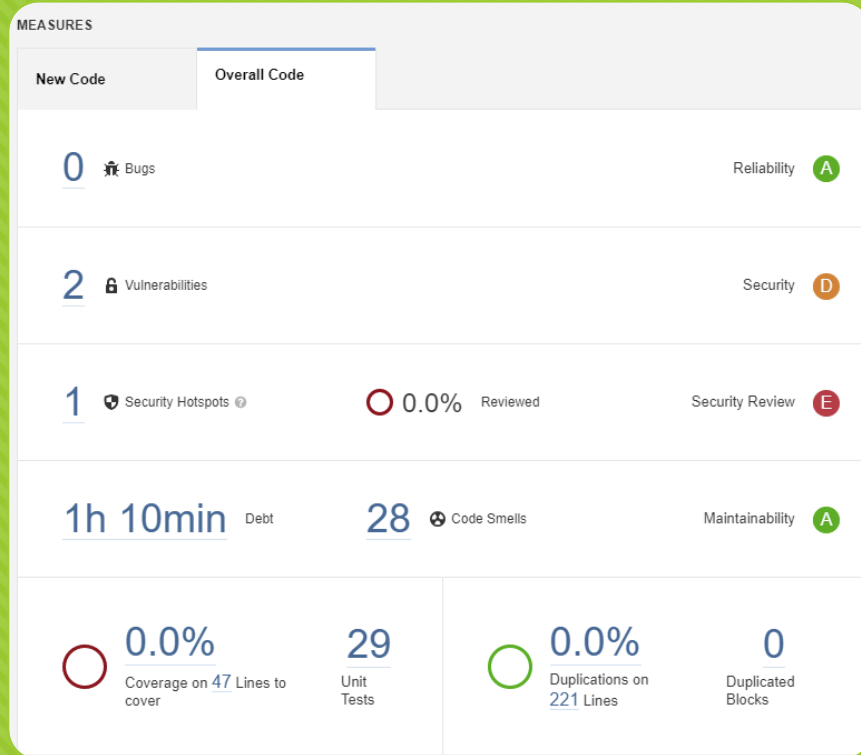
▼  ToDoListTest [Runner: JUnit 5] (17.138 s)

-  testLogoLink() (2.554 s)
-  testUpdateToDo() (1.921 s)
-  testGetOneToDo() (1.720 s)
-  testGetAllToDo() (1.515 s)
-  testOpeningPage() (1.460 s)
-  testLogoImg() (1.460 s)
-  testCreateToDo() (1.822 s)
-  testDeleteToDo() (1.742 s)
-  testFooter() (1.442 s)
-  testHomeNavbarLink() (1.493 s)

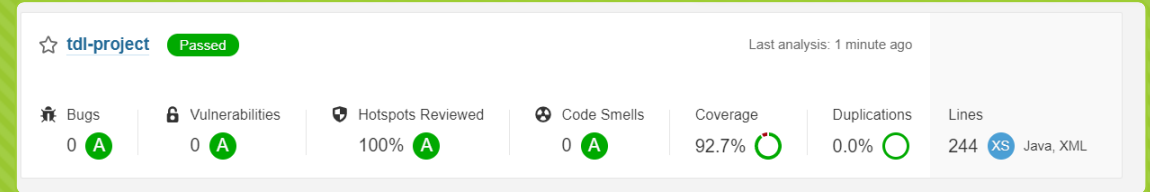
▼  HomeTest [Runner: JUnit 5] (9.100 s)

-  testLogoLink() (1.511 s)
-  testToDoListLink() (1.516 s)
-  testOpeningPage() (1.487 s)
-  testLogoImg() (1.558 s)
-  testLearnMoreBtn() (1.584 s)
-  testFooter() (1.439 s)

Before



After



SonarQube

Sprint Review

- Completed all user stories determined using MVP
- No delays

Sprint Retrospective

Past coding
experience
helped

Points score
have improved
since last time
use

Past project
experience
helped

Conclusion



Learned new
technologies



Exciting
experience



Able to use new
testing tools



Learned to build a
full-stack
application



Future steps may
be to deploy it to a
server



Thank you

Any Questions?