6.4. Custom QG
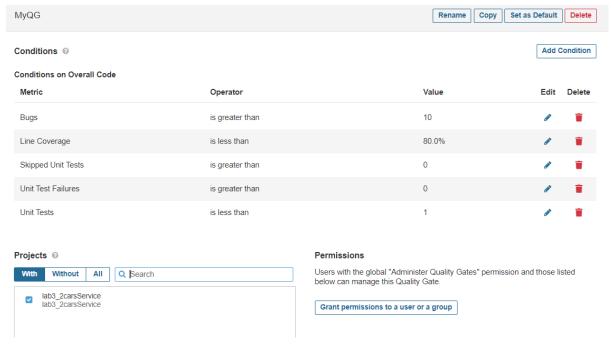
(a)
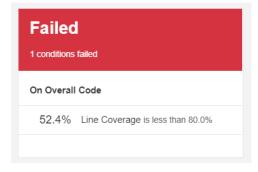
I chose to continue with the cars service project. I built a new quality gate with the metrics as shown below:

MyQG				
	Rename	Copy	Set as Default	Delete

Conditions ⓘ   **Add Condition**

Conditions on Overall Code

Metric	Operator	Value	Edit	Delete
Bugs	is greater than	10	✏️	🗑️
Line Coverage	is less than	80.0%	✏️	🗑️
Skipped Unit Tests	is greater than	0	✏️	🗑️
Unit Test Failures	is greater than	0	✏️	🗑️
Unit Tests	is less than	1	✏️	🗑️

Projects ⓘ

With	Without	All	🔍 Search

☑️ lab3_2carsService
   lab3_2carsService

Permissions

Users with the global "Administer Quality Gates" permission and those listed below can manage this Quality Gate.

Grant permissions to a user or a group

I chose to give some focus to unit tests, as they are the foundation tests that test the basic functionality of the project.

(b)

The quality gate broke due to insufficient line coverage.

Failed
1 conditions failed

On Overall Code

52.4% Line Coverage is less than 80.0%

As well as that, there were some code smells present:

📄 src/.../java/tqs/lab3_2carsService/Car.java

☐ **1 duplicated blocks of code must be removed.** **DEPRECATED**   Why is this an issue? 45 minutes ago ▾ 🔗 🔽
  ⊗ Code Smell ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 20min effort Comment   🏷️ pitfall ▾

📄 src/.../java/tqs/lab3_2carsService/CarController.java

☐ **Remove this unnecessary import: same package classes are always implicitly imported.** ⊖   Why is this an issue? 45 minutes ago ▾ L8 🔗 🔽
  ⊗ Code Smell ▾ 🟡 Minor ▾ ○ Open ▾ Not assigned ▾ 2min effort Comment   🏷️ unused ▾

📄 src/.../java/tqs/lab3_2carsService/CarDTO.java

☐ **1 duplicated blocks of code must be removed.** **DEPRECATED**   Why is this an issue? 45 minutes ago ▾ 🔗 🔽
  ⊗ Code Smell ▾ 🔺 Major ▾ ○ Open ▾ Not assigned ▾ 20min effort Comment   🏷️ pitfall ▾

☐ **Rename this package name to match the regular expression '^[a-z_]+(\.[a-z_][a-z0-9_]*)*$'.**   Why is this an issue? 45 minutes ago ▾ L1 🔗 🔽
  ⊗ Code Smell ▾ 🟡 Minor ▾ ○ Open ▾ Not assigned ▾ 10min effort Comment   🏷️ convention ▾

4 of 4 shown