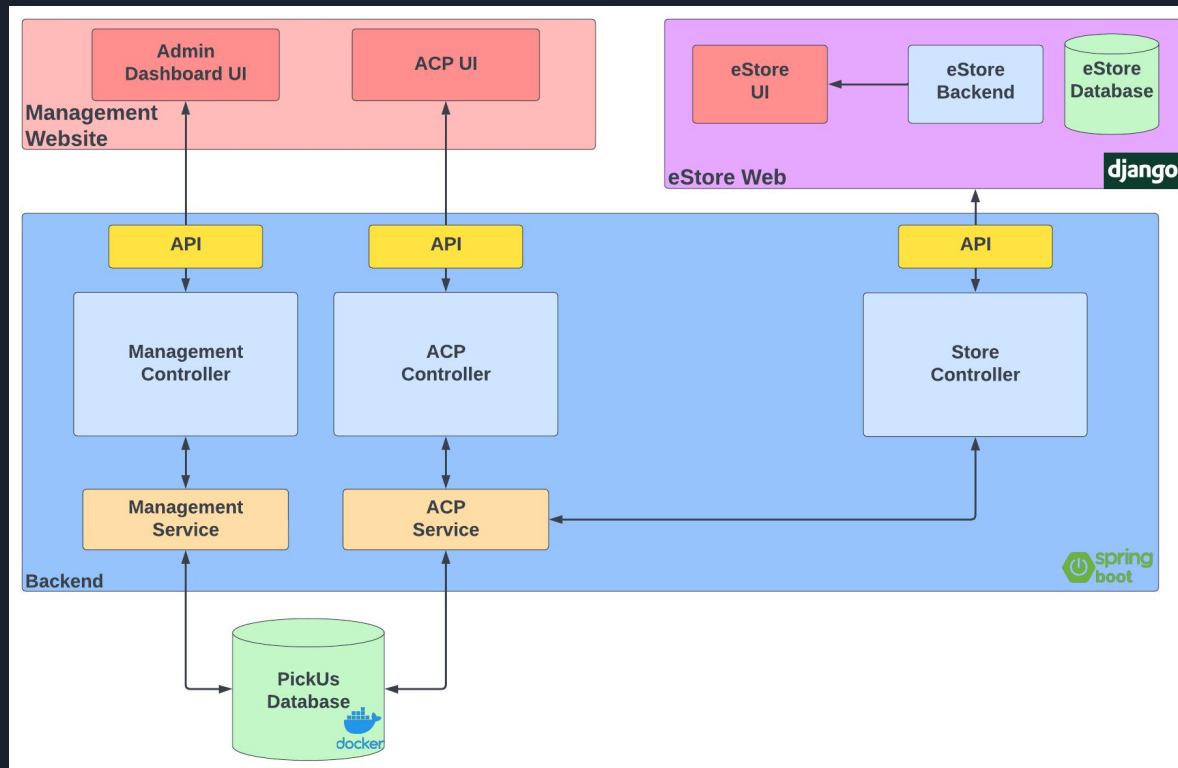# PickUS

Alexandre Gazur   102751
Daniel Ferreira   102885
Emanuel Marques   102565
Ricardo Pinto   103078

Architecture

Feature Branching

feature/TQSPROJ-34/register-acps ✓

#28 by Xela10001 was merged 2 weeks ago

TQSPROJ-17 / TQSPROJ-26

Accept New ACP Applications

Anexar   Adicionar um problema secundário   Associar problema   ⌄

Descrição
As an administrator, I want to accept new ACP applications so that we have more drop off locations available.

GIVEN I'm in the Admin Dashboard page
WHEN I receive an ACP application
AND I click "Accept Application"
THEN the application is accepted
AND that ACP becomes a new drop off site.

Pull Requests

☐ ⎇ **Bugfix: allow cors origin to integrate with web apps** ✓ 💬 2
#32 by DanielFerreira011102 was merged last week

☐ ⎇ **feature/TQSPROJ-43/track-orders** ✓ 💬 1
#31 by Xela10001 was merged last week

☐ ⎇ **feature/TQSPROJ-40/list-acps** ✓ 💬 1
#30 by Xela10001 was merged last week

☐ ⎇ **feature/TQSPROJ-38/order-products** ✓ 💬 2
#29 by Xela10001 was merged last week

☐ ⎇ **feature/TQSPROJ-34/register-acps** ✓ 💬 2
#28 by Xela10001 was merged 2 weeks ago

☐ ⎇ **Hotfix: delete folder 'target' and gitignore it** ✓ 💬 1
#27 by zzzzz151 was merged 2 weeks ago

☐ ⎇ **Bug fix: fixed sonar coverage always 0 by refactoring CI workflow and adding jacoco** ✓ 💬 1
#26 by zzzzz151 was merged 2 weeks ago

☐ ⎇ **Bugfix sonar coverage always 0 - workflow refactor and jacoco added** ✗ 💬 1
#25 by zzzzz151 was closed 2 weeks ago

☐ ⎇ **Fixing bug sonar coverage always 0 by adding jacoco** ✗ 💬 1
#24 by zzzzz151 was closed 2 weeks ago

Coding style

Android Open Source Project (AOSP) Java coding
style

- Naming Conventions
- Use english language
- Treat acronyms and abbreviations as words:
  - Class Html (not HTML)
  - String url (not URL)
- Use standard brace style
- Explicit access level
- Single declaration per line
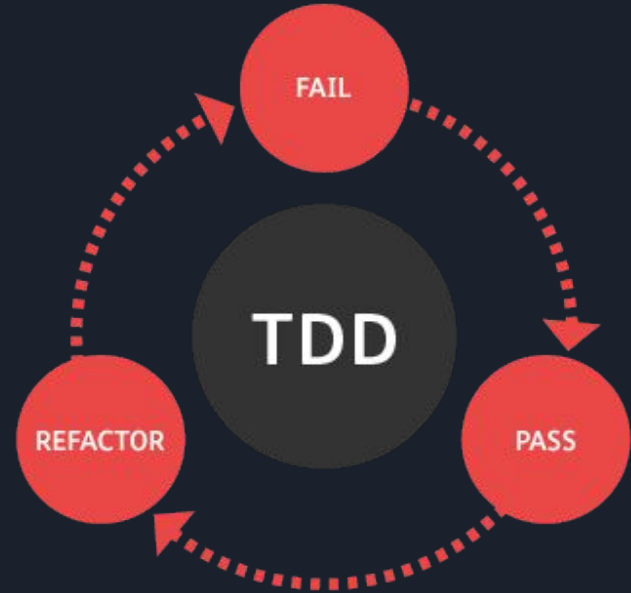- TODO comments (temporary)
- and other

Software development practice

Test Driven Development (TDD)

We followed TDD whenever possible

The important thing is that we continued to use tests to ensure that everything worked before moving forward.
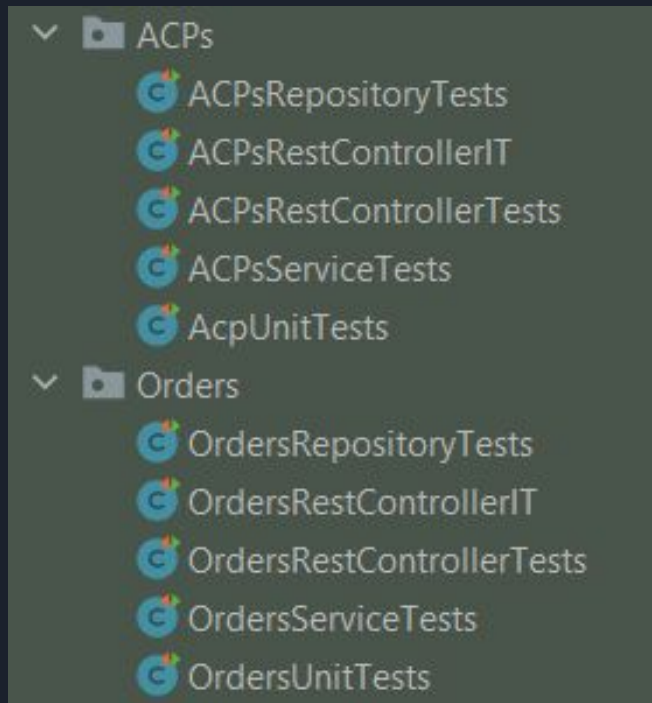
Unit Tests

ACP - 12 Unit Tests
Orders - 9 Unit Tests

Repository Tests limit the scope to just data access
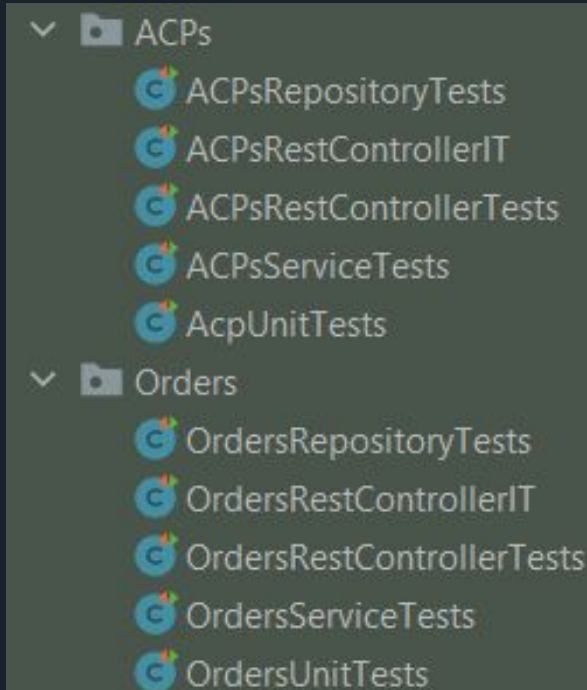Services Tests mock their repository
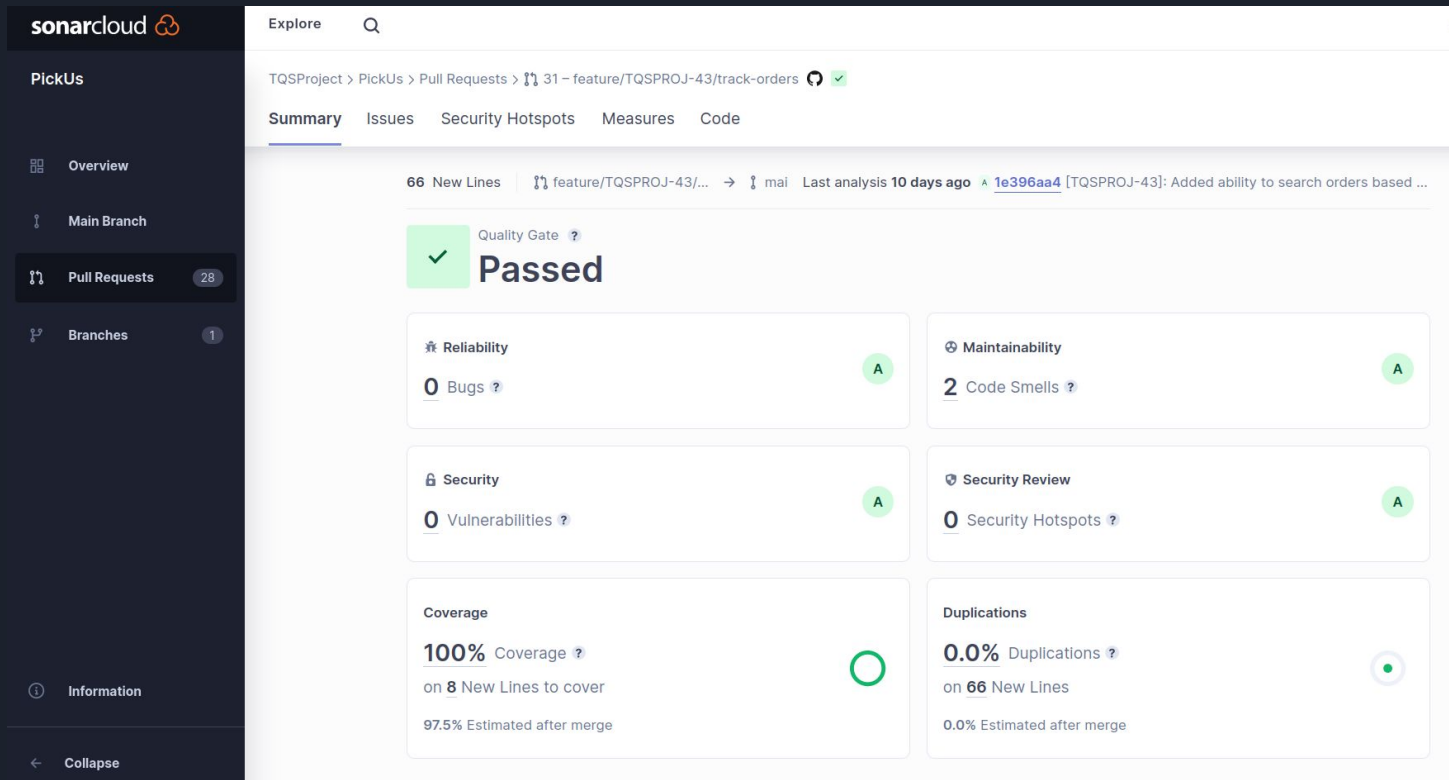Controller Tests mock their service and use MockMVC

Integration Tests

5 Integration Tests

Uses the entire system (@SpringBootTest)
Tests POST and GET endpoints

Static Code Analysis

SonarCloud Quality Gate

Sonar way + overall code

⋮

Conditions ?

Add Condition

Conditions on New Code
Conditions on New Code apply to all branches and to Pull Requests.

Metric	Operator	Value		
Coverage	is less than	80.0%	✏	🗑
Duplicated Lines (%)	is greater than	3.0%	✏	🗑
Maintainability Rating	is worse than	A	✏	🗑
Reliability Rating	is worse than	A	✏	🗑
Security Hotspots Reviewed	is less than	100%	✏	🗑
Security Rating	is worse than	A	✏	🗑

Conditions on Overall Code
Conditions on Overall Code apply to long-lived branches only.

Metric	Operator	Value		
Coverage	is less than	80.0%	✏	🗑
Duplicated Lines (%)	is greater than	3.0%	✏	🗑
Maintainability Rating	is worse than	A	✏	🗑
Reliability Rating	is worse than	A	✏	🗑
Security Hotspots Reviewed	is less than	100%	✏	🗑
Security Rating	is worse than	A	✏	🗑

Continuous Integration Pipeline

GitHub Actions

Push or Pull Request events triggers this workflow which runs the tests and analyses the code with Sonar Cloud

```yaml
on:
  push:
    branches:
      - main
  pull_request:
    types: [opened, synchronize, reopened]

jobs:
  build:
    name: PickUs Tests
    runs-on: ubuntu-latest
    steps:
      - uses: actions/checkout@v3
        with:
          fetch-depth: 0  # Shallow clones should be disabled for a better relevancy of analysis
      - name: Set up JDK 17
        uses: actions/setup-java@v3
        with:
          java-version: 17
          distribution: 'zulu' # Alternative distribution options are available.
      - name: Create MySQL container
        run: docker compose -f PickUs/docker-compose.yml up mysql-db -d
      - name: Compile, run tests and integration tests
        run: mvn verify --file PickUs/pom.xml

  sonarAnalysis:
    name: Sonar Analysis
    if: ${{ always() }}
    needs: build
    runs-on: ubuntu-latest
    steps:
      - uses: actions/checkout@v3
        with:
          fetch-depth: 0  # Shallow clones should be disabled for a better relevancy of analysis
      - name: Set up JDK 17
        uses: actions/setup-java@v3
        with:
          java-version: 17
```
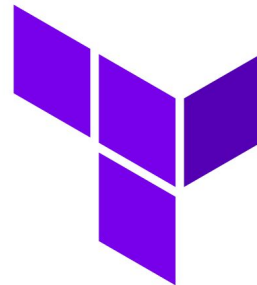
Deployment

Demo