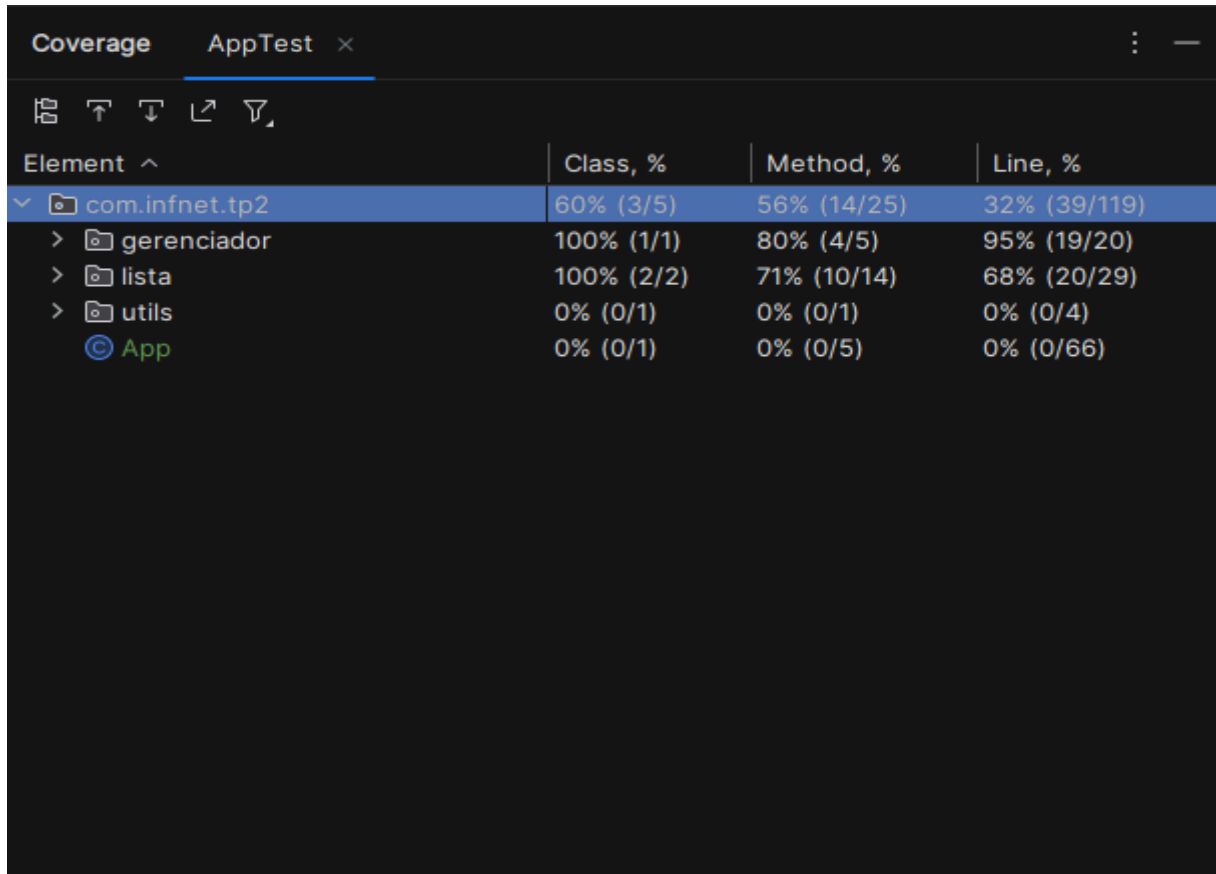


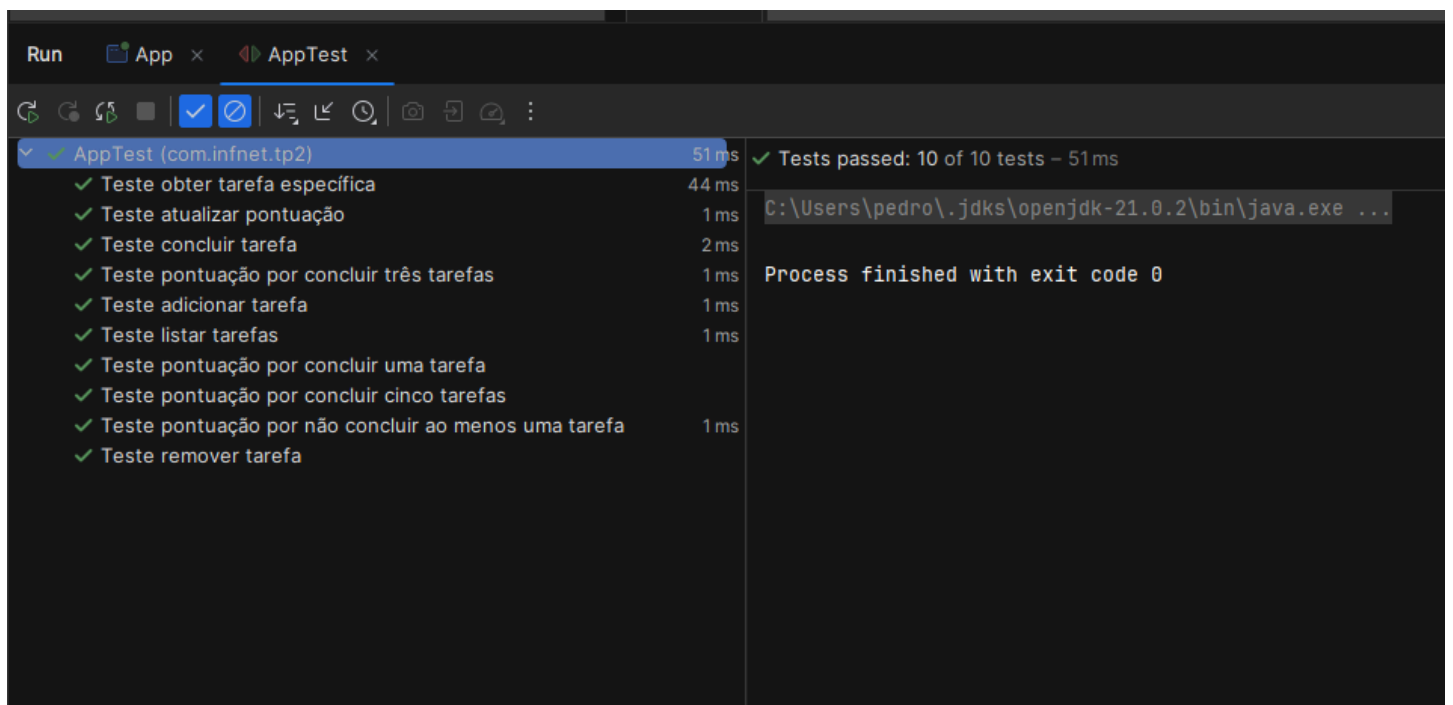
Cobertura de testes



The screenshot shows the Coverage tool interface for 'AppTest'. It displays a tree view of the project structure with columns for 'Element', 'Class, %', 'Method, %', and 'Line, %'. The 'com.infnet.tp2' package is expanded, showing sub-packages 'gerenciador', 'lista', and 'utils', along with the 'App' class. The 'App' class shows 0% coverage for all three metrics.

Element ^	Class, %	Method, %	Line, %
com.infnet.tp2	60% (3/5)	56% (14/25)	32% (39/119)
gerenciador	100% (1/1)	80% (4/5)	95% (19/20)
lista	100% (2/2)	71% (10/14)	68% (20/29)
utils	0% (0/1)	0% (0/1)	0% (0/4)
App	0% (0/1)	0% (0/5)	0% (0/66)

Execução dos testes unitários



The screenshot shows the Run tool interface for 'AppTest'. It displays a list of tests with their status and duration. The 'AppTest (com.infnet.tp2)' test is selected, showing a duration of 51 ms. The tests passed: 10 of 10 tests - 51 ms. The process finished with exit code 0.

Test Name	Duration
AppTest (com.infnet.tp2)	51 ms
Teste obter tarefa específica	44 ms
Teste atualizar pontuação	1 ms
Teste concluir tarefa	2 ms
Teste pontuação por concluir três tarefas	1 ms
Teste adicionar tarefa	1 ms
Teste listar tarefas	1 ms
Teste pontuação por concluir uma tarefa	
Teste pontuação por concluir cinco tarefas	
Teste pontuação por não concluir ao menos uma tarefa	1 ms
Teste remover tarefa	

Configuração inicial do JUnit

Importação do JUnit no pom.xml

```
m pom.xml (ListaDeTarefas) x
7 <version>1.0-SNAPSHOT</version>
8 <packaging>jar</packaging>
9
10 <name>ListaDeTarefas</name>
11 <url>http://maven.apache.org</url>
12
13 <properties>
14   <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
15 </properties>
16
17 <dependencies>
18   <dependency>
19     <groupId>org.jetbrains</groupId>
20     <artifactId>annotations</artifactId>
21     <version>RELEASE</version>
22     <scope>compile</scope>
23   </dependency>
24   <dependency>
25     <groupId>org.junit.jupiter</groupId>
26     <artifactId>junit-jupiter</artifactId>
27     <version>5.10.2</version>
28   </dependency>
29 </dependencies>
30 </project>
31
```

Criação do CanaryTest

```
© CanaryTest.java x
1 package com.infnet.tp2;
2
3 import org.junit.jupiter.api.DisplayName;
4 import org.junit.jupiter.api.Test;
5
6 import static org.junit.jupiter.api.Assertions.assertTrue;
7
8 new *
9
10 new *
11 void canarioEstaVivo() {
12   assertTrue(condition: true);
13 }
14 }
15
```