

# **Università degli Studi di Salerno**

**Corso di Ingegneria del Software**

## **EdenJewelry TestPlanEdenJewelry Versione 1.0**



Data: 13/02/2025

Progetto: EdenJewelry	Versione: 2.1
Documento: TestPlan_EdenJewelry	Data: 13/02/2025

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**Partecipanti:**

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Luigi Montuori	0512117799
Miriam Eva De Santis	0512117121

<b>Scritto da:</b>	
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**Revision History**

Data	Versione	Descrizione	Autore

at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)		
at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)		
at org.junit.internal.runners.statements.RunBefores.evaluate(RunBefores.java:26)		
at org.junit.internal.runners.statements.RunAfters.evaluate(RunAfters.java:27)		
at org.junit.runners.ParentRunner\$3.evaluate(ParentRunner.java:306)		
at org.junit.runners.BlockJUnit4ClassRunner\$1.evaluate(BlockJUnit4ClassRunner.java:100)		
at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)		
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)		
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)		
at org.junit.runners.ParentRunner\$4.run(ParentRunner.java:331)		
at org.junit.runners.ParentRunner\$1.schedule(ParentRunner.java:79)		
at org.junit.runners.ParentRunner.runChild(ParentRunner.java:329)		
at org.junit.runners.ParentRunner.access\$100(ParentRunner.java:56)		
at org.junit.runners.ParentRunner\$2.evaluate(ParentRunner.java:293)		
at org.junit.runners.ParentRunner\$3.evaluate(ParentRunner.java:306)		
at org.junit.runners.ParentRunner.run(ParentRunner.java:413)		
at org.junit.runner.JUnitCore.run(JUnitCore.java:137)		
at org.junit.runner.JUnitCore.run(JUnitCore.java:115)		
at org.junit.vintage.engine.execution.RunnerExecutor.execute(RunnerExecutor.java:42)		
at org.junit.vintage.engine.VintageTestEngine.executeAllChildren(VintageTestEngine.java:80)		
at org.junit.vintage.engine.VintageTestEngine.execute(VintageTestEngine.java:72)		
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:107)		
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:88)		
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.lambda\$execute\$0(EngineExecutionOrchestrator.java:54)		
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.withInterceptedStreams(EngineExecutionOrchestrator.java:67)		
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:52)		
at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:114)		
at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:96)		
at org.junit.platform.launcher.core.DefaultLauncherSession\$DelegatingLauncher.execute(DefaultLauncherSession.java:86)		
at org.junit.platform.launcher.core.SessionPerRequestLauncher.execute(SessionPerRequestLauncher.java:53)		
at com.intellij.junit5.JUnit5IdeaTestRunner.startRunnerWithArgs(JUnit5IdeaTestRunner.java:57)		
at com.intellij.junit4.JUnit4IdeaTestRunner.startRunner\$1.execute(IdeaTestRunner.java:38)		
at com.intellij.execution.junit.TestsRepeater.repeat(TestsRepeater.java:11)		
at com.intellij.junit.IdeaTestRunner\$Repeater.startRunner\$WithArgs(IdeaTestRunner.java:35)		
at com.intellij.junit.JUnit4IdeaTestRunner.prepareStreamsAndStart(JUnit4IdeaTestRunner.java:232)		
at com.intellij.junit.JUnit4IdeaTestRunner.main\$UnitStarter.java:55)		
testDoRetrieveByName	passed	7 ms
testDoDelete	passed	17 ms
testDoSave	passed	12 ms
testIsEmpty	passed	8 ms
WishlistDAOTest		20 ms
testDoDelete	passed	6 ms
testDoSave	passed	10 ms
testDoRetrieveByEmail	passed	4 ms
OrdineDAOTest		43 ms
testDoRetrieveByNumeroOrdine	passed	11 ms
testDoRetrieveAll	passed	6 ms
testDoRetrieveUltimoOrdine	passed	5 ms

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# 1. INTRODUZIONE

Nel seguente documento presentiamo l'esito dell'esecuzione dei test condotti sul nostro sistema.

L'obiettivo è verificare che il software soddisfi i requisiti definiti, identificando eventuali anomalie.

Nel report descriviamo i test eseguiti, superati, falliti ed eventuali errori. Inoltre, forniamo una sintesi dell'andamento complessivo del processo di testing, includendo metriche chiave ed evidenze dei risultati.

Questo documento rappresenta un riferimento per valutare l'affidabilità del sistema, andando a valutare sia i test di unità, di integrazione che di sistema.

Se si desiderasse approfondire l'argomento, nella nostra repository è possibile trovare la directory "testResults", la quale contiene i documenti:

- TestExecutionReport\_EdenJewelry;
- TestSummaryReport\_EdenJewelry;

Di seguito, si possono visionare i risultati dei test: unità, integrazione e sistema;

## 1.1. Test di unità

## 2.17 s

Collapse | Expand

1.88 s

passed 1.86 s

passed 9 ms

passed 9 ms

passed 10 ms

## 55 mg

passed 15 ms

passed 7 ms

passed 18 ms

passed 15 ms

## 47 mg

passed 11 ms

passed 9 ms

passed 9 ms

passed 18 ms

## 122 ms

passed 48 ms

failed 30 ms

```

at test.unit.dataManagement.dao.ProdottoDAOTest.testCercaProdottoPerNome(ProdottoDAOTest.java:187)
at java.base/jdk.internal.reflect.DirectMethodHandleAccessor.invoke(DirectMethodHandleAccessor.java:103)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)

```

at org.junit.runner.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)			
at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)			
at org.junit.internal.runners.statements.RunBefores.evaluate(RunBefores.java:26)			
at org.junit.internal.runners.statements.RunAfters.evaluate(RunAfters.java:27)			
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at org.junit.runner.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)			
at org.junit.runner.ParentRunner\$4.run(ParentRunner.java:331)			
at org.junit.runner.ParentRunner\$1.schedule(ParentRunner.java:79)			
at org.junit.runner.ParentRunner.runChild(ParentRunner.java:329)			
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at org.junit.runner.ParentRunner\$2.evaluate(ParentRunner.java:293)			
at org.junit.runner.ParentRunner\$3.evaluate(ParentRunner.java:306)			
at org.junit.runner.ParentRunner.run(ParentRunner.java:13)			
at org.junit.runner.JUnitCore.run(JUnitCore.java:137)			
at org.junit.runner.JUnitCore.run(JUnitCore.java:115)			
at org.junit.vintage.engine.execution.RunnerExecutor.execute(RunnerExecutor.java:42)			
at org.junit.vintage.engine.VintageTestEngine.executeAllChildren(VintageTestEngine.java:80)			
at org.junit.vintage.engine.VintageTestEngine.execute(VintageTestEngine.java:72)			
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:107)			
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:88)			
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.lambda\$execute\$0(EngineExecutionOrchestrator.java:54)			
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.lambda\$execute\$1(EngineExecutionOrchestrator.java:67)			
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:52)			
at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:114)			
at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:80)			
at org.junit.platform.launcher.core.SessionDelegatingLauncher.execute(DefaultLauncherSession.java:96)			
at org.junit.platform.launcher.core.SessionPerRequestLauncher.execute(SessionPerRequestLauncher.java:96)			
at com.intellij.junit4.JUnit4IdeaTestRunner.startRunnerWithArgs(JUnit4IdeaTestRunner.java:57)			
at com.intellij.junit.IdeaTestRunner\$Repeater\$1.execute(IdeaTestRunner.java:38)			
at com.intellij.execution.junit.TestsRepeater.repeat(TestsRepeater.java:11)			
at com.intellij.junit.IdeaTestRunner\$Repeater.startRunnerWithArgs(IdeaTestRunner.java:35)			
at com.intellij.junit.JUnitStarter.prepareStreamsAndStart(JUnitStarter.java:232)			
at com.intellij.junit.JUnitStarter.main(JUnitStarter.java:55)			
testDoRetrieveByName	passed	7 ms	
testDoDelete	passed	17 ms	
testDoSave	passed	12 ms	
testIsEmpty	passed	8 ms	
WishlistDAOTest		20 ms	
testDoDelete	passed	6 ms	
testDoSave	passed	10 ms	
testDoRetrieveByEmail	passed	4 ms	
OrdineDAOTest		43 ms	
testDoRetrieveByNumeroOrdine	passed	11 ms	
testDoRetrieveAll	passed	6 ms	
testDoRetrieveUltimoOrdine	passed	5 ms	
testDoDelete	passed	10 ms	
testDoSave	passed	11 ms	



## 1.2. Test d'integrazione

test.integration.application in EdenJewelry: 34 total, 7 error, 1 failed, 26 passed

2.74 s

[Collapse](#) | [Expand](#)

[illegible]

GestioneRegistrazioneTest

1.54 s

registerInvalidName

passed 1.38 s

registerSuccess

passed 103 ms

```

Inizializzazione dei mock
Chiusura delle risorse mock
org.mockito.exceptions.misusing.WrongTypeOfReturnValue:
Boolean cannot be returned by doRetrieveByEmail()
doRetrieveByEmail() should return UserBean
**
If you're unsure why you're getting above error read on.
Due to the nature of the syntax above problem might occur because:
1. This exception 'might' occur in wrongly written multi-threaded tests.
Please refer to Mockito FAQ on limitations of concurrency testing.
2. A spy is stubbed using when(spy.foo()).then() syntax. It is safer to stub spies
- with doReturn(Throw) family of methods. More in javadocs for Mockito.spy()

```

```
at org.springframework.boot.SpringApplication.getMainMethodFromAnnotations(SpringApplication.java:103)
    at java.base/java.lang.reflect.Method.invoke(Method.java:580)
    at org.junit.runner.model.Framework$Method$1.runReflectiveCall(Framework$Method$1.java:59)
    at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
    at org.junit.runners.model.Framework$Method$1.evaluate(Framework$Method$1.java:66)
    at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
    at org.junit.internal.runners.statements.RunBefores.evaluate(RunBefores.java:26)
    at org.junit.internal.runners.statements.RunAfters.evaluate(RunAfters.java:27)
    at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
    at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
    at org.junit.runners.ParentRunner.run(ParentRunner.java:363)
    at org.junit.runner.JUnit4.run(JUnit4.java:104)
    at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
    at org.junit.runners.BlockJUnit4ClassRunner.runChildren(BlockJUnit4ClassRunner.java:133)
    at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
    at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:390)
    at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:393)
    at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
    at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
    at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
    at org.junit.runners.ParentRunner.run(ParentRunner.java:13)
    at org.junit.runner.JUnitCore.run(JUnitCore.java:137)
    at org.junit.runner.JUnitCore.run(JUnitCore.java:115)
    at org.junit.vintage.engine.execution.RunnerExecutor.execute(RunnerExecutor.java:42)
    at org.junit.vintage.engine.VintageTestEngine.executeAllChildren(VintageTestEngine.java:80)
    at org.junit.vintage.engine.VintageTestEngine.execute(VintageTestEngine.java:72)
    at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:107)
    at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:98)
    at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:54)
    at org.junit.platform.launcher.core.EngineExecutionOrchestrator.withInterceptedStreams(EngineExecutionOrchestrator.java:67)
    at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:52)
    at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:114)
    at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:86)
    at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:86)
    at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:86)
    at com.intellij.rn.junit.IdeaTestRunner$RepeatableTest$1.execute(IdeaTestRunner.java:38)
    at com.intellij.rt.execution.junit.TestRepeater.repeat(TestRepeater.java:11)
    at com.intellij.rt.execution.junit.IdeaTestRunner$RepeatableTest$1.execute(IdeaTestRunner.java:35)
    at com.intellij.rt.execution.junit.Launcher.prepareStreamsAndStart(Launcher.java:232)
    at com.intellij.rt.execution.junit.Launcher.main(Launcher.java:55)
```

registerInvalidEmail

passed 12 ms

registerInvalidLastName

passed 3 ms

GestioneAutenticazioneTest

224 ms

testLogoutNotLogged

passed 199 ms

testLogoutLogged

passed 5 ms

testLoginEmailnesistente

passed 7 ms

testLoginSuccess

passed 6 ms

### WishlistTest

273 ms

testViewWishList

error 234 ms

```
le b 13, 2025 6:44:01 PM main.java.dataManagement.dao.ProdottoDAO
INFO: DataSource prodotto istanziato correttamente
le b 13, 2025 6:44:01 PM main.java.dataManagement.dao.WishlistDAO
INFO: DataSource wishlist istanziato correttamente
le b 13, 2025 6:44:01 PM main.java.dataManagement.dao.ItemWishlistDAO
INFO: DataSource wishlist istanziato correttamente
java.lang.NullPointerException: Cannot invoke "java.sql.Connection.prepareStatement(String)" because "connection" is null
at main.java.dataManagement.dao.WishlistDAO.doRetrieveByEmail(WishlistDAO.java:127)
at main.java.application.gestioneAcquisti.WishlistViewWishList(WishList.java:80)
at test.integration.application.gestioneAcquisti.WishListTest.setViewWishList(WishListTest.java:97)
at java.base/jdk.internal.reflect.DirectMethodHandleAccessor.invoke(DirectMethodHandleAccessor.java:103)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
at org.junit.internal.runners.statements.RunBefores.evaluate(RunBefores.java:26)
at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
at org.junit.runners.ParentRunner$1.run(ParentRunner.java:79)
at org.junit.runners.ParentRunner.runChild(ParentRunner.java:329)
at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
at org.junit.runners.ParentRunner.run(ParentRunner.java:13)
at org.junit.runner.JUnitCore.run(JUnitCore.java:137)
at org.junit.runner.JUnitCore.run(JUnitCore.java:115)
at org.junit.vintage.engine.execution.RunnerExecutor.execute(RunnerExecutor.java:42)
at org.junit.vintage.engine.VintageTestEngine.executeAllHidden(VintageTestEngine.java:80)
at org.junit.vintage.engine.VintageTestEngine.execute(VintageTestEngine.java:72)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:107)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:88)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.lambda$execute$0(EngineExecutionOrchestrator.java:54)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.withInterceptedStreams(EngineExecutionOrchestrator.java:67)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:52)
at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:114)
at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:86)
at org.junit.platform.launcher.core.DefaultLauncherSession$DelegatingLauncher.execute(DefaultLauncherSession.java:86)
at org.junit.platform.launcher.core.SessionRequestLauncher.execute(SessionRequestLauncher.java:53)
at com.intellij.junit5.JUnit5IdeaTestRunner.startRunnerWithArgs(JUnit5IdeaTestRunner.java:57)
at com.intellij.rt.junit.IdeaTestRunner$Repeater$1.execute(IdeaTestRunner.java:38)
at com.intellij.rt.execution.junit.TestsRepeater.repeat(TestsRepeater.java:11)
at com.intellij.rt.junit.IdeaTestRunner$Repeater.startRunnerWithArgs(IdeaTestRunner.java:35)
at com.intellij.rt.junit.JUnit4TestRunner.prepareStreamsAndStart(JUnit4TestRunner.java:232)
at com.intellij.rt.junit.JUnit4TestRunner.main(JUnit4TestRunner.java:55)
```

#### testAggiungiWishListUtenteLoggato

error 14 ms

```
DataSource NON è null nella wrapper
Nome aggiungi wishlist: Anello
email aggiungi wishlist: anello@gmail.com
le b 13, 2025 6:44:01 PM main.java.dataManagement.dao.ProdottoDAO
INFO: DataSource prodotto istanziato correttamente
le b 13, 2025 6:44:01 PM main.java.dataManagement.dao.WishlistDAO
INFO: DataSource wishlist istanziato correttamente
le b 13, 2025 6:44:01 PM main.java.dataManagement.dao.ItemWishlistDAO
INFO: DataSource wishlist istanziato correttamente
java.lang.NullPointerException: Cannot invoke "java.sql.Connection.prepareStatement(String)" because "connection" is null
at main.java.dataManagement.dao.ProdottoDAO.doRetrieveByName(ProdottoDAO.java:127)
at main.java.application.gestioneAcquisti.WishListAggiungiWishList(WishList.java:31)
at test.integration.application.gestioneAcquisti.WishListTest.testAggiungiWishListUtenteLoggato(WishListTest.java:61)
at java.base/jdk.internal.reflect.DirectMethodHandleAccessor.invoke(DirectMethodHandleAccessor.java:103)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
at org.junit.internal.runners.statements.RunBefores.evaluate(RunBefores.java:26)
at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
at org.junit.runners.ParentRunner$1.run(ParentRunner.java:79)
at org.junit.runners.ParentRunner.runChild(ParentRunner.java:329)
at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
at org.junit.runners.ParentRunner.run(ParentRunner.java:13)
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at org.junit.vintage.engine.execution.RunnerExecutor.execute(RunnerExecutor.java:42)
at org.junit.vintage.engine.VintageTestEngine.executeAllHidden(VintageTestEngine.java:80)
at org.junit.vintage.engine.VintageTestEngine.execute(VintageTestEngine.java:72)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:107)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:88)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.lambda$execute$0(EngineExecutionOrchestrator.java:54)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.withInterceptedStreams(EngineExecutionOrchestrator.java:67)
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at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:114)
at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:86)
at org.junit.platform.launcher.core.DefaultLauncherSession$DelegatingLauncher.execute(DefaultLauncherSession.java:86)
at org.junit.platform.launcher.core.SessionRequestLauncher.execute(SessionRequestLauncher.java:53)
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at com.intellij.rt.junit.IdeaTestRunner$Repeater$1.execute(IdeaTestRunner.java:38)
at com.intellij.rt.execution.junit.TestsRepeater.repeat(TestsRepeater.java:11)
at com.intellij.rt.junit.IdeaTestRunner$Repeater.startRunnerWithArgs(IdeaTestRunner.java:35)
at com.intellij.rt.junit.JUnit4TestRunner.prepareStreamsAndStart(JUnit4TestRunner.java:232)
at com.intellij.rt.junit.JUnit4TestRunner.main(JUnit4TestRunner.java:55)
```

#### testAggiungiWishListUtenteNonLoggato

error 10 ms

```
DataSource NON è null nella wrapper
Nome aggiungi wishlist: Anello
email aggiungi wishlist:
le b 13, 2025 6:44:01 PM main.java.dataManagement.dao.ProdottoDAO
INFO: DataSource prodotto istanziato correttamente
le b 13, 2025 6:44:01 PM main.java.dataManagement.dao.WishlistDAO
INFO: DataSource wishlist istanziato correttamente
le b 13, 2025 6:44:01 PM main.java.dataManagement.dao.ItemWishlistDAO
INFO: DataSource wishlist istanziato correttamente
java.lang.NullPointerException: Cannot invoke "java.sql.Connection.prepareStatement(String)" because "connection" is null
at main.java.dataManagement.dao.ProdottoDAO.doRetrieveByName(ProdottoDAO.java:127)
at main.java.application.gestioneAcquisti.WishListAggiungiWishList(WishList.java:31)
at test.integration.application.gestioneAcquisti.WishListTest.testAggiungiWishListUtenteNonLoggato(WishListTest.java:72)
at java.base/jdk.internal.reflect.DirectMethodHandleAccessor.invoke(DirectMethodHandleAccessor.java:103)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
at org.junit.internal.runners.statements.RunBefores.evaluate(RunBefores.java:26)
at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
```



```
at org.junit.runners.BlockJUnit4ClassRunner$1.evaluate(BlockJUnit4ClassRunner.java:100)
at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:366)
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:103)
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:63)
at org.junit.runners.ParentRunner$4.run(ParentRunner.java:331)
at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:79)
at org.junit.runners.ParentRunner.runChild(ParentRunner.java:329)
at org.junit.runners.ParentRunner.access$100(ParentRunner.java:66)
at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:293)
at org.junit.runners.ParentRunner$3.evaluate(ParentRunner.java:306)
at org.junit.runners.ParentRunner.run(ParentRunner.java:413)
at org.junit.runner.JUnitCore.run(JUnitCore.java:137)
at org.junit.runner.JUnitCore.run(JUnitCore.java:115)
at org.junit.vintage.engine.execution.RunnerExecutor.execute(RunnerExecutor.java:42)
at org.junit.vintage.engine.VintageTestEngine.executeAllClasses(VintageTestEngine.java:80)
at org.junit.vintage.engine.VintageTestEngine.execute(VintageTestEngine.java:72)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:107)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:88)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.lambda$execute$0(EngineExecutionOrchestrator.java:54)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.withInterceptedStreams(EngineExecutionOrchestrator.java:67)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:52)
at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:114)
at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:86)
at org.junit.platform.launcher.core.DefaultLauncherSession$DelegatingLauncher.execute(DefaultLauncherSession.java:86)
at org.junit.platform.launcher.core.SessionPerRequestLauncher.execute(SessionPerRequestLauncher.java:53)
at com.intellij.junit5.JUnit5IdeaTestRunner.startRunnerWithArgs(JUnit5IdeaTestRunner.java:57)
at com.intellij.junit.IdeaTestRunner$Repeater$1.execute(IdeaTestRunner.java:38)
at com.intellij.rt.execution.junit.TestsRepeater.repeat(TestsRepeater.java:11)
at com.intellij.rt.junit.IdeaTestRunner$Repeater.startRunnerWithArgs(IdeaTestRunner.java:35)
at com.intellij.rt.junit.JUnitStarter.prepareStreamsAndStart(JUnitStarter.java:232)
at com.intellij.rt.junit.JUnitStarter.main(JUnitStarter.java:55)
```

testRemoveWishListProductNotEliminato

error 7 ms

```
feb 13, 2025 6:44:01 PM main.java.dataManagement.dao.ItemWishListDAO
INFO: DataSource wishList is not initialized correctly
java.lang.NullPointerException: Cannot invoke "java.sql.Connection.prepareStatement(String)" because "connection" is null
at main.java.dataManagement.dao.ItemWishListDAO.delete(ItemWishListDAO.java:87)
at main.java.application.gestioneAcquisti.WishList.removeWishList(java:70)
at test.integration.application.gestioneAcquisti.WishListTest.testRemoveWishListProductNotEliminato(WishListTest.java:86)
at java.base/jdk.internal.reflect.DirectMethodHandleAccessor.invoke(DirectMethodHandleAccessor.java:103)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
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at org.junit.platform.launcher.core.EngineExecutionOrchestrator.lambda$execute$0(EngineExecutionOrchestrator.java:54)
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at com.intellij.rt.junit.JUnitStarter.prepareStreamsAndStart(JUnitStarter.java:232)
at com.intellij.rt.junit.JUnitStarter.main(JUnitStarter.java:55)
```

testRemoveWishListProductToEliminato

error 8 ms

```
feb 13, 2025 6:44:01 PM main.java.dataManagement.dao.ItemWishListDAO
INFO: DataSource wishList is not initialized correctly
java.lang.NullPointerException: Cannot invoke "java.sql.Connection.prepareStatement(String)" because "connection" is null
at main.java.dataManagement.dao.ItemWishListDAO.delete(ItemWishListDAO.java:87)
at main.java.application.gestioneAcquisti.WishList.removeWishList(java:70)
at test.integration.application.gestioneAcquisti.WishListTest.testRemoveWishListProductToEliminato(WishListTest.java:79)
at java.base/jdk.internal.reflect.DirectMethodHandleAccessor.invoke(DirectMethodHandleAccessor.java:103)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:59)
at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:56)
at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
at org.junit.internal.runners.statements.RunBefores.evaluate(RunBefores.java:26)
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at org.junit.vintage.engine.VintageTestEngine.execute(VintageTestEngine.java:72)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:107)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:88)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.lambda$execute$0(EngineExecutionOrchestrator.java:54)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.withInterceptedStreams(EngineExecutionOrchestrator.java:67)
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at org.junit.platform.launcher.core.DefaultLauncherSession$DelegatingLauncher.execute(DefaultLauncherSession.java:86)
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at com.intellij.junit5.JUnit5IdeaTestRunner.startRunnerWithArgs(JUnit5IdeaTestRunner.java:57)
at com.intellij.junit.IdeaTestRunner$Repeater$1.execute(IdeaTestRunner.java:38)
at com.intellij.rt.execution.junit.TestsRepeater.repeat(TestsRepeater.java:11)
at com.intellij.rt.junit.IdeaTestRunner$Repeater.startRunnerWithArgs(IdeaTestRunner.java:35)
at com.intellij.rt.junit.JUnitStarter.prepareStreamsAndStart(JUnitStarter.java:232)
at com.intellij.rt.junit.JUnitStarter.main(JUnitStarter.java:55)
```

addProductInvalidCategory()	passed	381 ms
addProductInvalidPrice()	passed	5 ms
addProductInvalidName()	passed	5 ms
addProductSuccess()	passed	24 ms
removeProduct()	passed	7 ms
addProductInvalidQuantity()	passed	7 ms
RicercaTest		22 ms
searchWithEmptyName()	passed	4 ms
searchWithEmptyCategory()	failed	6 ms
Inizializzazione dei mock Chiusura delle risorse mock org.junit.Assert.assertTrue(org.junit.AssertionFailedError: at org.junit.jupiter.api.Assertions.assertTrue(AssertionUtils.java:55) at org.junit.jupiter.api.Assertions.assertTrue(AssertionUtils.java:40) at org.junit.jupiter.api.Assertions.assertTrue(AssertionUtils.java:35) at org.junit.jupiter.api.Assertions.assertTrue(AssertionUtils.java:179) at test.integration.application.questions.Catalogo.RicercaTest.searchWithEmptyCategory(RicercaTest.java:69) at java.base/jdk.internal.reflect.DirectMethodHandleAccessor.invoke(DirectMethodHandleAccessor.java:103) at java.base/java.lang.reflect.Method.invoke(Method.java:580) at org.junit.platform.commons.util.ReflectionUtils.invokeMethod(ReflectionUtils.java:725) at org.junit.jupiter.engine.execution.MethodInvocation.proceed(MethodInvocation.java:60) at org.junit.jupiter.engine.execution.InvocationInterceptorChain\$ValidatingInvocation.proceed(InvocationInterceptorChain.java:131) at org.junit.jupiter.engine.extension.TimeoutExtension.intercept(TimeoutExtension.java:149) at org.junit.jupiter.engine.extension.TimeoutExtension.interceptTestableMethod(TimeoutExtension.java:140) at org.junit.jupiter.engine.extension.TimeoutExtension.interceptTestMethod(TimeoutExtension.java:84) at org.junit.jupiter.engine.execution.ExecutableInvoker\$ReflectiveInterceptorCall.lambda\$ofVoidMethod\$0(ExecutableInvoker.java:115) at org.junit.jupiter.engine.execution.ExecutableInvoker.lambda\$invoke\$0(ExecutableInvoker.java:105) at org.junit.jupiter.engine.execution.InvocationInterceptorChain\$InterceptedInvocation.proceed(InvocationInterceptorChain.java:106) at org.junit.jupiter.engine.execution.InvocationInterceptorChain.proceed(InvocationInterceptorChain.java:64) at org.junit.jupiter.engine.execution.InvocationInterceptorChain.chainAndInvoke(InvocationInterceptorChain.java:45) at org.junit.jupiter.engine.execution.ExecutableInvoker.invoke(ExecutableInvoker.java:37) at org.junit.jupiter.engine.execution.ExecutableInvoker.invoke(ExecutableInvoker.java:104) at org.junit.jupiter.engine.execution.ExecutableInvoker.invoke(ExecutableInvoker.java:98) at org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.lambda\$invokeTestMethod\$7(TestMethodTestDescriptor.java:214) at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73) at org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.invokeTestMethod(TestMethodTestDescriptor.java:210) at org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(TestMethodTestDescriptor.java:155) at org.junit.jupiter.engine.descriptor.TestMethodTestDescriptor.execute(TestMethodTestDescriptor.java:66) at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda\$executeRecursively\$6(NodeTestTask.java:151) at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73) at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda\$executeRecursively\$8(NodeTestTask.java:141) at org.junit.platform.engine.support.hierarchical.Node.around(Node.java:137) at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda\$executeRecursively\$9(NodeTestTask.java:139) at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73) at org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRecursively(NodeTestTask.java:138) at org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestTask.java:95) at java.base/java.util.ArrayList.forEach(ArrayList.java:1596) at org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService.java:41) at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda\$executeRecursively\$6(NodeTestTask.java:155) at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73) at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda\$executeRecursively\$8(NodeTestTask.java:141) at org.junit.platform.engine.support.hierarchical.Node.around(Node.java:137) at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda\$executeRecursively\$9(NodeTestTask.java:139) at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73) at org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRecursively(NodeTestTask.java:138) at org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestTask.java:95) at java.base/java.util.ArrayList.forEach(ArrayList.java:1596) at org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService.java:41) at 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org.junit.platform.launcher.core.DefaultLauncherSession\$DelegatingLauncher.execute(DefaultLauncherSession.java:86) at org.junit.platform.launcher.core.SessionRequestLauncher.execute(SessionRequestLauncher.java:53) at com.intellij.junit5.JUnit5IdeaTestRunner.startRunnerWithArgs(JUnit5IdeaTestRunner.java:57) at com.intellij.junit5.JUnit5IdeaTestRunner\$RunnerStarter.execute(JUnit5IdeaTestRunner.java:38) at com.intellij.execution.junit5.TestsRequester.run(TestsRequester.java:11) at com.intellij.junit5.JUnit5IdeaTestRunner\$RunnerStarter.runWithArgs(JUnit5IdeaTestRunner.java:35) at com.intellij.junit5.JUnit5IdeaTestRunner.prepareStreamsAndStart(JUnit5IdeaTestRunner.java:232) at com.intellij.junit5.JUnit5IdeaTestRunner.main(JUnit5IdeaTestRunner.java:55)		
searchNotSuccess()	passed	4 ms
searchSuccess()	passed	5 ms
searchWithNullCategory()	passed	3 ms
CarrelloTest		33 ms
testDeleteFromCart()	passed	8 ms
testAddDuplicateProduct()	passed	9 ms
testAddToCart()	passed	4 ms
testModificaQuantità()	passed	8 ms
testIsEmpty()	passed	4 ms
CheckoutControlTest		223 ms
testCheckoutInvalidMetodoPagamento()	passed	203 ms
testCheckoutEmptyCart()	passed	7 ms
testCheckoutSuccess()	error	13 ms
Inizializzazione dei mock Feb 13, 2025 6:44:02 PM main.java.dataManagement.dao.OrdineDAO INFO: DataSource ordine è istanziato correttamente Tentativo di inserimento ordine: Email: email@example.com Totale: 0.0 Metodo Pagamento: 2222222222 22 222 Indirizzo: indirizzo 1 c/ Ordine salvato con successo. Chiusura delle risorse mock org.mockito.exceptions.misusing.CannotStubVoidMethodWithReturnValue: 'close' is a 'void method' and it 'cannot' be stubbed with a 'return value'! Voids are usually stubbed with Throwables:		

```
doThrow(exception).when(mock).someVoidMethod());
If you need to set the void method to do nothing you can use:
doNothing().when(mock).someVoidMethod();
For more information, check out the javadocs for Mockito.doNothing().
""

If you're unsure why you're getting above error read on.
Due to the nature of the syntax above problem might occur because:
1. The method you are trying to stub is "overloaded". Make sure you are calling the right overloaded version.
2. Somewhere in your test you are stubbing "final methods". Sorry, Mockito does not verify/stub final methods.
3. A spy is stubbed using when(spy.foo()).then() syntax. It is safer to stub spies -
  - with doReturn/Throw() family of methods. More in javadocs for Mockito.spy() method.
4. Mocking methods declared on non-public parent classes is not supported.

at test.integration.application.gestioneAcquisti.CheckoutControlTest.testCheckoutSuccess(CheckoutControlTest.java:84)
at java.base/jdk.internal.reflect.DirectMethodHandleAccessor.invoke(DirectMethodHandleAccessor.java:103)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at org.junit.platform.commons.util.ReflectionUtils.invokeMethod(ReflectionUtils.java:725)
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at org.junit.jupiter.engine.extension.TimeoutExtension.intercept(TimeoutExtension.java:149)
at org.junit.jupiter.engine.extension.TimeoutExtension.interceptTestableMethod(TimeoutExtension.java:140)
at org.junit.jupiter.engine.extension.TimeoutExtension.interceptTestMethod(TimeoutExtension.java:84)
at org.junit.jupiter.engine.execution.ExecutableInvoker$ReflectiveInterceptorCall.lambda$ofVoidMethod$0(ExecutableInvoker.java:115)
at org.junit.jupiter.engine.execution.ExecutableInvoker.lambda$invoke$0(ExecutableInvoker.java:105)
at org.junit.jupiter.engine.execution.InvocationInterceptorChain$InterceptedInvocation.proceed(InvocationInterceptorChain.java:106)
at org.junit.jupiter.engine.execution.InvocationInterceptorChain.proceed(InvocationInterceptorChain.java:64)
at org.junit.jupiter.engine.execution.InvocationInterceptorChain$ChainAndInterceptors.proceed(InvocationInterceptorChain.java:45)
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at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$9(NodeTestTask.java:137)
at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$9(NodeTestTask.java:139)
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at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService.java:41)
at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$6(NodeTestTask.java:155)
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at org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestTask.java:95)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExecutorService.invokeAll(SameThreadHierarchicalTestExecutorService.java:41)
at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$6(NodeTestTask.java:155)
at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)
at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$8(NodeTestTask.java:141)
at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$9(NodeTestTask.java:137)
at org.junit.platform.engine.support.hierarchical.NodeTestTask.lambda$executeRecursively$9(NodeTestTask.java:139)
at org.junit.platform.engine.support.hierarchical.ThrowableCollector.execute(ThrowableCollector.java:73)
at org.junit.platform.engine.support.hierarchical.NodeTestTask.executeRecursively(NodeTestTask.java:138)
at org.junit.platform.engine.support.hierarchical.NodeTestTask.execute(NodeTestTask.java:95)
at org.junit.platform.engine.support.hierarchical.SameThreadHierarchicalTestExecutorService.submit(SameThreadHierarchicalTestExecutorService.java:35)
at org.junit.platform.engine.support.hierarchical.HierarchicalTestExecutor.execute(HierarchicalTestExecutor.java:57)
at org.junit.platform.engine.support.hierarchical.HierarchicalTestEngine.execute(HierarchicalTestEngine.java:54)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:107)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:88)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.lambda$execute$0(EngineExecutionOrchestrator.java:54)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.withInterceptedStreams(EngineExecutionOrchestrator.java:67)
at org.junit.platform.launcher.core.EngineExecutionOrchestrator.execute(EngineExecutionOrchestrator.java:52)
at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:114)
at org.junit.platform.launcher.core.DefaultLauncher.execute(DefaultLauncher.java:86)
at org.junit.platform.launcher.core.DefaultLauncherSession$DelegatingLauncher.execute(DefaultLauncherSession.java:86)
at org.junit.platform.launcher.core.SessionPerRequestLauncher.execute(SessionPerRequestLauncher.java:53)
at com.intellij.junit5.JUnit4IdeaTestRunner.startRunnerWithArgs(JUnit4IdeaTestRunner.java:57)
at com.intellij.junit.IdeaTestRunner$Repeater$1.execute(IdeaTestRunner.java:38)
at com.intellij.execution.junit.TestsRepeater.repeat(TestsRepeater.java:11)
at com.intellij.junit.IdeaTestRunner$Repeater.startRunnerWithArgs(IdeaTestRunner.java:35)
at com.intellij.junit.JUnit4IdeaTestRunner$Repeater.startRunnerWithArgs(JUnit4IdeaTestRunner.java:232)
at com.intellij.junit.JUnit4IdeaTestRunner$Repeater.startRunnerWithArgs(JUnit4IdeaTestRunner.java:55)
```



### 1.3. Test di sistema

test.system in EdenJewelry: 3 total, 3 passed

13.62 s

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[illegible]

Test Case	Test Result	Test Duration
testRegister	passed	5.04 s
testRegisterSuccess()	passed	5.04 s
testLogin	passed	2.87 s
testLoginSuccess()	passed	2.87 s
testCheckout	passed	5.10 s
testCheckoutSuccess()	passed	5.10 s

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