

Università degli Studi di Salerno
Corso di Ingegneria del Software

**Future Forge Gear
Test Execution Report
Versione 1.0**



Data: 28/01/2026

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| Progetto: Future Forge Gear | Versione: 1.0 |
| Documento: Test Execution Report | Data: 29/01/2026 |

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Revision History

| Data | Versione | Descrizione | Autore |
|------------|----------|---|---------------|
| 29/01/2026 | 1.0 | Specifiche dei risultati ottenuti dai vari test | Tutto il Team |
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|----------------------------------|------------------|
| Progetto: Future Forge Gear | Versione: 1.0 |
| Documento: Test Execution Report | Data: 29/01/2026 |

Indice

| | | |
|------|--------------------------------------|----|
| 1. | Introduzione..... | 4 |
| 1.1. | References..... | 4 |
| 2. | Esecuzione Test Di Unità..... | 5 |
| 3. | Esecuzione Test Di Integrazione..... | 12 |
| 4. | Esecuzione Test Di Sistema | 16 |

| | |
|----------------------------------|------------------|
| Progetto: Future Forge Gear | Versione: 1.0 |
| Documento: Test Execution Report | Data: 29/01/2026 |

1. Introduzione

Per la definizione dei test frame è stato adottato l'approccio **del category partition**. Ciascuna situazione potenzialmente generatrice di errore è stata analizzata singolarmente, assumendo che tutte le altre categorie non presentino anomalie. Di conseguenza, non sono state considerate combinazioni di errori appartenenti a categorie differenti, ma ogni condizione errata è stata trattata come un caso di test autonomo.

I risultati dei test riportano il codice di riferimento presente nel documento di **Test Case Specification** e uno screenshot dell'esito dell'esecuzione, esportato dall'IDE al termine del test.

Oltre ai test definiti nel **Test Case Specification**, sono stati progettati ed eseguiti ulteriori test di tipo **unit e integration**, ritenuti necessari per una copertura più completa dei servizi del sistema. I test documentati coprono i principali servizi applicativi, con particolare attenzione agli aspetti descritti nel documento di riferimento.

1.1. References

Per stilare questo documento, è stato preso come riferimento il libro di testo “Object- Oriented Software Engineering Using UML, Patterns and Java: Third Edition”, di Bernd Bruegge ed Allen H. Dutoit”.

All'interno della directory application/src/test sono presenti le seguenti sottodirectory:

- **Unit**: contiene il codice dei test di unità, realizzati mediante JUnit e Mockito, finalizzati alla verifica del corretto funzionamento delle singole componenti in isolamento.
- **Integration**: contiene il codice dei test di integrazione, volti a validare l'interazione tra i diversi componenti del sistema. Per l'esecuzione di tali test è stato necessario utilizzare il database in-memory H2 e simulare l'EntityManager, al fine di riprodurre un contesto applicativo controllato e indipendente dall'ambiente di produzione.
- **System**: contiene i test di sistema, condotti tramite Selenium IDE, che simulano l'interazione dell'utente con l'interfaccia applicativa e consentono di

| | |
|----------------------------------|------------------|
| Progetto: Future Forge Gear | Versione: 1.0 |
| Documento: Test Execution Report | Data: 29/01/2026 |

verificare il comportamento complessivo del sistema.

2. ESECUZIONE TEST DI UNITÀ

In questa sezione sono riportati i risultati dei test di unità.

2.01 Validazione di Email nella registrazione TC01 -
Validazione della password nella registrazione TC02

UnitRegisterServlet: 19 total, 19 passed

16 ms

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4.0.2.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/eclipse/angus/angus-activation/2.0.0/angus-activation-2.0.0.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/bwx2/4.0.2/bwx2-4.0.2.jar:/Users/francescolamanna/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-4.1.1.jar:/Users/francescolamanna/.m2/repository/org/antlr/antlr4-runtime/4.13.0/antlr4-runtime-4.13.0.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-simple/2.0.12/slf4j-simple-2.0.12.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-api/2.0.12/slf4j-api-2.0.12.jar com.intellij.rt.junit.JUnitStarter -ideVersion5 -junit5 unit.UnitRegisterServlet Process finished with exit code 0

| | | |
|--|--------|-------|
| validateEmail_emailVuota_returnsFalse() | passed | 15 ms |
| validateEmail_emailSenzaAt_returnsFalse() | passed | |
| validateEmail_emailConPuntiConsecutivi_returnsFalse() | passed | |
| validateEmail_emailTroppoCorta_sotto7Caratteri_returnsFalse() | passed | |
| validateEmail_emailValidaConPunto Nel Nome_returnsTrue() | passed | |
| validatePassword_passwordConCaratteriSpeciali_returnsFalse() | passed | |
| validatePassword_passwordTroppolunga_returnsFalse() | passed | |
| validateEmail_emailValidaSemplice_returnsTrue() | passed | |
| fineSuite_printin() | passed | |
| validatePassword_passwordNull_returnsFalse() | passed | |
| validateEmail_emailNull_returnsFalse() | passed | |
| validatePassword_passwordValidaMinima_returnsTrue() | passed | |
| validatePassword_passwordTroppoCorta_returnsFalse() | passed | |
| validatePassword_passwordValida_returnsTrue() | passed | |
| validatePassword_passwordSenzaNumero_returnsFalse() | passed | |
| validateEmail_emailConPuntoFinale_returnsFalse() | passed | 1 ms |
| validatePassword_passwordVuota_returnsFalse() | passed | |
| validateEmail_emailConCaratteriSpecialiNonAmmessi_returnsFalse() | passed | |
| validatePassword_passwordSenzaMaiuscola_returnsFalse() | passed | |

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|----------------------------------|------------------|
| Progetto: Future Forge Gear | Versione: 1.0 |
| Documento: Test Execution Report | Data: 29/01/2026 |

2.02 Login tramite mail e password TC03

UnitLoginServlet: 12 total, 12 passed

12 ms

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```
1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sok-extension-autoconfigure/1.42.1/opentelemetry-sok-extension-autoconfigure-
1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api-incubator/1.42.1-alpha/opentelemetry-api-incubator-1.42.1-
alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-trace/1.42.1/opentelemetry-sdk-trace-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-metrics/1.42.1/opentelemetry-sdk-metrics-
1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-logs/1.42.1/opentelemetry-sdk-logs-1.42.1.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-
os/4.25.0/selenium-os-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/apache/commons/commons-exec/1.4.0/commons-exec-
1.4.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-safari-driver/4.25.0/selenium-safari-driver-
4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-support/4.25.0/selenium-support-4.25.0.jar:/Users/francescolamanna/.m2/repository/com/h2database/h2/2.2.224/h2-
2.2.224.jar:/Users/francescolamanna/.m2/repository/org/hibernate/orm/hibernate-core/6.4.4.Final/hibernate-core-6.4.4.Final.jar:/Users/francescolamanna/.m2/repository/org/hibernate/common/hibernate-commons-
annotations/6.0.6.Final/hibernate-commons-annotations-6.0.6.Final.jar:/Users/francescolamanna/.m2/repository/io/smallrye/jandex/3.1.2/jandex-
3.1.2.jar:/Users/francescolamanna/.m2/repository/com/fasterxml/classmate/1.5.1/classmate-1.5.1.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-
4.0.2.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/eclipse/angus/angus-activation/2.0.0/angus-activation-
2.0.0.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/bxw2/4.0.2/bxw2-4.0.2.jar:/Users/francescolamanna/.m2/repository/com/sun/istack/stack-commons-runtime/4.1.1/stack-commons-runtime-
4.1.1.jar:/Users/francescolamanna/.m2/repository/org/antlr/antlr4-runtime/4.13.0/antlr4-runtime-4.13.0.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-simple/2.0.12/slf4j-simple-
2.0.12.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-api/2.0.12/slf4j-api-2.0.12.jar com.intellij.rt.junit.JUnitStarter -ideVersion5 -junit5 unit.UnitLoginServlet Process finished with exit code 0
validateLogin_emailErrata_returnsFalse()                                                 passed 12 ms
validateEmail_emailErrata_returnsFalse()                                               passed
validatePassword_passwordErrata_returnsFalse()                                         passed
validateLogin_passwordNonInseritaNelForm_vuota_returnsFalse()                         passed
validateLogin_passwordErrata_returnsFalse()                                           passed
validateEmail_emailCorretta_returnsTrue()                                              passed
validateLogin_passwordNonInseritaNelForm_null_returnsFalse()                          passed
validatePassword_passwordCorretta_returnsTrue()                                       passed
validateLogin_emailEPasswordCorretti_returnsTrue()                                    passed
validateLogin_emailEPasswordErrati_returnsFalse()                                     passed
validateLogin_passwordAssociataAllEmailNelDatabase_ifEmailPresente_returnsTrue()    passed
validateLogin_passwordNonAssociataAllEmailNelDatabase_returnsFalse()                 passed
```

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2.03 Aggiunta di prodotti al carrello TC04

UnitAddToCartServlet: 9 total, 9 passed

493 ms

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```
alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api/1.42.1/opentelemetry-api-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-
context/1.42.1/opentelemetry-context-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-exporter-logging/1.42.1/opentelemetry-exporter-logging-
1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-common/1.42.1/opentelemetry-sdk-common-
1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure-spi/1.42.1/opentelemetry-sdk-extension-autoconfigure-spi-
1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure/1.42.1/opentelemetry-sdk-extension-autoconfigure-
1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api-incubator/1.42.1-alpha/opentelemetry-api-incubator-1.42.1-
alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-trace/1.42.1/opentelemetry-sdk-trace-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-
sdk/1.42.1/opentelemetry-sdk-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-metrics/1.42.1/opentelemetry-sdk-metrics-
1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-logs/1.42.1/opentelemetry-sdk-logs-1.42.1.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-
os/4.25.0/selenium-os-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/apache/commons/commons-exec/1.4.0/commons-exec-
1.4.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-safari-driver/4.25.0/selenium-safari-driver-
4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-support/4.25.0/selenium-support-4.25.0.jar:/Users/francescolamanna/.m2/repository/com/h2database/h2/2.2.224/h2-
2.2.224.jar:/Users/francescolamanna/.m2/repository/org/hibernate/orm/hibernate-core/6.4.4.Final/hibernate-core-6.4.4.Final.jar:/Users/francescolamanna/.m2/repository/org/hibernate/common/hibernate-commons-
annotations/6.0.6.Final/hibernate-commons-annotations-6.0.6.Final.jar:/Users/francescolamanna/.m2/repository/io/smallrye/jandex/3.1.2/jandex-
3.1.2.jar:/Users/francescolamanna/.m2/repository/com/fasterxml/classmate/1.5.1/classmate-1.5.1.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-
4.0.2.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/eclipse/angus/angus-activation/2.0.0/angus-activation-
2.0.0.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/bxw2/4.0.2/bxw2-4.0.2.jar:/Users/francescolamanna/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-
4.1.1.jar:/Users/francescolamanna/.m2/repository/org/antlr/antlr4-runtime/4.13.0/antlr4-runtime-4.13.0.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-simple/2.0.12/slf4j-simple-
2.0.12.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-api/2.0.12/slf4j-api-2.0.12.jar com.intellij.rt.junit.JUnitStarter -ideVersion5 -junit5 unit.UnitAddToCartServlet Process finished with exit code 0
doGet_quantitaMaggioriDellaDisponibilita_error()                                         passed 480 ms
doGet_quandoParametriMancanti_redirectCatalogo()                                     passed 2 ms
doGet_quantitaMaggioriDiZero_eMinoreUgualeDisponibilita_valid()                   passed 3 ms
doGet_quandoProdottoGiaNelCarrello_incrementeQuantita_e_redirectCart()            passed 2 ms
doGet_quandoParametriNonNumerici_redirectCatalogo()                               passed 1 ms
doGet_quandoProdottoNonTrovato_redirectCatalogo()                                passed 1 ms
doGet_quantitaZero_error()                                                       passed 1 ms
doGet_quandoProdottoDiverso_nonIncrementa_maAggiungeNuovoItem()                  passed 2 ms
doGet_quandoCartNull_creaCart_aggiungeItem_impostaTotale_redirectCart()          passed 1 ms
```

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|----------------------------------|------------------|
| Progetto: Future Forge Gear | Versione: 1.0 |
| Documento: Test Execution Report | Data: 29/01/2026 |

2.04 Modifica del nome di un prodotto nel magazzino TC07 - Modifica del Prezzo di un prodotto nel magazzino TC08

UnitCatalogoService: 12 total, 12 passed

8 ms

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| | | |
|---|--------|------|
| 1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure/1.42.1/opentelemetry-sdk-extension-autoconfigure-alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api-incubator/1.42.1-alpha/opentelemetry-api-incubator-1.42.1-alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-trace/1.42.1/opentelemetry-sdk-trace-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-metrics/1.42.1/opentelemetry-sdk-metrics-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-logs/1.42.1/opentelemetry-sdk-logs-1.42.1.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-os/4.25.0/selenium-os-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/apache/commons/commons-exec/1.4.0/commons-exec-1.4.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-safari-driver/4.25.0/selenium-safari-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/com/h2database/h2/2.2.224/h2-2.2.224.jar:/Users/francescolamanna/.m2/repository/org/hibernate/orm/hibernate-core/6.4.4.Final/hibernate-core-6.4.4.Final.jar:/Users/francescolamanna/.m2/repository/org/hibernate/common/hibernate-commons-annotations/6.0.6.Final/hibernate-commons-annotations-6.0.6.Final.jar:/Users/francescolamanna/.m2/repository/io/smallrye/jandex/3.1.2/jandex-3.1.2.jar:/Users/francescolamanna/.m2/repository/com/fasterxml/classmate/1.5.1/classmate-1.5.1.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/eclipse/angus/activation/2.0.0/angus-activation-2.0.0.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/bxw2/4.0.2/bxw2-4.0.2.jar:/Users/francescolamanna/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-4.1.1.jar:/Users/francescolamanna/.m2/repository/org/antlr/antlr4-runtime/4.13.0/antlr4-runtime-4.13.0.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-simple/2.0.12/slf4j-simple-2.0.12.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-api/2.0.12/slf4j-api-2.0.12.jar com.intellij.rt.junit.JUnitStarter -ideVersion5 -junit5 unit.UnitCatalogoService Process finished with exit code 0 | passed | 7 ms |
| validateNameChange_emptyName_returnsFalse() | passed | 1 ms |
| validateAddToCatalogo_whenNotInCatalogo_returnsTrue() | passed | |
| validatePriceChange_positive_returnsTrue() | passed | |
| validateRemoveFromCatalogo_whenNotInCatalogo_returnsFalse() | passed | |
| validateRemoveFromCatalogo_whenInCatalogo_returnsTrue() | passed | |
| validateRemoveFromMagazzino_whenNotInMagazzino_returnsFalse() | passed | |
| validateAddToCatalogo_whenAlreadyInCatalogo_returnsFalse() | passed | |
| validateAddToMagazzino_whenNotInMagazzino_returnsTrue() | passed | |
| validateNameChange_nonEmptyName_returnsTrue() | passed | |
| validateAddToMagazzino_whenAlreadyInMagazzino_returnsFalse() | passed | |
| validateRemoveFromMagazzino_whenInMagazzino_returnsTrue() | passed | |
| validatePriceChange_zeroOrNegative_returnsFalse() | passed | |

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| Progetto: Future Forge Gear | Versione: 1.0 |
| Documento: Test Execution Report | Data: 29/01/2026 |

2.05 Creazione di un prodotto TC09

UnitCreaProdottoServlet: 4 total, 4 passed

481 ms

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4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-http/4.25.0/selenium-http-4.25.0.jar:/Users/francescolamanna/.m2/repository/dev/failsafe/failsafe/3.3.2/failsafe-3.3.2.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-ie-driver/4.25.0/selenium-ie-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-remote-driver/4.25.0/selenium-remote-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/com/google/guava/guava/33.3.0-jre/guava-33.3.0-jre.jar:/Users/francescolamanna/.m2/repository/com/google/guava/guava/1.0.2/guava-access-1.0.2.jar:/Users/francescolamanna/.m2/repository/com/google/guava/listenablefuture/9999.0-empty-to-avoid-conflict-with-guava/listenablefuture-9999.0-empty-to-avoid-conflict-with-guava.jar:/Users/francescolamanna/.m2/repository/com/google/guava/33.3.0-jre/guava-33.3.0-jre.jar:/Users/francescolamanna/.m2/repository/org/checkerframework/checker-qual/3.43.0/checker-qual-3.43.0.jar:/Users/francescolamanna/.m2/repository/com/google/errorprone/error_prone_annotations/2.28.0/error_prone_annotations-2.28.0.jar:/Users/francescolamanna/.m2/repository/com/google/j2objc/j2objc-annotations/3.0.0/j2objc-annotations-3.0.0.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/semconv/opentelemetry-semconv/1.25.0-alpha/opentelemetry-semconv-1.25.0-alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api/1.42.1/opentelemetry-api-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-context/1.42.1/opentelemetry-context-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-exporter/logging/1.42.1/opentelemetry-exporter-logging-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-common/1.42.1/opentelemetry-sdk-common-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure-spi/1.42.1/opentelemetry-sdk-extension-autoconfigure-spi-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure/1.42.1/opentelemetry-sdk-extension-autoconfigure-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api-incubator/1.42.1-alpha/opentelemetry-api-incubator-1.42.1-alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-trace/1.42.1/opentelemetry-sdk-trace-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-metrics/1.42.1/opentelemetry-sdk-metrics-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-logs/1.42.1/opentelemetry-sdk-logs-1.42.1.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-os/4.25.0/selenium-os-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/apache/commons/commons-exec/1.4.0/commons-exec-1.4.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-safari-driver/4.25.0/selenium-safari-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/com/h2database/h2/2.2.224/h2-2.2.224.jar:/Users/francescolamanna/.m2/repository/org/hibernate/orm/hibernate-core/6.4.4.Final/hibernate-core-6.4.4.Final.jar:/Users/francescolamanna/.m2/repository/org/hibernate/common/hibernate-commons-annotations/6.0.6.Final/hibernate-commons-annotations-6.0.6.Final.jar:/Users/francescolamanna/.m2/repository/io/smallrye/jandex/3.1.2/jandex-3.1.2.jar:/Users/francescolamanna/.m2/repository/com/fasterxml/classmate/1.5.1/classmate-1.5.1.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/eclipse/angus/angus-activation/2.0.0/angus-activation-2.0.0.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/twx2/4.0.2/twx2-4.0.2.jar:/Users/francescolamanna/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-4.1.1.jar:/Users/francescolamanna/.m2/repository/org/antlr/antlr4-runtime/4.13.0/antlr4-runtime-4.13.0.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-simple/2.0.12/slf4j-simple-2.0.12.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-api/2.0.12/slf4j-api-2.0.12.jar com.intellij.rt.junit.JUnitStarter -ideVersion5 -junit5 unit.UnitCreaProdottoServlet Process finished with exit code 0

[doPost_prezzoMinoreUgualeZero_error\(\)](#)

passed 475 ms

[doPost_prezzoMaggioreDiZero_valid\(\)](#)

passed 3 ms

[doPost_nomeNullo_error\(\)](#)

passed 2 ms

[doPost_nomeValido_valid\(\)](#)

passed 1 ms

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2.06 Modifica stato dell'ordine TC10

UnitCambiaStatoOrdineServlet: 7 total, 7 passed

513 ms

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3.0.2.jar:/Users/francescolamanna/.m2/repository/org/checkerframework/checker-qual/3.43.0/checker-qual-3.43.0.jar:/Users/francescolamanna/.m2/repository/com/google/errorprone/error_prone_annotations/2.28.0/error_prone_annotations-2.28.0.jar:/Users/francescolamanna/.m2/repository/com/google/j2objc/j2objc-annotations/3.0.0/j2objc-annotations-3.0.0.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/semconv/opentelemetry-semconv/1.25.0-alpha/opentelemetry-semconv-1.25.0-alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api/1.42.1/opentelemetry-api-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-context/1.42.1/opentelemetry-context-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-exporter/logging/1.42.1/opentelemetry-exporter-logging-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-common/1.42.1/opentelemetry-sdk-common-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure-spi/1.42.1/opentelemetry-sdk-extension-autoconfigure-spi-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure/1.42.1/opentelemetry-sdk-extension-autoconfigure-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api-incubator/1.42.1-alpha/opentelemetry-api-incubator-1.42.1-alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-trace/1.42.1/opentelemetry-sdk-trace-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-metrics/1.42.1/opentelemetry-sdk-metrics-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-logs/1.42.1/opentelemetry-sdk-logs-1.42.1.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-os/4.25.0/selenium-os-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/apache/commons/commons-exec/1.4.0/commons-exec-1.4.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-safari-driver/4.25.0/selenium-safari-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/com/h2database/h2/2.2.224/h2-2.2.224.jar:/Users/francescolamanna/.m2/repository/org/hibernate/orm/hibernate-core/6.4.4.Final/hibernate-core-6.4.4.Final.jar:/Users/francescolamanna/.m2/repository/org/hibernate/common/hibernate-commons-annotations/6.0.6.Final/hibernate-commons-annotations-6.0.6.Final.jar:/Users/francescolamanna/.m2/repository/io/smallrye/jandex/3.1.2/jandex-3.1.2.jar:/Users/francescolamanna/.m2/repository/com/fasterxml/classmate/1.5.1/classmate-1.5.1.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/eclipse/angus/angus-activation/2.0.0/angus-activation-2.0.0.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/twx2/4.0.2/twx2-4.0.2.jar:/Users/francescolamanna/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-4.1.1.jar:/Users/francescolamanna/.m2/repository/org/antlr/antlr4-runtime/4.13.0/antlr4-runtime-4.13.0.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-simple/2.0.12/slf4j-simple-2.0.12.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-api/2.0.12/slf4j-api-2.0.12.jar com.intellij.rt.junit.JUnitStarter -ideVersion5 -junit5 unit.UnitCambiaStatoOrdineServlet Process finished with exit code 0

[transizione_delivery_to_consegnato_valid\(\)](#)

passed 501 ms

[transizione_consegnato_to_delivery_error\(\)](#)

passed 3 ms

[transizione_delivery_to_preparation_error\(\)](#)

passed 2 ms

[transizione_preparation_to_consegnato_error\(\)](#)

passed 2 ms

[transizione_preparation_to_preparation_error_stessoStato\(\)](#)

passed 2 ms

[transizione_consegnato_to_preparation_error\(\)](#)

passed 2 ms

[transizione_preparation_to_delivery_valid\(\)](#)

passed 1 ms

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| | |
|----------------------------------|------------------|
| Progetto: Future Forge Gear | Versione: 1.0 |
| Documento: Test Execution Report | Data: 29/01/2026 |

2.07 Gestione Funzionalità Carrello

UnitCartService: 4 total, 4 passed

531 ms

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4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-http/4.25.0/selenium-http-4.25.0.jar:/Users/francescolamanna/.m2/repository/dev/failsafe/failsafe/3.3.2/failsafe-3.3.2.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-ie-driver/4.25.0/selenium-ie-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-remote-driver/4.25.0/selenium-remote-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/com/google/guava/33.3.0-jre/guava-33.3.0-jre.jar:/Users/francescolamanna/.m2/repository/com/google/guava/failureaccess/1.0.2/failureaccess-1.0.2.jar:/Users/francescolamanna/.m2/repository/com/google/guava/listenablefuture/9999.0-empty-to-avoid-conflict-with-guava/listenablefuture-9999.0-empty-to-avoid-conflict-with-guava/empty-to-avoid-conflict-with-guava.jar:/Users/francescolamanna/.m2/repository/com/google/code/findbugs/jxr305/3.0.2/jxr305-3.0.2.jar:/Users/francescolamanna/.m2/repository/org/checkerframework/checker-qual/3.43.0/checker-qual-3.43.0.jar:/Users/francescolamanna/.m2/repository/com/google/errorprone/error_prone_annotations/2.28.0/error_prone_annotations-2.28.0.jar:/Users/francescolamanna/.m2/repository/com/google/j2objc/j2objc-annotations/3.0.0/j2objc-annotations-3.0.0.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/semconv/opentelemetry-semconv/1.25.0-alpha/opentelemetry-semconv-1.25.0-alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api/1.42.1/opentelemetry-api-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-exporter-logging/1.42.1/opentelemetry-exporter-logging-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-common/1.42.1/opentelemetry-sdk-common-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure-spi/1.42.1/opentelemetry-sdk-extension-autoconfigure-spi-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure/1.42.1/opentelemetry-sdk-extension-autoconfigure-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api-incubator/1.42.1-alpha/opentelemetry-api-incubator-1.42.1-alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-trace/1.42.1/opentelemetry-sdk-trace-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-metrics/1.42.1/opentelemetry-sdk-metrics-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-logs/1.42.1/opentelemetry-sdk-logs-1.42.1.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-04.25.0/selenium-os-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/apache/commons/commons-exec/1.4.0/commons-exec-1.4.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-safari-driver/4.25.0/selenium-safari-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-support/4.25.0/selenium-support-4.25.0.jar:/Users/francescolamanna/.m2/repository/com/h2database/h2/2.2.224/h2-2.2.224.jar:/Users/francescolamanna/.m2/repository/org/hibernate/orm/hibernate-core/6.4.4.Final/hibernate-core-6.4.4.Final.jar:/Users/francescolamanna/.m2/repository/org/hibernate/common/hibernate-commons-annotations/6.0.6.Final/hibernate-commons-annotations-6.0.6.Final.jar:/Users/francescolamanna/.m2/repository/io/smallrye/jandex/3.1.2/jandex-3.1.2.jar:/Users/francescolamanna/.m2/repository/com/fasterxml/classmate/1.5.1/classmate-1.5.1.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/eclipse/angus/angus-activation/2.0.0/angus-activation-2.0.0.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/twx/2/4.0.2/twx2-4.0.2.jar:/Users/francescolamanna/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-4.1.1.jar:/Users/francescolamanna/.m2/repository/org/antlr/antlr4-runtime/4.13.0/antlr4-runtime-4.13.0.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-simple/2.0.12/slf4j-simple-2.0.12.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-api/2.0.12/slf4j-api-2.0.12.jar com.intellij.rt.junit.JUnitStarter -ideVersion5 -junit5 unit.UnitCartService Process finished with exit code 0

[findCartByCostumer_quandoEsiste ritornaCart_e_nonPersist\(\)](#)

passed 500 ms

[removeProductFromCart_seCartNull_nonFaMerge\(\)](#)

passed 1 ms

[findCartByCostumer_quandoNonEsiste_creaNuovoCart_e_persist\(\)](#)

passed 2 ms

[removeProductFromCart_rimuoveSoloProdottoCorretto_e_faMerge\(\)](#)

passed 28 ms

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2.08 Gestione casi Checkout

UnitCheckoutServlet: 4 total, 4 passed

613 ms

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4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-http/4.25.0/selenium-http-4.25.0.jar:/Users/francescolamanna/.m2/repository/dev/failsafe/failsafe/3.3.2/failsafe-3.3.2.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-ie-driver/4.25.0/selenium-ie-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-remote-driver/4.25.0/selenium-remote-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/com/google/guava/33.3.0-jre/guava-33.3.0-jre.jar:/Users/francescolamanna/.m2/repository/com/google/guava/failureaccess/1.0.2/failureaccess-1.0.2.jar:/Users/francescolamanna/.m2/repository/com/google/guava/listenablefuture/9999.0-empty-to-avoid-conflict-with-guava/listenablefuture-9999.0-empty-to-avoid-conflict-with-guava/empty-to-avoid-conflict-with-guava.jar:/Users/francescolamanna/.m2/repository/com/google/code/findbugs/jxr305/3.0.2/jxr305-3.0.2.jar:/Users/francescolamanna/.m2/repository/org/checkerframework/checker-qual/3.43.0/checker-qual-3.43.0.jar:/Users/francescolamanna/.m2/repository/com/google/errorprone/error_prone_annotations/2.28.0/error_prone_annotations-2.28.0.jar:/Users/francescolamanna/.m2/repository/com/google/j2objc/j2objc-annotations/3.0.0/j2objc-annotations-3.0.0.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/semconv/opentelemetry-semconv/1.25.0-alpha/opentelemetry-semconv-1.25.0-alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api/1.42.1/opentelemetry-api-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-exporter-logging/1.42.1/opentelemetry-exporter-logging-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-common/1.42.1/opentelemetry-sdk-common-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure-spi/1.42.1/opentelemetry-sdk-extension-autoconfigure-spi-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure/1.42.1/opentelemetry-sdk-extension-autoconfigure-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api-incubator/1.42.1-alpha/opentelemetry-api-incubator-1.42.1-alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-trace/1.42.1/opentelemetry-sdk-trace-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-metrics/1.42.1/opentelemetry-sdk-metrics-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-logs/1.42.1/opentelemetry-sdk-logs-1.42.1.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-04.25.0/selenium-os-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/apache/commons/commons-exec/1.4.0/commons-exec-1.4.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-safari-driver/4.25.0/selenium-safari-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-support/4.25.0/selenium-support-4.25.0.jar:/Users/francescolamanna/.m2/repository/com/h2database/h2/2.2.224/h2-2.2.224.jar:/Users/francescolamanna/.m2/repository/org/hibernate/orm/hibernate-core/6.4.4.Final/hibernate-core-6.4.4.Final.jar:/Users/francescolamanna/.m2/repository/org/hibernate/common/hibernate-commons-annotations/6.0.6.Final/hibernate-commons-annotations-6.0.6.Final.jar:/Users/francescolamanna/.m2/repository/io/smallrye/jandex/3.1.2/jandex-3.1.2.jar:/Users/francescolamanna/.m2/repository/com/fasterxml/classmate/1.5.1/classmate-1.5.1.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/eclipse/angus/angus-activation/2.0.0/angus-activation-2.0.0.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/twx/2/4.0.2/twx2-4.0.2.jar:/Users/francescolamanna/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-4.1.1.jar:/Users/francescolamanna/.m2/repository/org/antlr/antlr4-runtime/4.13.0/antlr4-runtime-4.13.0.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-simple/2.0.12/slf4j-simple-2.0.12.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-api/2.0.12/slf4j-api-2.0.12.jar com.intellij.rt.junit.JUnitStarter -ideVersion5 -junit5 unit.UnitCheckoutServlet Process finished with exit code 0

[doPost_quandoCartVuoto_redirectCartEmpty\(\)](#)

passed 506 ms

[doPost_quandoCartNull_redirectCartEmpty\(\)](#)

passed 2 ms

[doPost_casoOk_creaOrdine_settaSessione_pulisceCarrello_redirectSpedizione\(\)](#)

passed 104 ms

[doPost_quandoUtenteNull_redirectLogin\(\)](#)

passed 1 ms

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| | |
|----------------------------------|------------------|
| Progetto: Future Forge Gear | Versione: 1.0 |
| Documento: Test Execution Report | Data: 29/01/2026 |

2.09 Gestione Carte di Credito

UnitCreditCardService: 3 total, 3 passed

10 ms

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2.11 Gestione Fase di Pagamento

UnitPaymentServlet: 7 total. 7 passed

E68.msc

| Reporte de ejecución | | |
|--|--------|-------------|
| Método | Estado | Tiempo (ms) |
| doPost_paypal_conCredenzialiVuote_redirectErrore_e_nonChiamaServizi() | passed | 556 ms |
| doPost_creditcard_conParametriNull_redirectErrore_e_nonChiamaServizi() | passed | 3 ms |
| doPost_paymentMethodSconosciuto_redirectErrore() | passed | 2 ms |
| doPost_paypal_pagamentoOk_redirectConferma_e_pulisceSessione() | passed | 2 ms |
| doPost_quandoOrderNull_redirectCartErrorNoOrder() | passed | 1 ms |
| doPost_creditcard_pagamentoOk_redirectConferma_e_pulisceSessione() | passed | 2 ms |
| doPost_paypal_pagamentoOk_redirectErrore_e_nonPulisceSessione() | passed | 2 ms |

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|----------------------------------|------------------|
| Progetto: Future Forge Gear | Versione: 1.0 |
| Documento: Test Execution Report | Data: 29/01/2026 |

2.12 Gestione Pagamento con Paypal

UnitPayPalService: 3 total, 3 passed

8 ms

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| | | |
|---|--------|------|
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-sage-driver/4.25.0/selenium-sage-driver | passed | 7 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-firefox-driver/4.25.0/selenium-firefox-driver | passed | 7 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-http/4.25.0/selenium-http/4.25.0.jar!/Users/francescolamanna/.m2/repository/dev/failsafe/failsafe/3.3.2/failsafe-3.3.2.jar | passed | 7 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-ie-driver/4.25.0/selenium-ie-driver/4.25.0.jar!/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-remote-driver/4.25.0/selenium-remote-driver/4.25.0.jar!/Users/francescolamanna/.m2/repository/com/google/guava/guava/33.3.0-jre/guava-33.3.0-jre.jar | passed | 7 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/com/google/guava/guava/33.3.0-jre/guava-33.3.0-jre.jar!/Users/francescolamanna/.m2/repository/com/google/guava/listenablefuture/9999.0-empty-to-avoid-conflict-with-guava/listenablefuture/9999.0-empty-to-avoid-conflict-with-guava.jar!/Users/francescolamanna/.m2/repository/com/google/code/findbugs/jxr305/3.0.2/jsr305-3.0.2.jar | passed | 7 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/checkerframework/checker-qual/3.43.0/checker-qual-3.43.0.jar!/Users/francescolamanna/.m2/repository/com/google/errorprone/error_prone_annotations/2.28.0/error_prone_annotations-2.28.0.jar!/Users/francescolamanna/.m2/repository/com/google/j2objc/j2objc-annotations/3.0.0/j2objc-annotations-3.0.0.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/semconv/opentelemetry-semconv/1.25.0-alpha/opentelemetry-semconv-1.25.0-alpha.jar | passed | 7 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/com/google/errorprone/error_prone_annotations/2.28.0/error_prone_annotations-2.28.0.jar!/Users/francescolamanna/.m2/repository/com/google/j2objc/j2objc-annotations/3.0.0/j2objc-annotations-3.0.0.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/org/checkerframework/checker-qual/3.43.0/checker-qual-3.43.0.jar!/Users/francescolamanna/.m2/repository/com/google/errorprone/error_prone_annotations/2.28.0/error_prone_annotations-2.28.0.jar!/Users/francescolamanna/.m2/repository/com/google/j2objc/j2objc-annotations/3.0.0/j2objc-annotations-3.0.0.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/semconv/opentelemetry-semconv/1.25.0-alpha/opentelemetry-semconv-1.25.0-alpha.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-context/1.42.1/opentelemetry-context-1.42.1.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-common/1.42.1/opentelemetry-sdk-common-1.42.1.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure-spi/1.42.1/opentelemetry-sdk-extension-autoconfigure-spi-1.42.1.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure/1.42.1/opentelemetry-sdk-extension-autoconfigure-1.42.1.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api-incubator/1.42.1-alpha/opentelemetry-api-incubator-1.42.1-alpha.jar | passed | 7 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-trace/1.42.1/opentelemetry-sdk-trace-1.42.1.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk/1.42.1/opentelemetry-sdk-1.42.1.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-metrics/1.42.1/opentelemetry-sdk-metrics-1.42.1.jar!/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-3.1.2.jar | passed | 7 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/hibernate/orm/hibernate-core/6.4.4.Final/hibernate-core-6.4.4.Final.jar!/Users/francescolamanna/.m2/repository/org/hibernate/common/hibernate-commons-annotations/6.0.6.Final/hibernate-commons-annotations-6.0.6.Final.jar!/Users/francescolamanna/.m2/repository/io/smallrye/jandex/3.1.2/jandex-3.1.2.jar | passed | 7 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/com/fasterxml/classmate/1.5.1/classmate-1.5.1.jar!/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-4.0.2.jar | passed | 7 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/bw2/4.0.2/bw2-4.0.2.jar!/Users/francescolamanna/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-2.0.0.jar | passed | 7 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/antlr/antlr4-runtime/4.13.0/antlr4-runtime-4.13.0.jar!/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-simple/2.0.12/slf4j-simple-2.0.12.jar | passed | 7 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-api/2.0.12/slf4j-api-2.0.12.jar com.intellij.rt.junit.JUnitStarter -ideVersion5 -junit5 unit.UnitPayPalService Process finished with exit code 0 | passed | 7 ms |
| effettuaPagamento_quandoProcessPaymentTrue_ritorna1() | passed | 7 ms |
| effettuaPagamento_senzaInit_oPayPal_null_lanciaNullPointerException() | passed | 1 ms |
| effettuaPagamento_quandoProcessPaymentFalse_ritorna0() | passed | 1 ms |

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2.13 Gestione Rimozione Prodotti dal Carrello

UnitRemoveProductServlet: 3 total, 3 passed

461 ms

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| | | |
|--|--------|--------|
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-sage-driver/4.25.0/selenium-sage-driver | passed | 435 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-firefox-driver/4.25.0/selenium-firefox-driver | passed | 435 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-http/4.25.0/selenium-http/4.25.0.jar!/Users/francescolamanna/.m2/repository/dev/failsafe/failsafe/3.3.2/failsafe-3.3.2.jar | passed | 435 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-ie-driver/4.25.0/selenium-ie-driver/4.25.0.jar!/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-remote-driver/4.25.0/selenium-remote-driver/4.25.0.jar!/Users/francescolamanna/.m2/repository/com/google/guava/guava/33.3.0-jre/guava-33.3.0-jre.jar | passed | 435 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/com/google/guava/guava/33.3.0-jre/guava-33.3.0-jre.jar!/Users/francescolamanna/.m2/repository/com/google/guava/listenablefuture/9999.0-empty-to-avoid-conflict-with-guava/listenablefuture/9999.0-empty-to-avoid-conflict-with-guava.jar!/Users/francescolamanna/.m2/repository/com/google/code/findbugs/jxr305/3.0.2/jsr305-3.0.2.jar | passed | 435 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/checkerframework/checker-qual/3.43.0/checker-qual-3.43.0.jar!/Users/francescolamanna/.m2/repository/com/google/errorprone/error_prone_annotations/2.28.0/error_prone_annotations-2.28.0.jar!/Users/francescolamanna/.m2/repository/com/google/j2objc/j2objc-annotations/3.0.0/j2objc-annotations-3.0.0.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/semconv/opentelemetry-semconv/1.25.0-alpha/opentelemetry-semconv-1.25.0-alpha.jar | passed | 435 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/com/google/errorprone/error_prone_annotations/2.28.0/error_prone_annotations-2.28.0.jar!/Users/francescolamanna/.m2/repository/com/google/j2objc/j2objc-annotations/3.0.0/j2objc-annotations-3.0.0.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-context/1.42.1/opentelemetry-context-1.42.1.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-common/1.42.1/opentelemetry-sdk-common-1.42.1.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure-spi/1.42.1/opentelemetry-sdk-extension-autoconfigure-spi-1.42.1.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure/1.42.1/opentelemetry-sdk-extension-autoconfigure-1.42.1.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api-incubator/1.42.1-alpha/opentelemetry-api-incubator-1.42.1-alpha.jar | passed | 435 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-trace/1.42.1/opentelemetry-sdk-trace-1.42.1.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk/1.42.1/opentelemetry-sdk-1.42.1.jar!/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-metrics/1.42.1/opentelemetry-sdk-metrics-1.42.1.jar!/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-3.1.2.jar | passed | 435 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/hibernate/orm/hibernate-core/6.4.4.Final/hibernate-core-6.4.4.Final.jar!/Users/francescolamanna/.m2/repository/org/hibernate/common/hibernate-commons-annotations/6.0.6.Final/hibernate-commons-annotations-6.0.6.Final.jar!/Users/francescolamanna/.m2/repository/io/smallrye/jandex/3.1.2/jandex-3.1.2.jar | passed | 435 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/com/fasterxml/classmate/1.5.1/classmate-1.5.1.jar!/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-4.0.2.jar | passed | 435 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/bw2/4.0.2/bw2-4.0.2.jar!/Users/francescolamanna/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-2.0.0.jar | passed | 435 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/antlr/antlr4-runtime/4.13.0/antlr4-runtime-4.13.0.jar!/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-simple/2.0.12/slf4j-simple-2.0.12.jar | passed | 435 ms |
| 4.25.0.jar!/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-api/2.0.12/slf4j-api-2.0.12.jar com.intellij.rt.junit.JUnitStarter -ideVersion5 -junit5 unit.UnitRemoveProductServlet Process finished with exit code 0 | passed | 435 ms |
| doPost_productIdNonNumerico_lanciaNumberFormatException() | passed | 435 ms |
| doPost_cartNull_nonChiamaRemoveItem_maFaRedirect() | passed | 1 ms |
| doPost_cartPresente_rimuoveProdotto_aggiornaSessione_eRedirect() | passed | 25 ms |

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| Progetto: Future Forge Gear | Versione: 1.0 |
| Documento: Test Execution Report | Data: 29/01/2026 |

3. ESECUZIONE TEST DI INTEGRAZIONE

In questa sezione sono riportati i risultati dei test di Integrazione.

3.1 Richiesta di un prodotto TC05

IntegrationRequestService: 14 total, 14 passed

110 ms

| Collapse Expand | | |
|--|--------|-------|
| <small>CONNECTION POOL SIZE: 20 (initial: 1) gen 29, 2026 4:55:00 PM org.hibernate.resource.jdbc.spi.MigrationCoordinator\$MigrationCoordinatorImpl\$MigrationCoordinatorListener INFO: HHH10000002: TWO EXPIRED CDTI Deadlines delayed reference was passed to Hibernate, but CDI is available on the Hibernate ClassLoader. gen 29, 2026 4:55:08 PM org.hibernate.engine.transaction.jta.platform.internal.JtaPlatformInitiator initiateService INFO: HHH000489: No JTA platform available (set 'hibernate.transaction.jta.platform' to enable JTA platform integration) gen 29, 2026 4:55:08 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtimpl getIsolatedConnection INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator\$ConnectionProvider\$JdbcConnectionAccess@7cd25bf5] for (non-JTA) DDL execution was not in auto-commit mode; the Connection 'local transaction' will be committed and the Connection will be set into auto-commit mode. gen 29, 2026 4:55:08 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtimpl getIsolatedConnection INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator\$ConnectionProvider\$JdbcConnectionAccess@6f2a3b37] for (non-JTA) DDL execution was not in auto-commit mode; the Connection 'local transaction' will be committed and the Connection will be set into auto-commit mode. gen 29, 2026 4:55:09 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtimpl getIsolatedConnection INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator\$ConnectionProvider\$JdbcConnectionAccess@5d04fb7] for (non-JTA) DDL execution was not in auto-commit mode; the Connection 'local transaction' will be committed and the Connection will be set into auto-commit mode. gen 29, 2026 4:55:09 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl\$PoolState stop INFO: HHH10001008: Cleaning up connection pool [jdbc:h2:mem:ffg_test;MODE=MySQL;DB_CLOSE_DELAY=-1;DATABASE_TO_UPPER=false] Process finished with exit code 0</small> | | |
| addRequest_productRequest_quantitaMaggioreUgualeUno_valid() | passed | 59 ms |
| findByMagazziniere_ritornaSoloQuelMagazziniere() | passed | 8 ms |
| updateRequest_merge_aggiornaDavvero_message() | passed | 7 ms |
| findByDestinatario_ritornaSoloQuelDestinatario() | passed | 4 ms |
| findAll_ritornaTutto() | passed | 2 ms |
| findByPreviousDate_ritornaSoloPrimaData() | passed | 3 ms |
| findByDate_range_inclusivoStart_esclusivoEnd() | passed | 4 ms |
| findByPostDate_ritornaSoloDopoData() | passed | 3 ms |
| addRequest_persiste_e_findAll_vedeLeRichieste() | passed | 2 ms |
| cambiaStato_accettaRichiesta_e_persistenza_statoDiventaAccettato() | passed | 2 ms |
| addRequest_productRequest_quantitaMinoreDiUno_nonValidaMaPersistita() | passed | 2 ms |
| findById_esiste_ok_nonEsiste_NoResult() | passed | 3 ms |
| removeRequest_suProductRequest_rimuoveDavvero() | passed | 9 ms |
| removeRequest_suOrderRequest_rimuoveDavvero() | passed | 2 ms |

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|----------------------------------|------------------|
| Progetto: Future Forge Gear | Versione: 1.0 |
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3.2 Gestione Catalogo

IntegrationCatalogoService: 19 total, 19 passed

115 ms

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| | |
|--|--------------|
| getIsolatedConnection INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator\$ConnectionProviderJdbcConnectionAccess@6dc2e473] for (non-JTA) DDL execution was not in auto-commit mode; the Connection 'local transaction' will be committed and the Connection will be set into auto-commit mode. gen 29, 2026 11:41:25 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl\$PoolState stop INFO: HHH10001008: Cleaning up connection pool [jdbc:h2:mem:fgg_test;MODE=MySQL;DB_CLOSE_DELAY=-1;DATABASE_TO_UPPER=false] Process finished with exit code 0 | |
| updateProduct_merge_aggiornaDavvero() | passed 52 ms |
| removeProduct_rimuoveSeEntityManaged() | passed 15 ms |
| findProductById_esiste_ok_nonEsiste_NoResult() | passed 11 ms |
| updateProductDesc_conIdLong_valido_aggiornaDescrizione() | passed 3 ms |
| updateProductPrice_conIdLong_valido_aggiornaPrezzo() | passed 2 ms |
| updateProductName_conIdLong_valido_aggiornaNome() | passed 2 ms |
| findProductByFornitore_ok() | passed 3 ms |
| updateProductName_conNomeVuoto_nonModificaNiente_e_nonToccaDB() | passed 1 ms |
| updateProductPrice_conPrezzoInvalido_nonModificaNiente() | passed 1 ms |
| findByMinusPrize_e_findByMajorPrize_funzionano() | passed 4 ms |
| findByName_ok_e_nomeInesistente_vuoto() | passed 2 ms |
| getProductsInMagazzino ritornaSoloQuelliInMagazzino() | passed 3 ms |
| addProduct_persiste_e_getProducts_vedeIlProdotto() | passed 2 ms |
| add_remove_magazzino_suEntity_funzionano_e_remove_setta_anche_catalogo_false() | passed 3 ms |
| add_remove_catalogo_conIdLong_funzionano() | passed 2 ms |
| findByCategory_ok_e_vuoto_seCategoriaAssente() | passed 3 ms |
| getProductsInCatalogo ritornaSoloQuelliInCatalogo() | passed 2 ms |
| add_remove_catalogo_suEntity_funzionano() | passed 2 ms |
| add_remove_magazzino_conIdLong_funzionano() | passed 2 ms |

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3.3 Gestione casi speciali di login (Tipo legati ai ruoli)

IntegrationLoginServlet: 5 total, 5 passed

464 ms

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| | |
|---|---------------|
| 4.0.2.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/eclipse/angus/angus-activation/2.0.0/angus-activation-2.0.0.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/twx2/4.0.2/twx2-4.0.2.jar:/Users/francescolamanna/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-4.1.1.jar:/Users/francescolamanna/.m2/repository/org/antlr/antlr4-runtime/4.13.0/antlr4-runtime-4.13.0.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-simple/2.0.12/slf4j-simple-2.0.12.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-api/2.0.12/slf4j-api-2.0.12.jar com.intellij.rt.junit.JUnitStarter -ideVersion5 -junit5 integration.IntegrationLoginServlet gen 29, 2026 3:37:44 PM org.hibernate.jpa.internal.util.LogHelper logPersistenceUnitInformation INFO: HHH000204: Processing PersistenceUnitInfo [name: FutureForgeGearPU-test] gen 29, 2026 3:37:45 PM org.hibernate.Version logVersion INFO: HHH000412: Hibernate ORM core version 6.4.4.Final gen 29, 2026 3:37:45 PM org.hibernate.cache.internal.RegionFactoryInitiator initiateService INFO: HHH000026: Second-level cache disabled gen 29, 2026 3:37:45 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl configure WARN: HHH10001002: Using built-in connection pool (not intended for production use) gen 29, 2026 3:37:45 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator INFO: HHH10001005: Loaded JDBC driver class: org.h2.Driver gen 29, 2026 3:37:45 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator INFO: HHH10001012: Connecting with JDBC URL [jdbc:h2:mem:fgg_test;MODE=MySQL;DB_CLOSE_DELAY=-1;DATABASE_TO_UPPER=false] gen 29, 2026 3:37:45 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator INFO: HHH10001001: Connection properties: {password="***", user="sa"} gen 29, 2026 3:37:45 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator INFO: HHH10001003: Autocommit mode: false gen 29, 2026 3:37:45 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl\$SpooledConnections <init> INFO: HHH10001115: Connection pool size: 20 (min=1) gen 29, 2026 3:37:45 PM org.hibernate.resource.beans.spi.ManagedBeanRegistryInitiator resolveBeanContainer INFO: HHH10005002: No explicit CDI BeanManager reference was passed to Hibernate, but CDI is available on the Hibernate ClassLoader. gen 29, 2026 3:37:45 PM org.hibernate.engine.transaction.jta.platform.internal.JtaPlatformInitiator initiateService INFO: HHH000489: No JTA platform available (set 'hibernate.transaction.jta.platform' to enable JTA platform integration) gen 29, 2026 3:37:45 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtaImpl getIsolatedConnection INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator\$ConnectionProviderJdbcConnectionAccess@17d19538] for (non-JTA) DDL execution was not in auto-commit mode; the Connection 'local transaction' will be committed and the Connection will be set into auto-commit mode. gen 29, 2026 3:37:45 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtaImpl getIsolatedConnection INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator\$ConnectionProviderJdbcConnectionAccess@1f57666b] for (non-JTA) DDL execution was not in auto-commit mode; the Connection 'local transaction' will be committed and the Connection will be set into auto-commit mode. gen 29, 2026 3:37:46 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl\$PoolState stop INFO: HHH10001008: Cleaning up connection pool [jdbc:h2:mem:fgg_test;MODE=MySQL;DB_CLOSE_DELAY=-1;DATABASE_TO_UPPER=false] Process finished with exit code 0 | |
| doPost_passwordErrata_forwardLoginConErrore() | passed 420 ms |
| doPost_utenteEsiste_passwordCorretta_ruoloCliente_redirectHome2_e_settaSessione() | passed 31 ms |
| doPost_utenteEsiste_passwordCorretta_ruoloNonCliente_redirectProfile() | passed 6 ms |
| doPost_utenteNonEsiste_forwardLoginConErrore() | passed 3 ms |
| doGet_caricaClienti_e_faForwardLoginJsp() | passed 4 ms |

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| Progetto: Future Forge Gear | Versione: 1.0 |
| Documento: Test Execution Report | Data: 29/01/2026 |

3.4 Gestione Ordini **Casi speciali**

IntegrationOrderService: 11 total, 11 passed

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

| | | |
|--|--------|-------|
| org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator INFO: HHH10001012: Connecting with JDBC URL [jdbc:h2:mem:ffg_test;MODE=MySQL;DB_CLOSE_DELAY=-1;DATABASE_TO_UPPER=false] gen 29, 2026 2:47:58 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator INFO: HHH10001001: Connection properties: {password='****', user='sa'} gen 29, 2026 2:47:58 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator INFO: HHH10001003: Autocommit mode: false gen 29, 2026 2:47:58 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl\$PooledConnections <init> INFO: HHH10001115: Connection pool size: 20 (min=1) gen 29, 2026 2:47:58 PM org.hibernate.resource.beans.spi.ManagedBeanRegistryInitiator resolveBeanContainer INFO: HHH10005002: No explicit CDI BeanManager reference was passed to Hibernate, but CDI is available on the Hibernate ClassLoader. gen 29, 2026 2:47:58 PM org.hibernate.engine.transaction.jta.platform.internal.JtaPlatformInitiator initiateService INFO: HHH000489: No JTA platform available (set 'hibernate.transaction.jta.platform' to enable JTA platform integration) gen 29, 2026 2:47:58 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtaImpl getIsolatedConnection INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator\$ConnectionProviderJdbcConnectionAccess@70cd122] for (non-JTA) DDL execution was not in auto-commit mode; the Connection 'local transaction' will be committed and the Connection will be set into auto-commit mode. gen 29, 2026 2:47:58 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtaImpl getIsolatedConnection INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator\$ConnectionProviderJdbcConnectionAccess@8585ccdd] for (non-JTA) DDL execution was not in auto-commit mode; the Connection 'local transaction' will be committed and the Connection will be set into auto-commit mode. gen 29, 2026 2:47:59 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtaImpl getIsolatedConnection INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator\$ConnectionProviderJdbcConnectionAccess@2245ccaa] for (non-JTA) DDL execution was not in auto-commit mode; the Connection 'local transaction' will be committed and the Connection will be set into auto-commit mode. gen 29, 2026 2:47:59 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtaImpl getIsolatedConnection INFO: HHH10001008: Cleaning up connection pool [jdbc:h2:mem:ffg_test;MODE=MySQL;DB_CLOSE_DELAY=-1;DATABASE_TO_UPPER=false] Process finished with exit code 0 | passed | 93 ms |
| findOrdersByCostumer_ritornaSoloQuelliDelCliente() | passed | 9 ms |
| removeOrder_rimuoveDavvero() | passed | 9 ms |
| findByState_ritornaSoloQuelliConStato() | passed | 5 ms |
| findAllGestoreOrdini_ritornaTuttiGestori() | passed | 7 ms |
| updateOrder_merge_aggiornaTotale() | passed | 7 ms |
| findByDate_conFirmaAttuale_DateVsLocalDate_Time_lanciaEccezione() | passed | 3 ms |
| findAllOrders_ritornaTutti() | passed | 4 ms |
| findOrderByid_esiste_ok_nonEsiste_null() | passed | 2 ms |
| findByPrize_ritornaSoloQuelliConTotaleEsatto() | passed | 4 ms |
| findOrdersByGestore_ritornaSoloQuelliDelGestore() | passed | 5 ms |
| addOrder_persiste_e_generaid() | passed | 3 ms |

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3.5 Gestione casi speciali Registrazioni

IntegrationRegisterServlet: 3 total, 3 passed

451 ms

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| | | |
|--|--------|--------|
| 4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/http/4.25.0.jar:/Users/francescolamanna/.m2/repository/dev/failsafe/failsafe/3.3.2/failsafe-3.3.2.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-ie-driver/4.25.0/selenium-ie-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-remote-driver/4.25.0/selenium-remote-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/com/google/guava/guava/33.3.0-jre/guava-33.3.0-jre.jar:/Users/francescolamanna/.m2/repository/com/google/guava/failureaccess/1.0.2/failureaccess-1.0.2.jar:/Users/francescolamanna/.m2/repository/com/google/guava/listenablefuture/9999.0-empty-to-avoid-conflict-with-guava/listenablefuture-9999.0-empty-to-avoid-conflict-with-guava.jar:/Users/francescolamanna/.m2/repository/com/findbugs/jsr305/3.0.2/jsr305-3.0.2.jar:/Users/francescolamanna/.m2/repository/org/checkerframework/checker-qual/3.43.0/checker-qual-3.43.0.jar:/Users/francescolamanna/.m2/repository/org/checkerframework/checker-qual/3.43.0.1/checker-qual-3.43.0.1.jar:/Users/francescolamanna/.m2/repository/com/google/errorprone/error_prone_annotations/2.28.0/error_prone_annotations-2.28.0.jar:/Users/francescolamanna/.m2/repository/com/google/j2objc/j2objc-annotations/3.0.0/j2objc-annotations-3.0.0.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-semconv/1.25.0-alpha/opentelemetry-semconv-1.25.0-alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api/1.42.1/opentelemetry-api-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-context/1.42.1/opentelemetry-context-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-exporter-logging/1.42.1/opentelemetry-exporter-logging-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-common/1.42.1/opentelemetry-sdk-common-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure-spi/1.42.1/opentelemetry-sdk-extension-autoconfigure-spi-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure/1.42.1/opentelemetry-sdk-extension-autoconfigure-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api-incubator/1.42.1-alpha/opentelemetry-api-incubator-1.42.1-alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-trace/1.42.1/opentelemetry-trace-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-metrics/1.42.1/opentelemetry-sdk-metrics-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-logs/1.42.1/opentelemetry-sdk-logs-1.42.1.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-os/4.25.0/selenium-os-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/apache/commons/commons-exec/1.4.0/commons-exec-1.4.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-safari-driver/4.25.0/selenium-safari-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-support/4.25.0/selenium-support-4.25.0.jar:/Users/francescolamanna/.m2/repository/com/h2database/h2/2.2.224/h2-2.2.224.jar:/Users/francescolamanna/.m2/repository/org/hibernate/orm/hibernate-core/6.4.4.Final.jar:/Users/francescolamanna/.m2/repository/org/hibernate/common/hibernate-commons-annotations/6.0.6.Final.jar:/Users/francescolamanna/.m2/repository/com/fasterxml/classmate/1.5.1/classmate-1.5.1.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/eclipse/angus/angus-activation/2.0.0/angus-activation-2.0.0.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/bwx2/4.0.2/bwx2-4.0.2.jar:/Users/francescolamanna/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-4.1.1.jar:/Users/francescolamanna/.m2/repository/org/antlr/antlr4-runtime/4.13.0/antlr4-runtime-4.13.0.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-simple/2.0.12/slf4j-simple-2.0.12.jar:/Users/francescolamanna/.m2/repository/org/intellij.rt.junit/JUnitStarter -ideVersion5 -junit5 integration.IntegrationRegisterServlet Process finished with exit code 0 | passed | 447 ms |
| doPost_casoOk_chiamaAddUser_e_redirectHome() | passed | 2 ms |
| doPost_numCivicoNonNumerico_lanciaNumberFormatException() | passed | 2 ms |
| doPost_capNonNumerico_lanciaNumberFormatException() | passed | 2 ms |

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| Progetto: Future Forge Gear | Versione: 1.0 |
| Documento: Test Execution Report | Data: 29/01/2026 |

3.6 Gestione Quantità prodotti in carrello

IntegrationUpdateQuantityServlet: 3 total, 3 passed

470 ms

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

```
4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-http/4.25.0/selenium-http-4.25.0.jar:/Users/francescolamanna/.m2/repository/dev/failsafe/failsafe-3.3.2/failsafe-3.3.2.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-ie-driver/4.25.0/selenium-ie-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-remote-driver/4.25.0/selenium-remote-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/com/google/guava/guava/33.3.0-jre/guava-33.3.0-jre.jar:/Users/francescolamanna/.m2/repository/com/google/guava/failureaccess/1.0.2/failureaccess-1.0.2.jar:/Users/francescolamanna/.m2/repository/com/google/guava/listenablefuture/9999.0-empty-to-avoid-conflict-with-guava/listenablefuture-9999.0-empty-to-avoid-conflict-with-guava.jar:/Users/francescolamanna/.m2/repository/com/google/guava/findbugs/jr305/3.0.2/jr305-3.0.2.jar:/Users/francescolamanna/.m2/repository/org/checkerframework/checker-qual/3.43.0/checker-qual-3.43.0.jar:/Users/francescolamanna/.m2/repository/com/google/error_prone/error_prone_annotations/2.28.0/error_prone_annotations-2.28.0.jar:/Users/francescolamanna/.m2/repository/com/google/j2objc/j2objc-annotations/3.0.0/j2objc-annotations-3.0.0.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/semconv/opentelemetry-semconv/1.25.0-alpha/opentelemetry-semconv-1.25.0-alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api/1.42.1/opentelemetry-api-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-context/1.42.1/opentelemetry-context-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-exporter-logging/1.42.1/opentelemetry-exporter-logging-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-common/1.42.1/opentelemetry-opentelemetry-sdk-common-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure-sp/1.42.1/opentelemetry-sdk-extension-autoconfigure-sp-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-extension-autoconfigure/1.42.1/opentelemetry-sdk-extension-autoconfigure-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-api-incubator/1.42.1-alpha/opentelemetry-api-incubator-1.42.1-alpha.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-trace/1.42.1/opentelemetry-sdk-trace-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-1.42.1/opentelemetry-sdk-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-metrics/1.42.1/opentelemetry-sdk-metrics-1.42.1.jar:/Users/francescolamanna/.m2/repository/io/opentelemetry/opentelemetry-sdk-logs/1.42.1/opentelemetry-sdk-logs-1.42.1.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/selenium-os/4.25.0/selenium-os-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/apache/commons/commons-exec/1.4.0/commons-exec-1.4.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium/safari-driver/4.25.0/selenium-safari-driver-4.25.0.jar:/Users/francescolamanna/.m2/repository/org/seleniumhq/selenium-support/4.25.0/selenium-support-4.25.0.jar:/Users/francescolamanna/.m2/repository/com/h2database/h2/2.2.224/h2-2.2.224.jar:/Users/francescolamanna/.m2/repository/org/hibernate/orm/hibernate-core/6.4.4.Final/hibernate-core-6.4.4.Final.jar:/Users/francescolamanna/.m2/repository/org/hibernate/common/hibernate-commons-annotations/6.0.6.Final/hibernate-commons-annotations-6.0.6.Final.jar:/Users/francescolamanna/.m2/repository/io/smallrye/jandex/3.1.2/jandex-3.1.2.jar:/Users/francescolamanna/.m2/repository/com/fasterxml/classmate/1.5.1/classmate-1.5.1.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-4.0.2.jar:/Users/francescolamanna/.m2/repository/org/eclipse/angus/angus-activation/2.0.0/angus-activation-2.0.0.jar:/Users/francescolamanna/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-4.1.1.jar:/Users/francescolamanna/.m2/repository/org/antlr/antlr4-runtime/4.13.0/antlr4-runtime-4.13.0.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-simple/2.0.12/slf4j-simple-2.0.12.jar:/Users/francescolamanna/.m2/repository/org/slf4j/slf4j-api/2.0.12/slf4j-api-2.0.12.jar com.intellij.rt.junit.JUnitStarter -ideVersion5 -junit5 integration.IntegrationUpdateQuantityServlet Process finished with exit code 0
```

[doPost_cartPresente_aggiornaQuantita_aggiornaSessione_eRedirect\(\)](#)

passed 465 ms

[doPost_cartNull_nonAggiornaSessione_maRedirect\(\)](#)

passed 2 ms

[doPost_parametriNonNumerici_lanciaNumberFormatException\(\)](#)

passed 3 ms

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3.7 Gestione Ricerca utenti

IntegrationUserService: 10 total, 10 passed

86 ms

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

```
production use) gen 29, 2026 12:26:21 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator INFO: HHH10001005: Loaded JDBC driver class: org.h2.Driver gen 29, 2026 12:26:21 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator INFO: HHH10001012: Connecting with JDBC URL [jdbc:h2:mem:fg_test;MODE=MySQL;DB_CLOSE_DELAY=-1;DATABASE_TO_UPPER=false] gen 29, 2026 12:26:21 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator INFO: HHH10001001: Connection properties: {password='***', user='sa'} gen 29, 2026 12:26:21 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl$PooledConnections <init> INFO: HHH10001115: Connection pool size: 20 (min=1) gen 29, 2026 12:26:21 PM org.hibernate.resource.beans.spi.ManagedBeanRegistryInitiator resolveBeanContainer INFO: HHH10005002: No explicit CDI BeanManager reference was passed to Hibernate, but CDI is available on the Hibernate ClassLoader. gen 29, 2026 12:26:22 PM org.hibernate.engine.transaction.jta.platform.internal.JtaPlatformInitiator initiateService INFO: HHH000489: No JTA platform available (set 'hibernate.transaction.jta.platform' to enable JTA platform integration) gen 29, 2026 12:26:22 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtaImpl getIsolatedConnection INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator$ConnectionProvider$JdbcConnectionAccess@4a2653a0] for (non-JTA) DDL execution was not in auto-commit mode; the Connection 'local transaction' will be committed and the Connection will be set into auto-commit mode. gen 29, 2026 12:26:22 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtaImpl getIsolatedConnection INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator$ConnectionProvider$JdbcConnectionAccess@54a5496f] for (non-JTA) DDL execution was not in auto-commit mode; the Connection 'local transaction' will be committed and the Connection will be set into auto-commit mode. gen 29, 2026 12:26:22 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtaImpl getIsolatedConnection INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator$ConnectionProvider$JdbcConnectionAccess@1fd35a92] for (non-JTA) DDL execution was not in auto-commit mode; the Connection 'local transaction' will be committed and the Connection will be set into auto-commit mode. gen 29, 2026 12:26:22 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl$PoolState stop INFO: HHH10001008: Cleaning up connection pool [jdbc:h2:mem:fg_test;MODE=MySQL;DB_CLOSE_DELAY=-1;DATABASE_TO_UPPER=false] Process finished with exit code 0
```

[findAllUsers_listaUtenti\(\)](#)

passed 59 ms

[findUserByEmail_ricercaPerEmail\(\)](#)

passed 6 ms

[isAdmin_verificaAdmin\(\)](#)

passed 3 ms

[updateUser_aggiornamentoUtente\(\)](#)

passed 7 ms

[addUser_creazioneUtente\(\)](#)

passed 1 ms

[removeUser_rimozioneUtente\(\)](#)

passed 4 ms

[findUserByD_id_ricercaPerId\(\)](#)

passed 1 ms

[isLogged_loginUtente\(\)](#)

passed 2 ms

[findUserByEmail_emailNonTrovata\(\)](#)

passed 2 ms

[isLogged_loginUtenteInesistente\(\)](#)

passed 1 ms

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| | |
|----------------------------------|------------------|
| Progetto: Future Forge Gear | Versione: 1.0 |
| Documento: Test Execution Report | Data: 29/01/2026 |

4. ESECUZIONE TEST DI SISTEMA

Di seguito è riportato lo screen riassuntivo dei test di sistema eseguiti tramite Selenium.

Project: FutureForgeGear*

The screenshot shows a Selenium IDE interface with the following sections:

- Tests:** A sidebar listing tests: AggiuntaCarrello, Login, ModificaNomeProdottoM, ModificaStatoOrdineGes, RegistrazioneEmail, RegistrazionePassword, and RichiestaProdottoMagaz. RichiestaProdottoMagaz is currently selected.
- Search tests...**: A search bar.
- Command Table:** A table showing the steps for the selected test:

| | Command | Target | Value |
|---|---------|---|-------|
| 1 | ✓ open | http://localhost:8080/FutureForgeGear_war_exploded/home.jsp | |
| 2 | ✓ click | css=tr:nth-child(2) .btn-edit:nth-child(4) | |
| 3 | ✓ click | id=quantity | |
| 4 | ✓ type | id=quantity | 0 |
| 5 | ✓ click | css=button:nth-child(17) | |
| 6 | ✓ type | id=quantity | 1 |
| 7 | ✓ click | css=button:nth-child(17) | |
- Log Table:** A table showing the execution log with columns Log, Reference, and Time.

| Log | Reference | |
|--|-----------|----------|
| Running 'RichiestaProdottoMagazziniere' | | 18:44:32 |
| 1. open on http://localhost:8080/FutureForgeGear_war_exploded/magazzinoProdotti OK | | 18:44:32 |
| 2. click on css=tr:nth-child(2) .btn-edit:nth-child(4) OK | | 18:44:32 |
| 3. click on id=quantity OK | | 18:44:32 |
| 4. type on id=quantity with value 0 OK | | 18:44:32 |
| 5. click on css=button:nth-child(17) OK | | 18:44:32 |
| 6. type on id=quantity with value 1 OK | | 18:44:33 |
| 7. click on css=button:nth-child(17) OK | | 18:44:33 |