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| Destinatario | Prof.ssa F. Ferrucci |
| Presentato da | Marco Delle Cave, Francesco Pagano,  Manuel Pisciotta, Alessia Olivieri |
| Approvato da |  |



Unit Test Report

TutoratoSmart

Revision History

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| **Data** | **Versione** | **Cambiamenti** | **Autori** |
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# 1. Introduzione

Questo documento ha lo scopo di riportare i risultati dell’esecuzione dei test case di unità e di integrazione delle varie componenti del software web “TutoratoSmart”; il package Control rappresenta il secondo layer da testare nel processo di testing d’integrazione. Le classi sono state testate con l’utilizzo di JUnit e Mockito.

In particolare, sono state adottate due strategie di testing, black-box e white-box.

* **Black-Box Testing:**

Come linea guida abbiamo seguito gli use case identificati in precedenza nel RAD. Abbiamo effettuato un test per ogni test-case individuato nel documento Test Plan e specificato nel documento Test Case Specification.

* **White-Box Testing:**

Abbiamo utilizzato la tecnica del branch testing per assicurarci che il codice prodotto funzionasse correttamente e abbiamo scelto come percentuale di branch coverage delle classi di almeno il 75%.

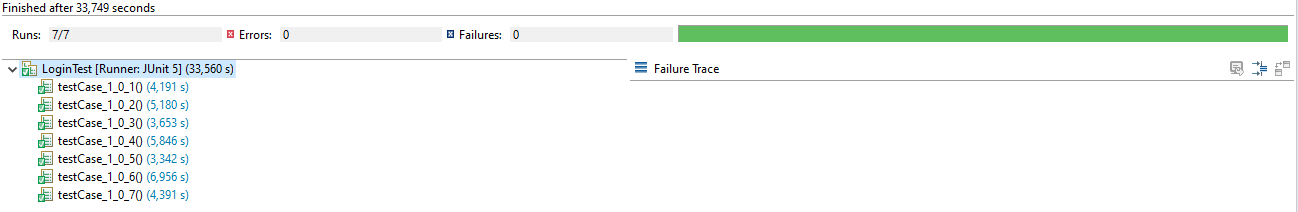
# 2. Riferimenti

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* TS\_TP\_V\_0.2
* TS\_TCS\_V\_0.3
* TS\_ITD\_V\_0.2

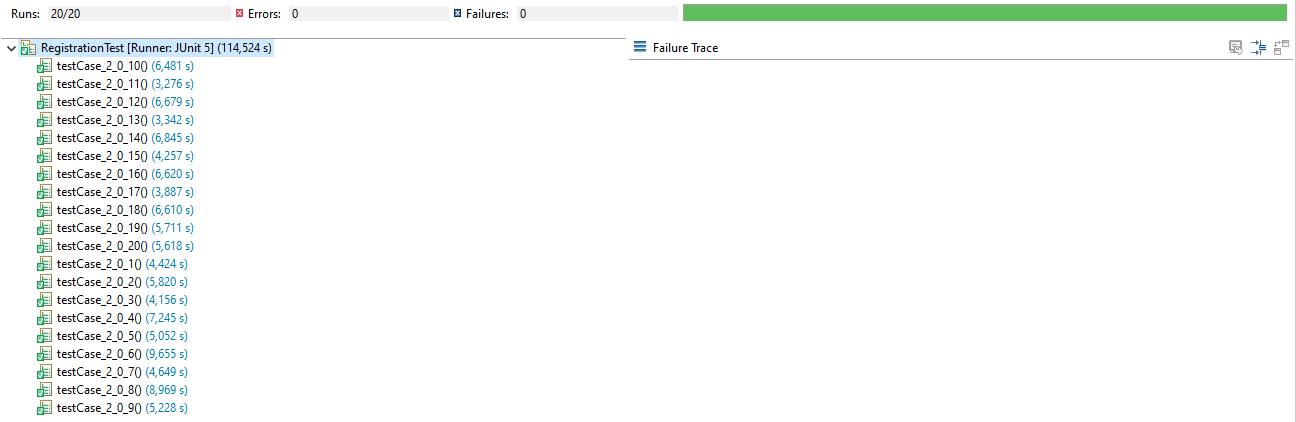
# 3. Dettagli

## 3.1 Black-box Testing

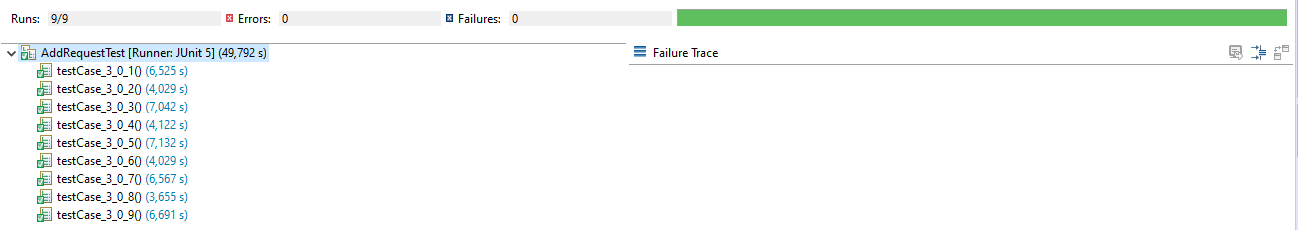
**3.1.1 TC\_1: Autenticazione Utente**



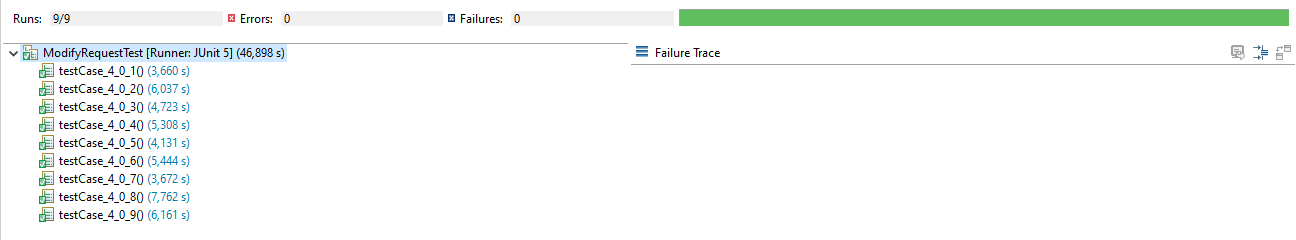
**3.1.2 TC\_2: Registrazione Studente**



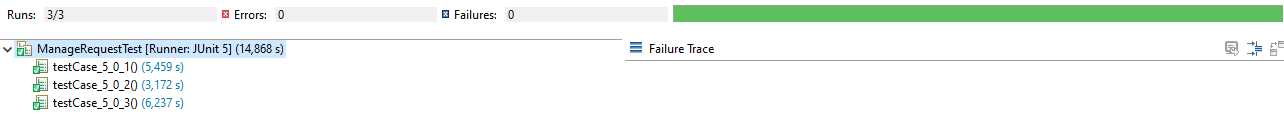
**3.1.3 TC\_3: Compilazione Richiesta**



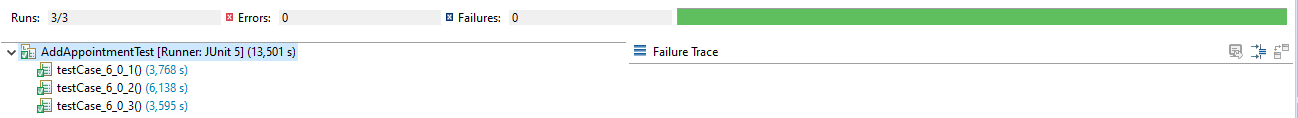
**3.1.4 TC\_4: Modifica Prenotazione**



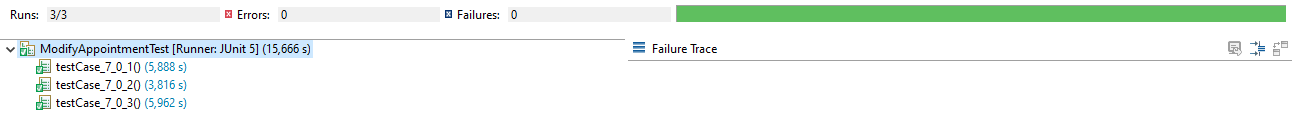
**3.1.5 TC\_5: Gestione Richiesta**



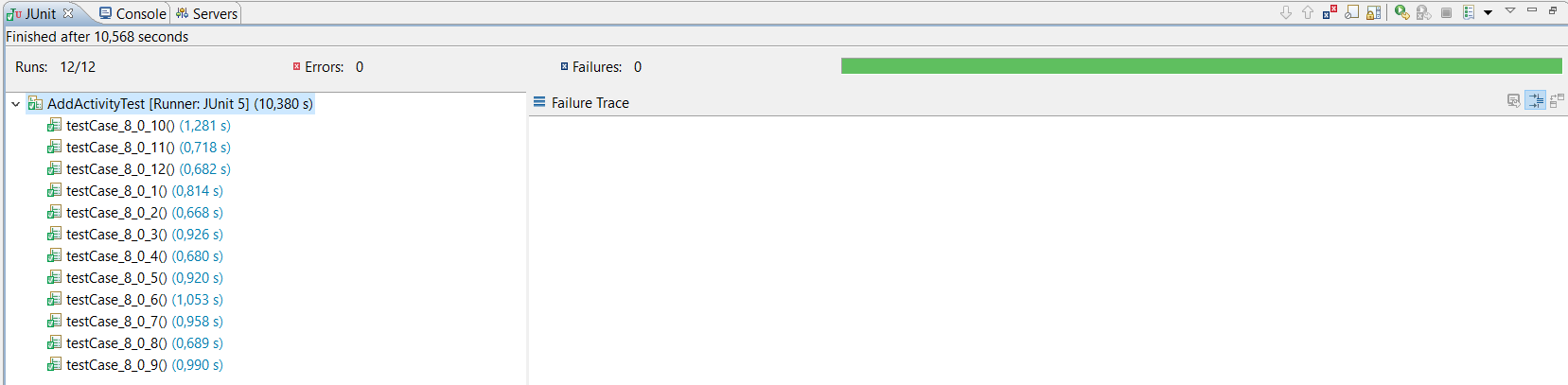
**3.1.6 TC\_6: Conferma Appuntamento**



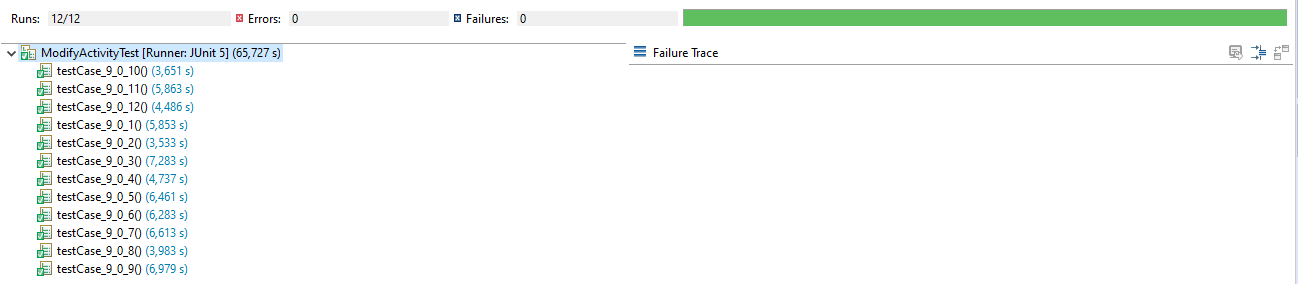
**3.1.7 TC\_7: Modifica Appuntamento**



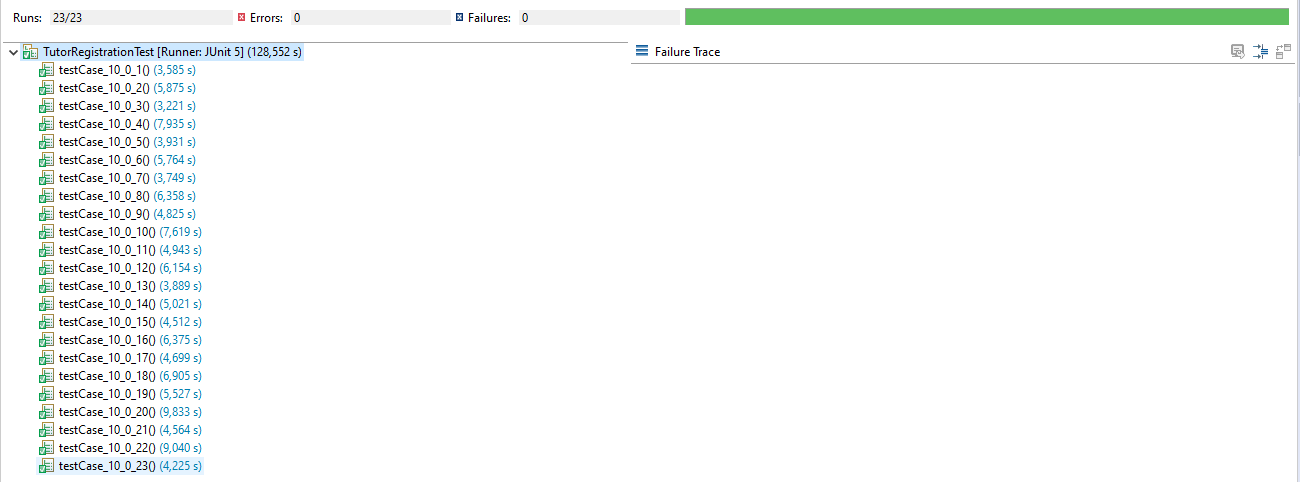
**3.1.8 TC\_8: Aggiunta Attività Lavorativa**



**3.1.9 TC\_9: Modifica Attività Lavorativa**



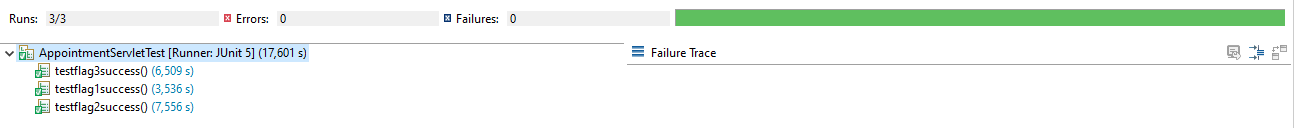
**3.1.10 TC\_10: Registrazione Tutor**



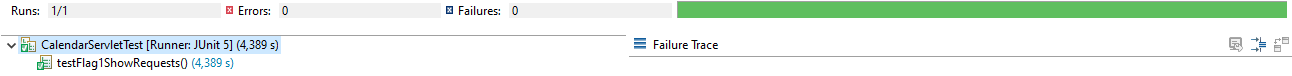
**3.2 White-box Testing**

**3.2.1 Request\_Management**

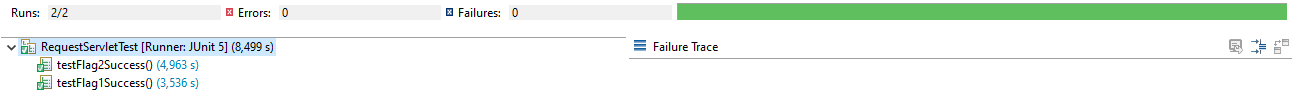
**3.2.1.1 AppointmentServlet**



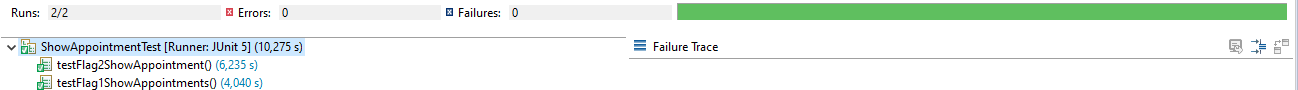
**3.2.1.2 CalendarServlet**



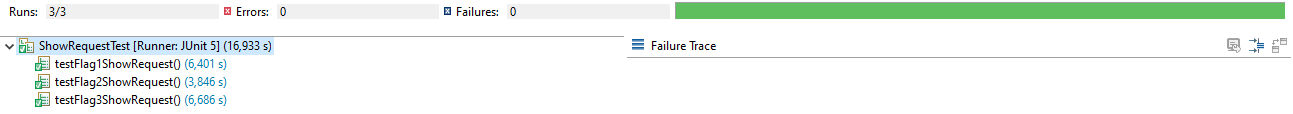
**3.2.1.3 RequestServlet**



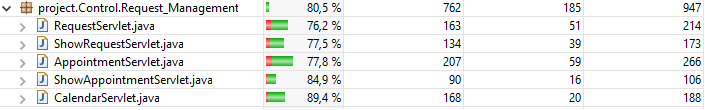
**3.2.1.4 ShowAppointmentServlet**



**3.2.1.5 ShowRequestServlet**

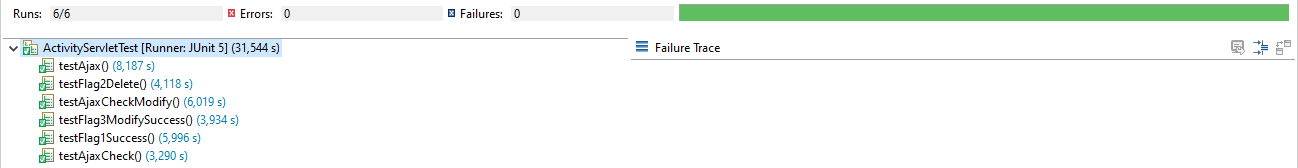


**3.2.1.6 Coverage**

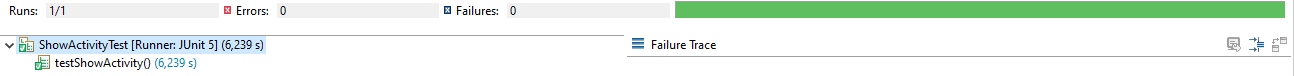


**3.2.2 Tutoring\_Activity\_Management**

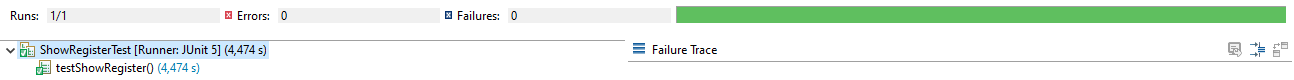
**3.2.2.1 ActivityServlet**



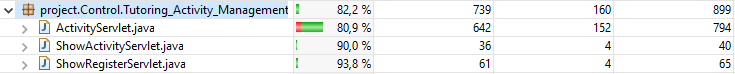
**3.2.2.2 ShowActivityServlet**



**3.2.2.3 ShowRegisterServlet**

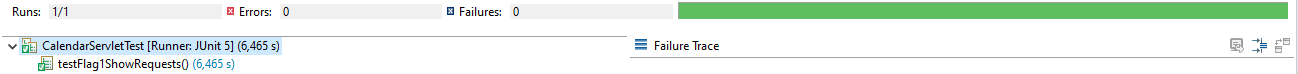


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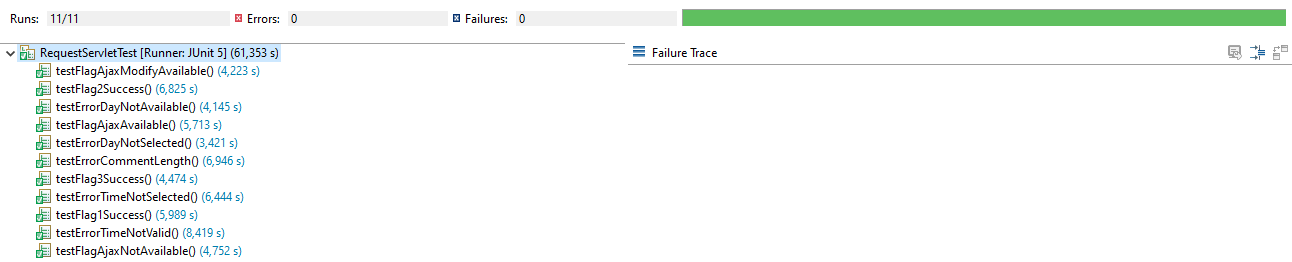


**3.2.3 Tutoring\_Request**

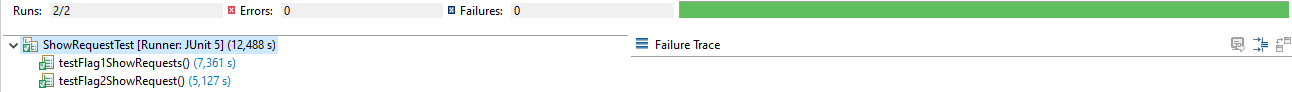
**3.2.3.1 CalendarServlet**



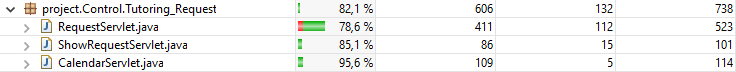
**3.2.3.2 RequestServlet**



**3.2.3.3 ShowRequestServlet**

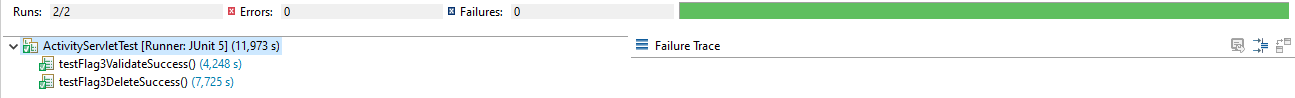


**3.2.3.4 Coverage**

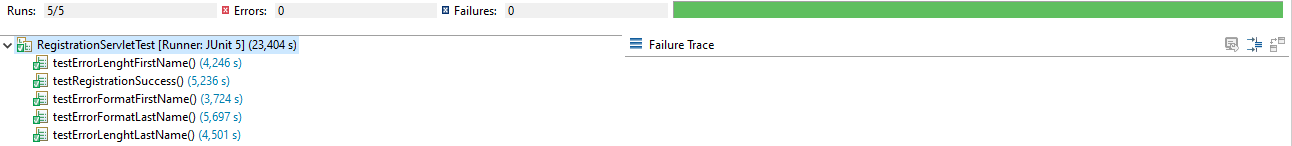


**3.2.4 Tutoring\_Supervision**

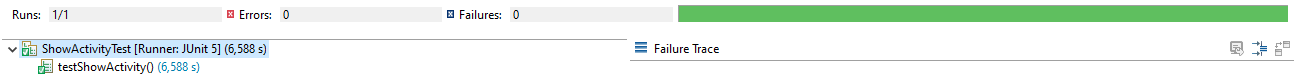
**3.2.4.1 ActivityServlet**



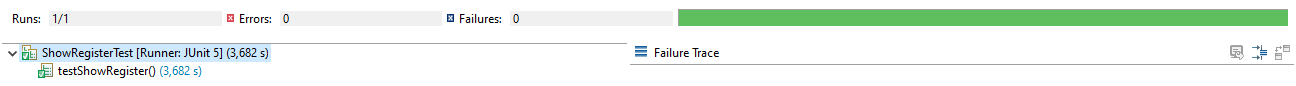
**3.2.4.2 RegistrationServlet**



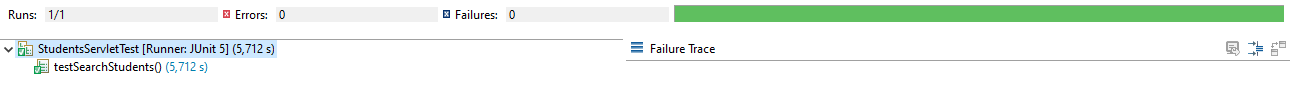
**3.2.4.3 ShowActivityServlet**



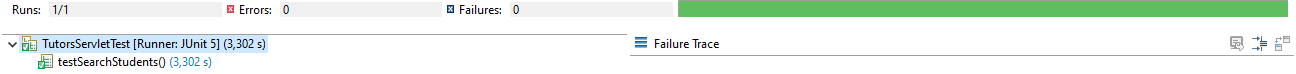
**3.2.4.4 ShowRegisterServlet**



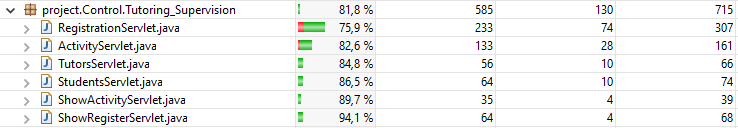
**3.2.4.5 StudentsServlet**



**3.2.4.6 TutorsServlet**

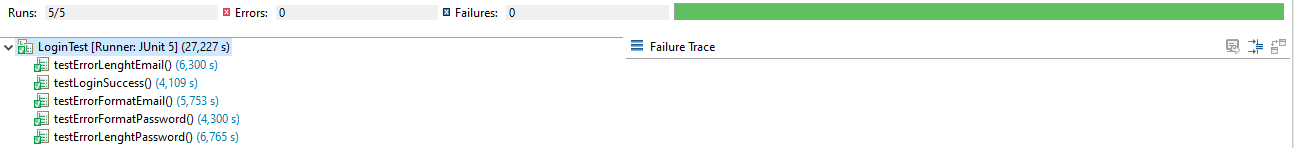


**3.2.4.7 Coverage**

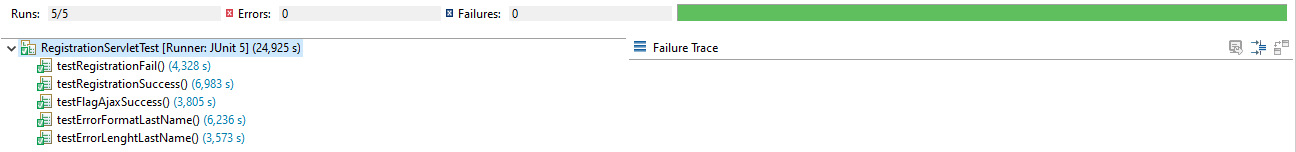


**3.2.5 User**

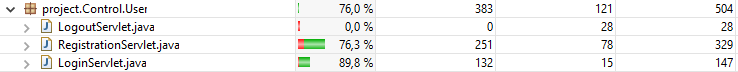
**3.2.5.1 Login**



**3.2.5.2 Registration**



**3.2.5.3 Coverage**



# 4. Conclusioni e raccomandazioni

I risultati ottenuti mostrano che non ci sono errori. Si può passare quindi alla fase di testing successiva, il testing di sistema.