



DocuExchange

Test Summary Report

DocuExchange Unisa informatica

Presentato da:

Impronta Giacomo
Erra Paolo
de Rosa Michele
Bruno Emanuele

Revision History

Data	Versione	Cambiamenti	Autori
20/1/20	0.1	Prima Stesura	Emanuele Bruno
21/1/20	0.2	Completamento e aggiunta degli screenshot del testing	Michele de Rosa

1. Sommario

I.	1.	Sommario	2
II.	1.	Introduzione	3
III.	2.	Risultati del layer Model	3
IV.	3.	Risultati del layer Controller	5
V.	4.	Risultati Selenium	9
VI.	5.	Coverage	10
VII.	6.	Riepilogo Testing	11
VIII.	7.	Glossario	11

2. Introduzione

In questo documento vengono riportati i risultati finali ottenuti dal testing delle diverse componenti della piattaforma DocuExchange, il testing è stato effettuato tramite l'utilizzo di JUnit e il tool Selenium.

1.1. Scopo

Lo scopo di questo documento è di fornire una presentazione dei casi di test di unità per il software “DocuExchange”. Tutti i membri del team di sviluppo si sono impegnati a garantire che tutte le componenti del software rispettino il comportamento specificato nei modelli e non presentino alcuna anomalia.

1.2. Riferimenti

- NC_7_RAD_V0.12.docx
- NC_7_SDD_V0.7.docx
- NC_7_ODD_V0.6.docx
- NC_7_TC_V0.10.docx

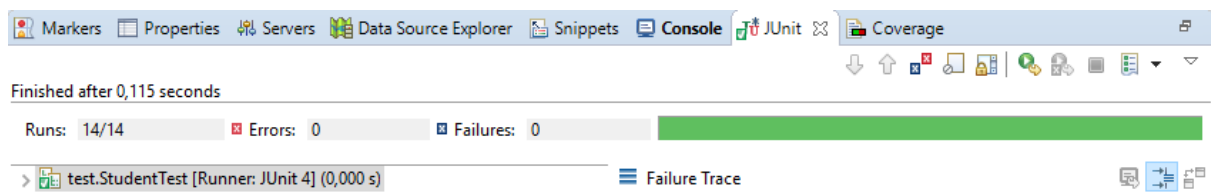
3. Risultati del layer Model

Sotto vengono riportati i risultati per il layer Model

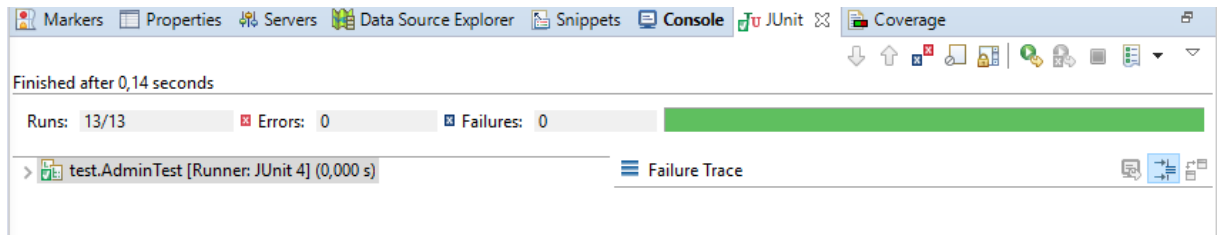
2.1. Componenti testate

- Student
- Admin
- Note
- Review
- Request

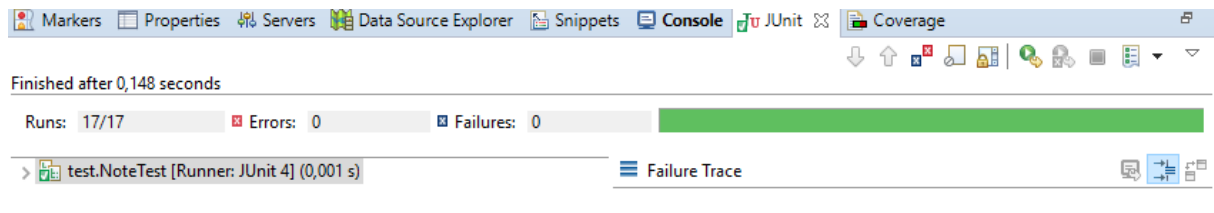
2.1.1. Classe Student



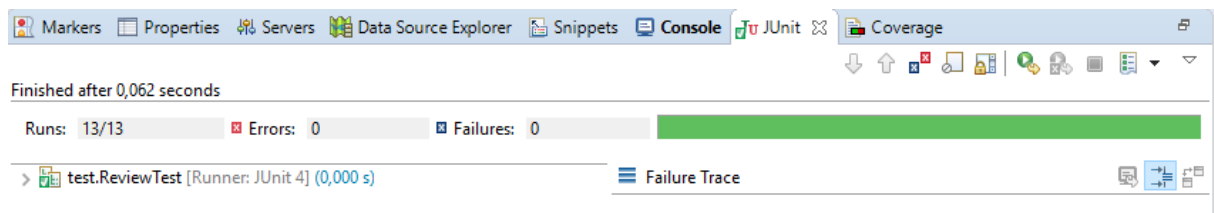
2.1.2. Classe Admin



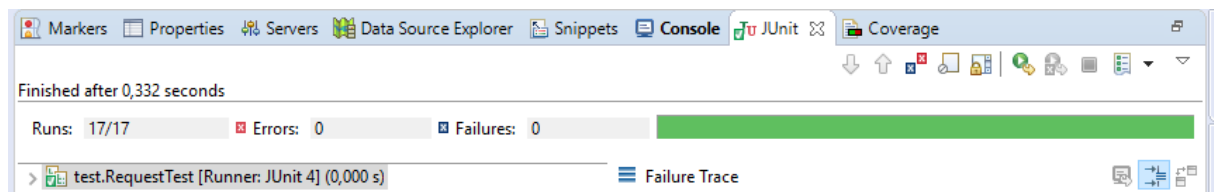
2.1.3. Classe Note



2.1.4. Classe Review



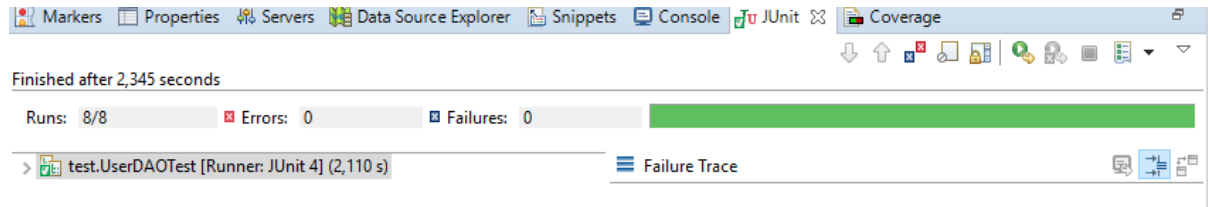
2.1.5. Classe Request



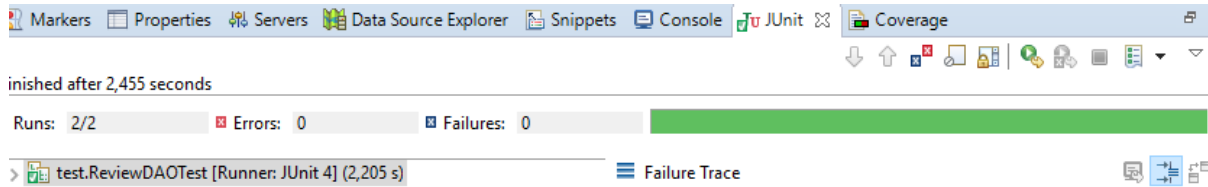
Per quanto riguarda le DAO, le componenti testate sono:

- NoteDAO
- ReviewDAO
- UserDAO

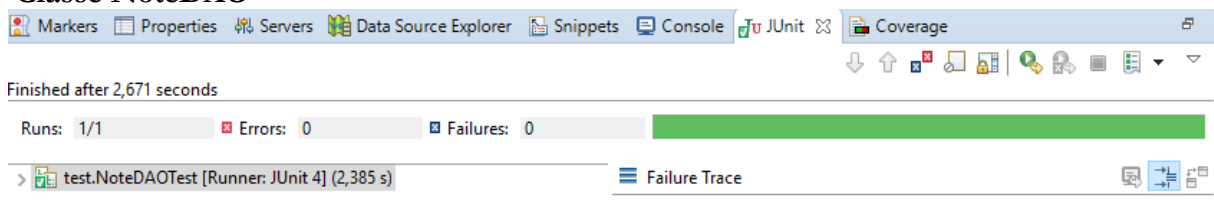
1. Classe UserDao



2. Classe ReviewDao



3. Classe NoteDao



4. Risultati del layer Controller

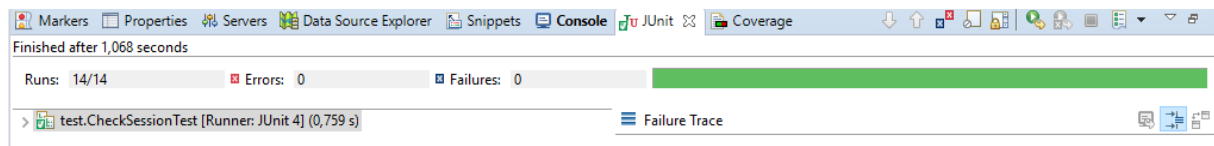
Sotto vengono riporta i risultati per il layer Controller

3.1. Componenti testate

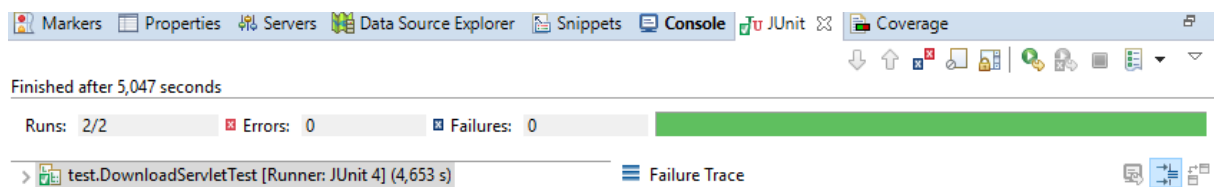
- DBConnection
- DownloaderServlet
- StudentInsertReview
- StudentListNote
- StudentListStudent
- StudentRegistration
- StudentSearchNote
- StudentSearchStudent
- StudentSendRequest
- StudentShowMyProfile
- StudentShowNote

- StudentShowProfile
- AdminCheckRequest
- AdminSearchRequest
- AdminShowListRequest
- AdminShowRequest
- CommonEditProfile
- CommonLogin
- CommonLogout
- SendEmail

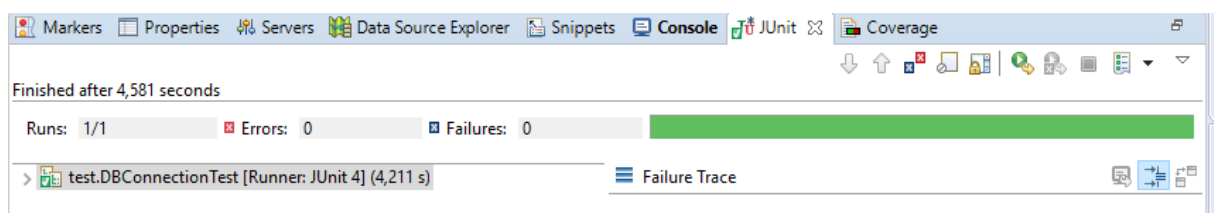
3.1.1. Classe CheckSession



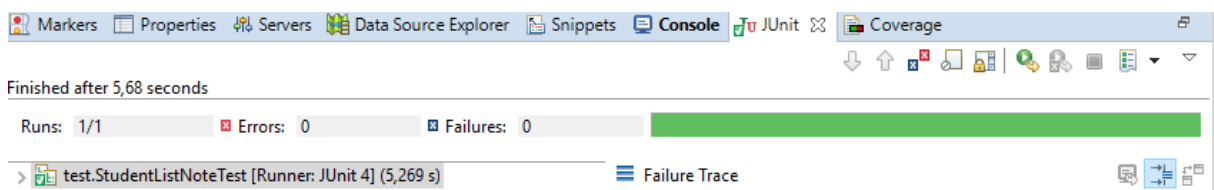
3.1.2. Classe DownloadServlet



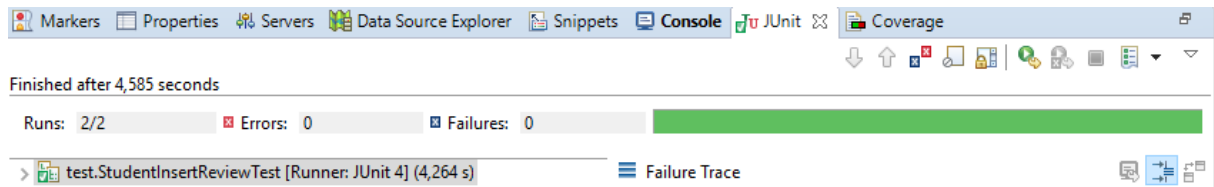
3.1.3. Classe DBConnection



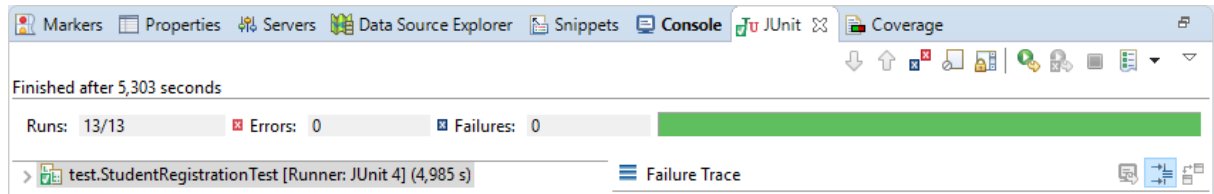
3.1.4. Classe StudentListNote



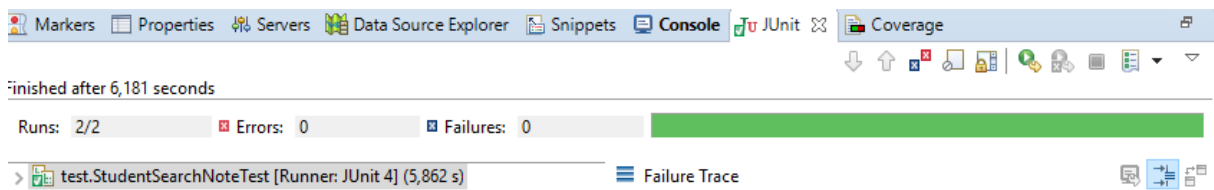
3.1.5. Classe StudentInsertReview



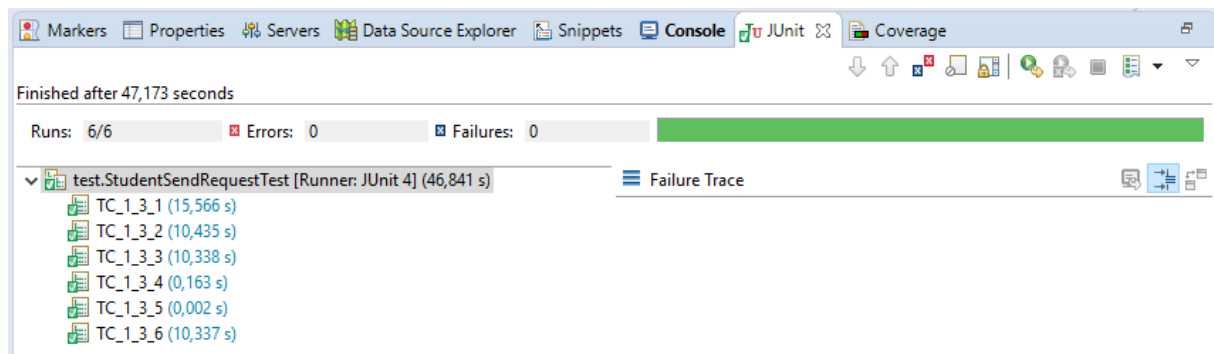
3.1.6. Classe StudentRegistration



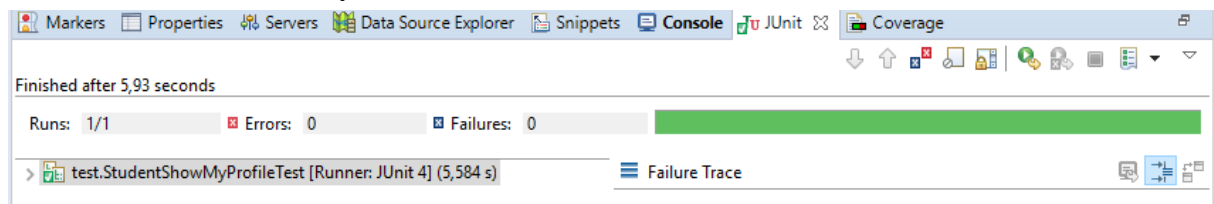
3.1.7. Classe StudentSearchNote



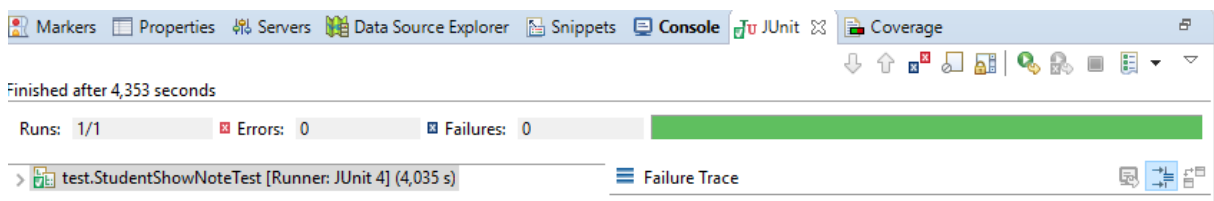
3.1.8. Classe StudentSendRequest



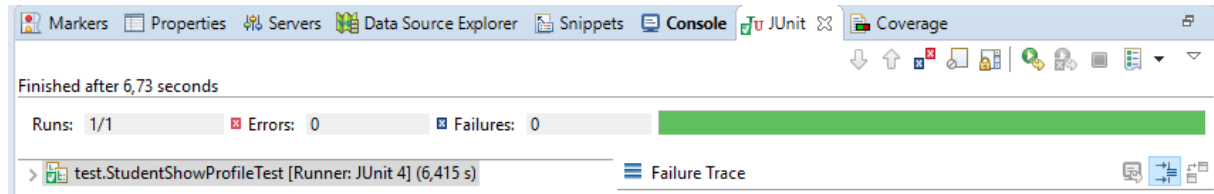
3.1.9. Classe StudentShowMyProfile



3.1.10. Classe StudentShowNote

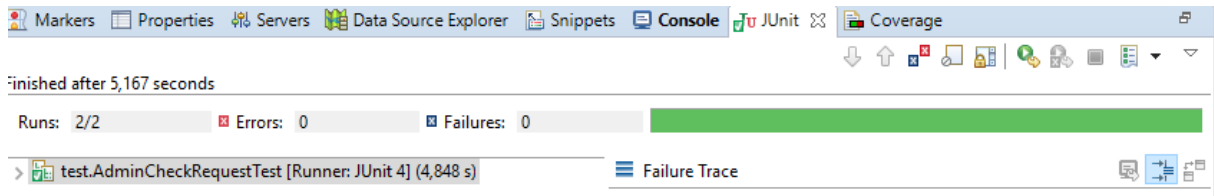


3.1.11. Classe StudentShowProfile



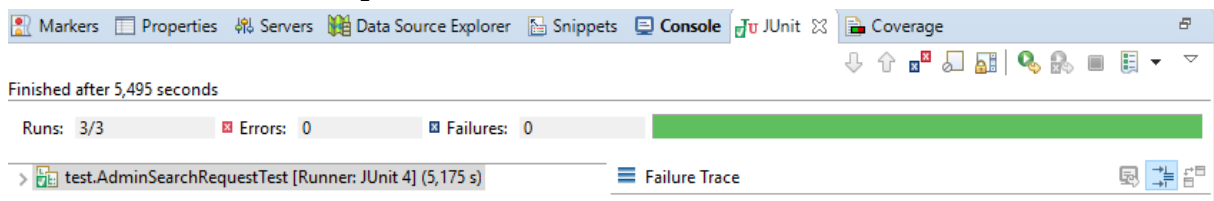
JUnit test results for `test.StudentShowProfileTest` [Runner: JUnit 4] (6,415 s). The test finished after 6,73 seconds. The status bar shows 1/1 runs, 0 errors, and 0 failures. A green progress bar indicates successful completion. The interface includes tabs for Markers, Properties, Servers, Data Source Explorer, Snippets, Console, JUnit, and Coverage. A Failure Trace link is available at the bottom right.

3.1.12. Classe AdminCheckRequest



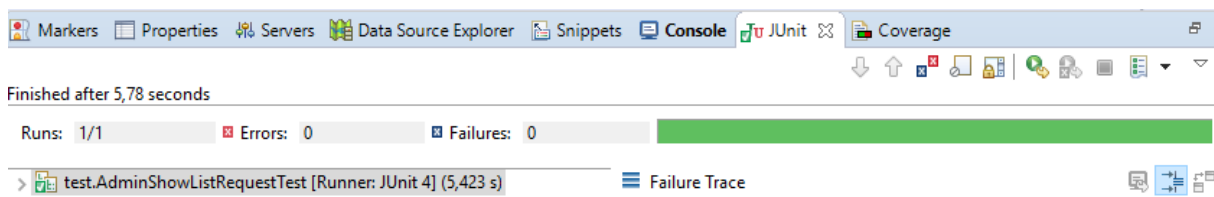
JUnit test results for `test.AdminCheckRequestTest` [Runner: JUnit 4] (4,848 s). The test finished after 5,167 seconds. The status bar shows 2/2 runs, 0 errors, and 0 failures. A green progress bar indicates successful completion. The interface includes tabs for Markers, Properties, Servers, Data Source Explorer, Snippets, Console, JUnit, and Coverage. A Failure Trace link is available at the bottom right.

3.1.13. Classe AdminSearchRequest



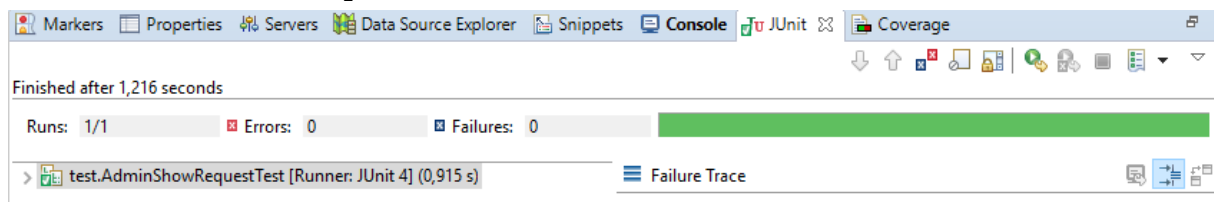
JUnit test results for `test.AdminSearchRequestTest` [Runner: JUnit 4] (5,175 s). The test finished after 5,495 seconds. The status bar shows 3/3 runs, 0 errors, and 0 failures. A green progress bar indicates successful completion. The interface includes tabs for Markers, Properties, Servers, Data Source Explorer, Snippets, Console, JUnit, and Coverage. A Failure Trace link is available at the bottom right.

3.1.14. Classe AdminShowListRequest



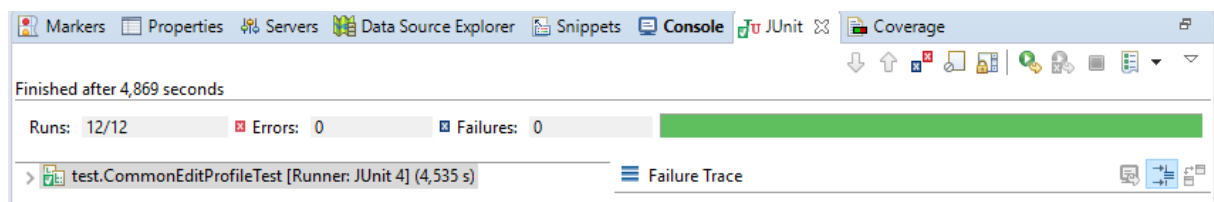
JUnit test results for `test.AdminShowListRequestTest` [Runner: JUnit 4] (5,423 s). The test finished after 5,78 seconds. The status bar shows 1/1 runs, 0 errors, and 0 failures. A green progress bar indicates successful completion. The interface includes tabs for Markers, Properties, Servers, Data Source Explorer, Snippets, Console, JUnit, and Coverage. A Failure Trace link is available at the bottom right.

3.1.15. Classe AdminShowRequest



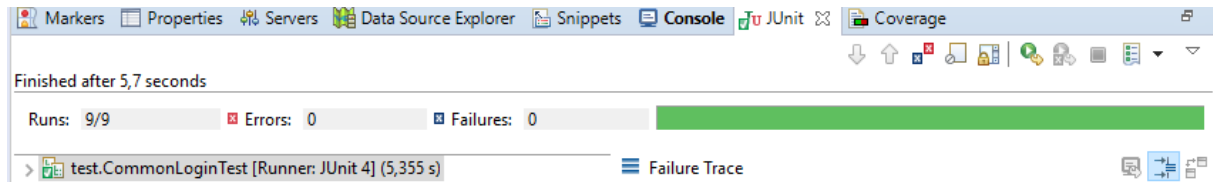
JUnit test results for `test.AdminShowRequestTest` [Runner: JUnit 4] (0,915 s). The test finished after 1,216 seconds. The status bar shows 1/1 runs, 0 errors, and 0 failures. A green progress bar indicates successful completion. The interface includes tabs for Markers, Properties, Servers, Data Source Explorer, Snippets, Console, JUnit, and Coverage. A Failure Trace link is available at the bottom right.

3.1.16. Classe CommonEditProfile

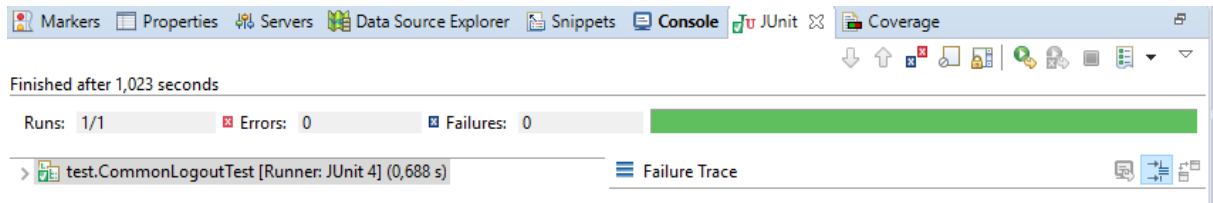


JUnit test results for `test.CommonEditProfileTest` [Runner: JUnit 4] (4,535 s). The test finished after 4,869 seconds. The status bar shows 12/12 runs, 0 errors, and 0 failures. A green progress bar indicates successful completion. The interface includes tabs for Markers, Properties, Servers, Data Source Explorer, Snippets, Console, JUnit, and Coverage. A Failure Trace link is available at the bottom right.

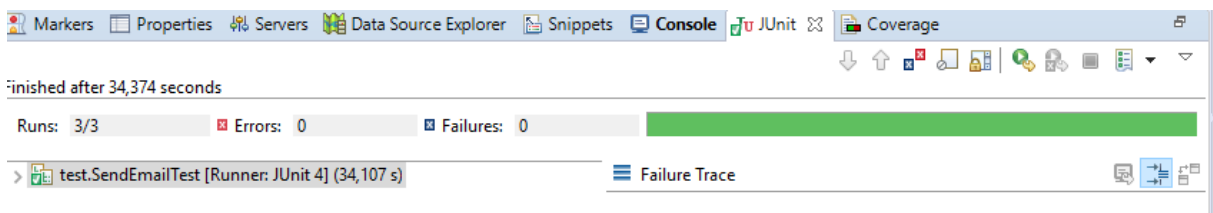
3.1.17. Classe CommonLogin



3.1.18. Classe CommonLogout



3.1.19. Classe SendEmail



5. Risultati Selenium

Qui sono riportati i risultati dei test di sistema effettuati.

4.1 Componenti Testate

Con il testing di sistema sono stati eseguiti i test case pianificati nei diversi documenti di testing. Di seguito è stato aggiunto il percorso dove poter trovare i relativi test.

In particolare, sono stati testati:

- TC_1.1 Registrazione Utente (NC_7_TC_v0.10/TC 1.1)
- TC_1.2 Login (NC_7_TC_v0.10/TC 1.2)
- TC_1.4 Recensione (NC_7_TC_v0.10/TC 1.4)
- TC_1.5 Ricerca Studente (NC_7_TC_v0.10/TC 1.5)
- TC_1.6 Ricerca Richiesta (NC_7_TC_v0.10/TC 1.6)

4.2 Componenti non testate

Alcuni test che sono stati pianificati, non sono stati testati perché abbiamo deciso di controllare scrupolosamente determinati input in modo da gestire al meglio errori che potrebbero compromettere il buon utilizzo del software da parte dell'utente.

Di seguito sono riportati i test che non sono stati eseguiti:

- TC_1.3 Invio Richiesta
- TC_1.7 Modifica Profilo

6. Coverage











Coverage controller

Markers	Properties	Servers	Data Source Explorer	Snippets	Console	JUnit	Coverage	
AllTests (29 gen 2020 10:55:05)								
Element	Coverage	Covered Instructio...	Missed Instructions	Total Instructions				
▼ DocuExchange	90,4 %	8.679	926	9.605				
▼ src	90,4 %	8.679	926	9.605				
> model	99,2 %	380	3	383				
▼ controller	92,2 %	2.572	217	2.789				
> CheckSession.java	100,0 %	86	0	86				
> CommonLogin.java	100,0 %	132	0	132				
> CommonLogout.java	100,0 %	82	0	82				
> StudentSearchStudent.java	100,0 %	164	0	164				
> StudentSendRequest.java	100,0 %	146	0	146				
> CommonEditProfile.java	97,2 %	176	5	181				
> StudentListNote.java	96,5 %	82	3	85				
> AdminSearchRequest.java	96,0 %	119	5	124				
> StudentSearchNote.java	95,7 %	112	5	117				
> StudentShowNote.java	95,7 %	111	5	116				
> StudentShowProfile.java	95,7 %	111	5	116				
> AdminShowRequest.java	95,1 %	97	5	102				
> StudentListStudent.java	94,7 %	90	5	95				
> StudentShowMyProfile.java	94,7 %	90	5	95				
> AdminShowListRequest.java	94,3 %	82	5	87				
> StudentInsertReview.java	94,0 %	156	10	166				
> DownloaderServlet.java	91,8 %	247	22	269				
> StudentRegistration.java	90,8 %	207	21	228				
> AdminCheckRequest.java	73,9 %	130	46	176				

Coverage model

Markers	Properties	Servers	Data Source Explorer	Snippets	Console	JUnit	Coverage	
AllTests (29 gen 2020 10:55:05)								
Element	Coverage	Covered Instructio...	Missed Instructions	Total Instructions				
▼ DocuExchange	90,4 %	8.679	926	9.605				
▼ src	90,4 %	8.679	926	9.605				
▼ model	99,2 %	380	3	383				
> Note.java	100,0 %	86	0	86				
> Request.java	100,0 %	86	0	86				
> Review.java	100,0 %	66	0	66				
> Student.java	100,0 %	76	0	76				
> Admin.java	95,7 %	66	3	69				
> controller	92,2 %	2.572	217	2.789				
> test	90,7 %	4.622	475	5.097				
> model.DAO	82,7 %	1.105	231	1.336				

Coverage model.DAO

Element	Coverage	Covered Instructio...	Missed Instructions	Total Instructions
DocuExchange	 90,4 %	8.679	926	9.605
src	 90,4 %	8.679	926	9.605
model	 99,2 %	380	3	383
controller	 92,2 %	2.572	217	2.789
test	 90,7 %	4.622	475	5.097
model.DAO	 82,7 %	1.105	231	1.336
ReviewDAO.java	 89,7 %	105	12	117
NoteDAO.java	 83,7 %	522	102	624
UserDAO.java	 83,6 %	419	82	501
DBConnection.java	 62,8 %	59	35	94

7. Riepilogo Testing

	Numero di componenti testate	Numero di errori trovati	Numero di errori corretti	Numero di componenti non testate
Model	5	0	0	0
Model.Dao	3	0	0	0
Controller	19	3	3	0

8. Glossario

RAD (Requirement Analysis Document): è un documento di raccolta e analisi dei requisiti funzionali e non funzionali che vengono individuati e poi descritti con l'utilizzo di scenari e casi d'uso.

SDD (System Design Document): è un documento dove avviene la prima progettazione del nostro sistema in cui vengono definiti design goals e trade off. Vi è anche una suddivisione del sistema in sottosistemi più semplici, ognuno dei quali offre un determinato servizio.

ODD (Object Design Document): in questo documento vengono prese decisioni di implementazione scegliendo fra varie modalità, raffinando e ottimizzando i modelli precedenti e attuare, se necessario, politiche di riuso di componenti già esistenti.

TP (Testing Plan): in questo documento viene indicata la strategia di testing che si andrà ad adottare e lo schedule di tutte le funzioni che dovranno essere testate.

TCS (Test Case Specification): in questo documento vengono descritti in maniera dettagliata tutti i test che sono stati pianificati, come devono essere testati e in che modo per ogni singola funzionalità.

TER (Test Execution Report): è un documento che mostra i risultati ottenuti dall'esecuzione di tutte le classi di test.