

Test Execution Report

Progetto GameSquare



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1. Tests

1.1 Login

| | |
|----------------|-------------------|
| Nome | TC_2.1_1 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Errore |
| Output Sistema | Errore |
| Esito | Corretto |
| Numero Prove | 4 |
| Categoria | |

| Executing ▾ | | ▶ ◀ ⚙ ↺ | |
|-------------|------------------------|---|-----------------------|
| TC_2_1_1 | | http://localhost:8080/GameSquare/pagina-richieste.jsp | |
| | Command | Target | Value |
| 1. | open | /GameSquare/login-page.jsp | |
| 2. | click | id=email | |
| 3. | type | id=email | dixierocker@gmail.com |
| 4. | click | id=password | |
| 5. | type | id=password | unima01 |
| 6. | click | name=Submit | |
| 7. | assert element present | id=email-errata | |

| | |
|----------------|-------------------|
| Nome | TC_2.1_2 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Errore |
| Output Sistema | Errore |
| Esito | Corretto |
| Numero Prove | 4 |
| Categoria | |

Laurea Triennale in Informatica - Università degli Studi di Salerno
Corso di *Ingegneria del Software* - Prof. A. De Lucia

| Executing | TC_2.1_2 | http://localhost:8080/GameSquare/pagina-richieste.jsp |
|---------------------------|----------------------------|---|
| Command | Target | Value |
| 1. open | /GameSquare/login-page.jsp | |
| 2. click | id=email | |
| 3. type | id=email | pkblackandwhite@gmail.com |
| 4. click | id=password | |
| 5. type | id=password | eskere |
| 6. click | name=Submit | |
| 7. assert element present | id=password-errata | |

| | |
|----------------|-------------------|
| Nome | TC_2.1_3 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Successo |
| Output Sistema | Successo |
| Esito | Corretto |
| Numero Prove | 4 |
| Categoria | |

| Executing | TC_2.1_3 | http://localhost:8080/GameSquare/pagina-richieste.jsp |
|-----------------|----------------------------|---|
| Command | Target | Value |
| 1. open | /GameSquare/login-page.jsp | |
| 2. click | id=email | |
| 3. type | id=email | pkblackandwhite@gmail.com |
| 4. click | id=password | |
| 5. type | id=password | unima01 |
| 6. click | name=Submit | |
| 7. assert title | GameSquare - Home | |

1.2 Logout

| | |
|----------------|-------------------|
| Nome | TC_2.2_2 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Successo |
| Output Sistema | Successo |
| Esito | Corretto |
| Numero Prove | 4 |
| Categoria | |

| | | | |
|-------------|---|-----------------------------------|-------|
| Executing ▾ | ⏮ ⏪ ⏩ ⏭ 🔍 | | |
| TC_2.2_2 | http://localhost:8080/GameSquare/pagina-richieste.jsp | | |
| | Command | Target | Value |
| | 1. open | http://localhost:8080/GameSquare/ | |
| | 2. click | linkText=LOGOUT | |
| | 3. assert title | Logout completato | |

1.3 SearchByKeyword

| | |
|----------------|-------------------|
| Nome | TC_2.3_1 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Errore |
| Output Sistema | Errore |
| Esito | Corretto |
| Numero Prove | 4 |
| Categoria | |

| | | | |
|-----------|---|-----------------------------------|---------------|
| Executing | http://localhost:8080/GameSquare/pagina-richieste.jsp | | |
| TC_2.3_1 | Command | Target | Value |
| | 1. open | http://localhost:8080/GameSquare/ | |
| | 2. click | name=cerca | |
| | 3. type | name=cerca | isaas |
| | 4. send keys | name=cerca | \$(KEY_ENTER) |
| | 5. assert element present | css=row:nth-child(1) > h4 | |

| | |
|----------------|-------------------|
| Nome | TC_2.3_2 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Successo |
| Output Sistema | Successo |
| Esito | Corretto |
| Numero Prove | 4 |
| Categoria | |

| | | | |
|-----------|---|---|---------------|
| Executing | http://localhost:8080/GameSquare/pagina-richieste.jsp | | |
| TC_2.3_2 | Command | Target | Value |
| | 1. open | http://localhost:8080/GameSquare/ | |
| | 2. click | name=cerca | |
| | 3. type | name=cerca | isaac |
| | 4. send keys | name=cerca | \$(KEY_ENTER) |
| | 5. assert element present | linkText=The Binding of Isaac: Repentance | |

1.4 AddGameToList

| | |
|----------------|-------------------|
| Nome | TC_2.4_1 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Errore |
| Output Sistema | Errore |
| Esito | Corretto |
| Numero Prove | 4 |
| Categoria | |

| Executing - | | | |
|--|-------------|--|----------------------------|
| TC_2.4_1 | | | |
| http://localhost:8080/GameSquare/pagina-ricieste.jsp | | | |
| | Command | Target | Value |
| 1. | open | /GameSquare/login-page.jsp | |
| 2. | type | id=email | pikblackandwhite@gmail.com |
| 3. | type | id=password | unima01 |
| 4. | click | name=Submit | |
| 5. | open | http://localhost:8080/GameSquare/GamePage?id=3 | |
| 6. | click | id=category | |
| 7. | select | id=category | label=Platinato |
| 8. | click | id=category | |
| 9. | click | id=addButton | |
| 10. | click | id=category | |
| 11. | select | id=category | label=Platinato |
| 12. | click | id=category | |
| 13. | click | id=addButton | |
| 14. | pause | 1500 | |
| 15. | assert text | id=userCategory | Platinato |

| | |
|----------------|-------------------|
| Nome | TC_2.4_2 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Successo |
| Output Sistema | Successo |
| Esito | Corretto |
| Numero Prove | 4 |
| Categoria | |

| Executing | Run current test Ctrl+R | meSquare/pagina-ricieste.jsp |
|---------------------|--|------------------------------|
| Command | Target | Value |
| 1. open | http://localhost:8080/GameSquare/GamePage?id=3 | |
| 2. click | id=category | |
| 3. select | id=category | label=Completato |
| 4. click | id=category | |
| 5. click | id=addButton | |
| 6. click | id=category | |
| 7. select | id=category | label=Platinato |
| 8. click | id=category | |
| 9. click | id=addButton | |
| 10. open | http://localhost:8080/GameSquare/GamePage?id=3 | |
| 11. pause | 1500 | |
| 12. assert not text | id=userCategory | Completato |

| | |
|----------------|-------------------|
| Nome | TC_2.4_3 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Successo |
| Output Sistema | Successo |
| Esito | Corretto |
| Numero Prove | 4 |
| Categoria | |

| Executing | Run current test Ctrl+R | http://localhost:8080/GameSquare |
|----------------|--|----------------------------------|
| Command | Target | Value |
| 1. open | http://localhost:8080/GameSquare/GamePage?id=3 | |
| 2. click | id=deleteFromList | |
| 3. pause | 500 | |
| 4. click | id=category | |
| 5. select | id=category | label=In corso |
| 6. click | id=addButton | |
| 7. pause | 500 | |
| 8. assert text | id=userCategory | In corso |

1.5 VoteGame

| | |
|----------------|-------------------|
| Nome | TC_2.5_1 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Errore |
| Output Sistema | Errore |
| Esito | Corretto |
| Numero Prove | 3 |
| Categoria | |

| | | | |
|-------------|---|--|----------|
| Executing ▾ | ▶ ▶ 🔄 ⌛ ▾ | | |
| TC_2.5_1 | http://localhost:8080/GameSquare/pagina-richieste.jsp | | |
| | Command | Target | Value |
| 1. | open | http://localhost:8080/GameSquare/GamePage?id=3 | |
| 2. | click | id=vote | |
| 3. | select | id=vote | label=10 |
| 4. | click | id=vote | |
| 5. | click | id=reindirizzamento-login | |
| 6. | assert title | GameSquare - Login | |

| | |
|----------------|-------------------|
| Nome | TC_2.5_3 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Successo |
| Output Sistema | Successo |
| Esito | Corretto |
| Numero Prove | 3 |
| Categoria | |

| | | | |
|-------------|---|--|---------|
| Executing ▾ | ▶ ▶ ⏏ ⌂ ▾ | | |
| TC_2_5_3 | http://localhost:8080/GameSquare/pagina-richieste.jsp | | |
| | Command | Target | Value |
| 1. | open | http://localhost:8080/GameSquare/GamePage?id=7 | |
| 2. | click | id=vote | |
| 3. | select | id=vote | label=9 |
| 4. | click | id=vote | |
| 5. | click | id=voteButton | |
| 6. | mouse over | id=voteButton | |
| 7. | assert text | css= num-voto | 9 |

1.6 AddThread

| | |
|----------------|-------------------|
| Nome | TC_2.6_1 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Errore |
| Output Sistema | Errore |
| Esito | Corretto |
| Numero Prove | 4 |
| Categoria | |

| | | | |
|-----------|--|---|--------------------|
| Executing | http://localhost:8080/GameSquare/pagina-ricieste.jsp | | |
| TC_2_6_1 | Command | Target | Value |
| | 1. open | http://localhost:8080/GameSquare/nuova-discussione.jsp?gameid=7 | |
| | 2. click | id=thread_type | |
| | 3. select | id=thread_type | label=Suggerimenti |
| | 4. click | id=thread_type | |
| | 5. click | id=thread_text | |
| | 6. type | id=thread_text | Descrizione valida |
| | 7. click | id=buttoncrea | |
| | 8. assert title | Nuova Discussione | |

| | |
|----------------|-------------------|
| Nome | TC_2.6_2/3/4/5 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Successo |
| Output Sistema | Successo |
| Esito | Corretto |
| Numero Prove | 3 |
| Categoria | |

| | | | |
|----------------|--|---|--------------------|
| Executing | <div> ▶ ▶ ⏏ ⌂ </div> | | |
| TC_2_6_2/3/4/5 | http://localhost:8080/GameSquare/pagina-richieste.jsp | | |
| | Command | Target | Value |
| 1 | open | http://localhost:8080/GameSquare/nuova-discussione.jsp?gameid=7 | |
| 2 | click | xpath=//div[@id='input-box']/label | |
| 3 | type | id=thread_title | Titolo valido |
| 4 | click | id=thread_type | |
| 5 | select | id=thread_type | label=Suggerimenti |
| 6 | click | id=thread_type | |
| 7 | click | id=text-label | |
| 8 | type | id=thread_text | Discussione valida |
| 9 | click | id=buttoncrea | |
| 10 | pause | 4000 | |
| 11 | assert title | GameSquare - Hades | |

1.7 AddGame

| | |
|----------------|-------------------|
| Nome | TC_2.7_1 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Errore |
| Output Sistema | Errore |
| Esito | Corretto |
| Numero Prove | 4 |
| Categoria | |

| | | | |
|-----------|---|-----------------------------------|------------------|
| Executing | http://localhost:8080/GameSquare/pagina-richieste.jsp | | |
| TC_2.7_1 | Command | Target | Value |
| | 1 open | http://localhost:8080/GameSquare/ | |
| | 2 click | linkText=Aggiungi Gioco | |
| | 3 click | id=publisher | |
| | 4 type | id=publisher | id Software |
| | 5 click | id=game_genre | |
| | 6 select | id=game_genre | label=Sparatutto |
| | 7 click | id=game_genre | |
| | 8 click | css=body | |
| | 9 type | id=score | 70 |
| | 10 click | css=body | |
| | 11 select | id=game_year | label=2016 |
| | 12 click | id=game_year | |
| | 13 click | id=game_desc | |
| | 14 type | id=game_desc | Un bel gioco |
| | 15 click | id=buttonaggiungi | |
| | 16 click | css= swal2-confirm | |
| | 17 assert title | Aggiunta di un nuovo gioco | |

| | |
|----------------|-------------------|
| Nome | TC_2.7_2 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Errore |
| Output Sistema | Errore |
| Esito | Corretto |
| Numero Prove | 3 |
| Categoria | |

| | | | |
|-----------|--|-----------------------------------|------------------|
| Executing | TC_2_7_2 | | |
| | http://localhost:8080/GameSquare/pagina-ricieste.jsp | | |
| | Command | Target | Value |
| 1 | open | http://localhost:8080/GameSquare/ | |
| 2 | click | linkText=Aggiungi Gioco | |
| 3 | click | id=game_title | |
| 4 | type | id=game_title | DOOM |
| 5 | click | id=game_genre | |
| 6 | select | id=game_genre | label=Sparatutto |
| 7 | click | id=game_genre | |
| 8 | click | css=body | |
| 9 | type | id=score | 70 |
| 10 | click | css=body | |
| 11 | select | id=game_year | label=2016 |
| 12 | click | id=game_year | |
| 13 | click | id=game_desc | |
| 14 | type | id=game_desc | Un bel gioco |
| 15 | click | id=buttonaggiungi | |
| 16 | click | css=.swal2-confirm | |
| 17 | assert title | Aggiunta di un nuovo gioco | |

| | |
|----------------|-------------------|
| Nome | TC_2.7_6 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Errore |
| Output Sistema | Errore |
| Esito | Corretto |
| Numero Prove | 3 |
| Categoria | |

| Executing | http://localhost:8080/GameSquare/pagina-richieste.jsp | | |
|-----------|---|-----------------------------------|------------------|
| | Command | Target | Value |
| 1 | open | http://localhost:8080/GameSquare/ | |
| 2 | click | linkText=Aggiungi Gioco | |
| 3 | click | id=game_title | |
| 4 | type | id=game_title | DOOM |
| 5 | click | id=publisher | |
| 6 | type | id=publisher | id Software |
| 7 | click | id=game_genre | |
| 8 | select | id=game_genre | label=Sparatutto |
| 9 | click | id=game_genre | |
| 10 | click | css=body | |
| 11 | type | id=score | 70 |
| 12 | click | css=body | |
| 13 | select | id=game_year | label=2016 |
| 14 | click | id=game_year | |
| 15 | click | id=game_desc | |
| 16 | type | id=game_desc | Un bel gioco |
| 17 | click | id=buttonaggiungi | |
| 18 | click | css=swal2-container | |
| 19 | assert title | Aggiunta di un nuovo gioco | |

| | |
|----------------|-------------------|
| Nome | TC_2.7_7 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Successo |
| Output Sistema | Successo |
| Esito | Corretto |
| Numero Prove | 3 |
| Categoria | |

| Executing | | | |
|---|--------------|-----------------------------------|----------------------------|
| TC_2.7_7* | | | |
| http://localhost:8080/GameSquare/pagina-richieste.jsp | | | |
| | Command | Target | Value |
| 1. | open | http://localhost:8080/GameSquare/ | |
| 2. | click | linkText=Aggiungi Gioco | |
| 3. | click | id=game_title | |
| 4. | type | id=game_title | Paperino Operazione Papero |
| 5. | click | id=publisher | |
| 6. | type | id=publisher | Disney |
| 7. | click | id=game_genre | |
| 8. | select | id=game_genre | label=Platform |
| 9. | click | id=game_genre | |
| 10. | click | css=body | |
| 11. | type | id=score | 60 |
| 12. | click | css=body | |
| 13. | select | id=game_year | label=2000 |
| 14. | click | id=game_year | |
| 15. | click | id=game_desc | |
| 16. | type | id=game_desc | Meglio Crash |
| 17. | click | id=buttonaggiungi | |
| 18. | pause | 3500 | |
| 19. | assert title | GameSquare - Giochi | |

1.8 RequestGame

| | |
|----------------|-------------------|
| Nome | TC_2.8_1 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Errore |
| Output Sistema | Errore |
| Esito | Corretto |
| Numero Prove | 3 |
| Categoria | |

| | | | |
|---|--------------|--------------------------------------|---|
| Executing | | | |
| TC_2.8_1 | | | |
| http://localhost:8080/GameSquare/pagina-richieste.jsp | | | |
| | Command | Target | Value |
| 1 | open | http://localhost:8080/GameSquare/ | |
| 2 | click | linkText=Aggiungi Gioco | |
| 3 | type | id=publisher | Mason Lindroth |
| 4 | click | id=game_year | |
| 5 | select | id=game_year | label=2015 |
| 6 | click | id=game_genre | |
| 7 | select | id=game_genre | label=RPG |
| 8 | click | id=gamereq_source | |
| 9 | type | id=gamereq_source | https://en.wikipedia.org/wiki/Hylics_(video_game) |
| 10 | click | id=buttonrequest | |
| 11 | assert title | GameSquare - Richiedi un nuovo gioco | |

| | |
|----------------|-------------------|
| Nome | TC_2.8_2 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Errore |
| Output Sistema | Errore |
| Esito | Corretto |
| Numero Prove | 3 |
| Categoria | |

| Executing - | | TC_2.8_2 | http://localhost:8080/GameSquare/pagina-richieste.jsp |
|-------------|--------------|--------------------------------------|---|
| | Command | Target | Value |
| 1. | open | http://localhost:8080/GameSquare/ | |
| 2. | click | linkText=Aggiungi Gioco | |
| 3. | type | id=gamereq_title | Hylics |
| 4. | click | id=game_year | |
| 5. | select | id=game_year | label=2015 |
| 6. | click | id=game_genre | |
| 7. | select | id=game_genre | label=RPG |
| 8. | click | id=gamereq_source | |
| 9. | type | id=gamereq_source | https://en.wikipedia.org/wiki/Hylics_(video_game) |
| 10. | click | id=buttonrequest | |
| 11. | assert title | GameSquare - Richiedi un nuovo gioco | |

| | |
|----------------|-------------------|
| Nome | TC_2.8_4 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Errore |
| Output Sistema | Errore |
| Esito | Corretto |
| Numero Prove | 3 |
| Categoria | |

| | | | |
|-----------|----------------------------------|--------------------------------------|-----------------------------|
| Executing | TC_2_8_3* | | |
| | http://localhost:8080/GameSquare | | |
| | Command | Target | Value |
| 1. | open | http://localhost:8080/GameSquare/ | |
| 2. | click | linkText=Aggiungi Gioco | |
| 3. | type | id=gamereq_title | Hyllys |
| 4. | type | id=publisher | Mason Lindroth |
| 5. | click | id=game_year | |
| 6. | select | id=game_year | label=2015 |
| 7. | click | id=game_genre | |
| 8. | select | id=game_genre | label=RPG |
| 9. | type | id=gamereq_source | Fonte di dubbia provenienza |
| 10. | click | id=buttonrequest | |
| 11. | assert title | GameSquare - Richiedi un nuovo gioco | |

| | |
|----------------|-------------------|
| Nome | TC_2.8_5 |
| Data | 13/06/2021 |
| Tester | Cosimo Botticelli |
| Output Atteso | Successo |
| Output Sistema | Successo |
| Esito | Corretto |
| Numero Prove | 3 |
| Categoria | |

| Executing | | TC_2.8_5 | | http://localhost:8080/GameSquare/pagina-richieste.jsp |
|------------------|--|---|--|---|
| Command | Target | Value | | |
| 1. open | http://localhost:8080/GameSquare/ | | | |
| 2. click | linkText=Aggiungi Gioco | | | |
| 3. type | id=gamereq_title | Hylics | | |
| 4. type | id=publisher | Mason Lindroth | | |
| 5. click | id=game_year | | | |
| 6. select | id=game_year | label=2015 | | |
| 7. click | id=game_genre | | | |
| 8. select | id=game_genre | label=RPG | | |
| 9. type | id=gamereq_source | https://en.wikipedia.org/wiki/hylycs_(video_game) | | |
| 10. click | id=buttonrequest | | | |
| 11. open | http://localhost:8080/GameSquare/FindAll | | | |
| 12. pause | 4000 | | | |
| 13. assert title | GameSquare - Giochi | | | |

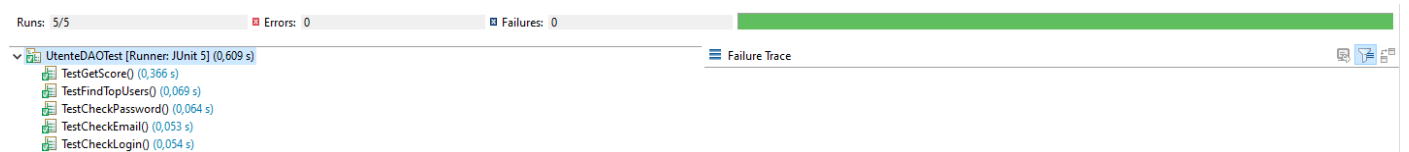
2. Unit Testing

2.1 Risultati di JUnit per le classi DAO

Di seguito sono riportati i risultati dei test di unità per le classi DAO implementate per ciascun package. In nessuna classe sono stati riscontrati errori e/o failure.

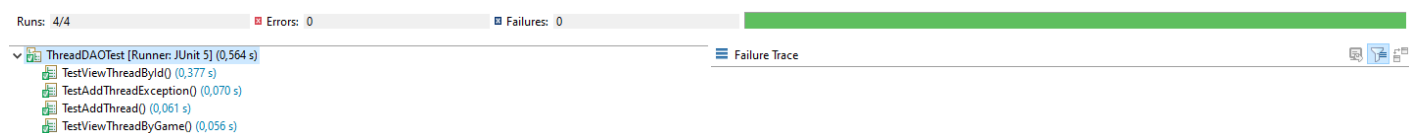
2.1.1 Package UserManager

2.1.1.1 Classe UtenteDAO



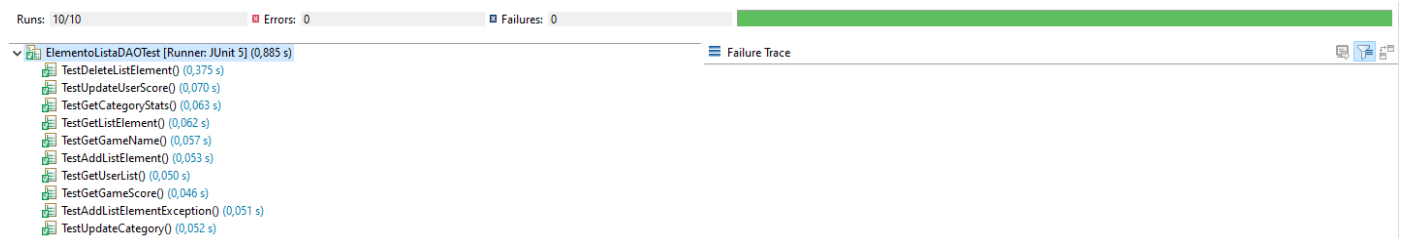
2.1.2 Package ThreadManager

2.1.2.1 Classe ThreadDAO



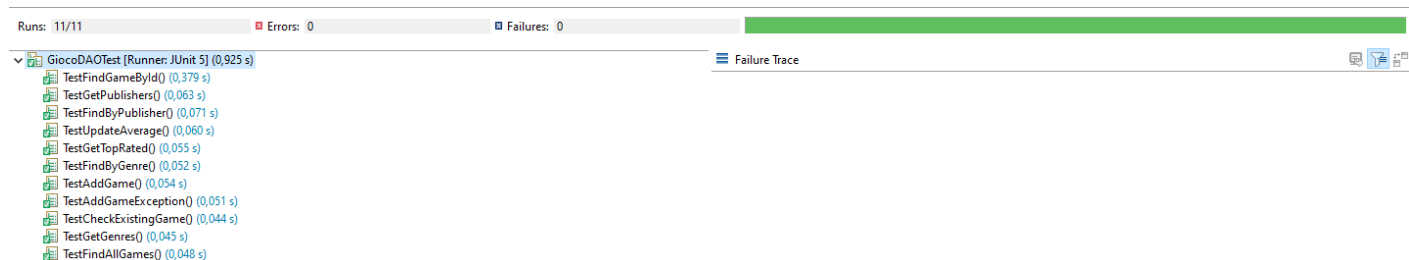
2.1.3 Package ListManager

2.1.3.1 Classe ElementoListaDAO



2.1.4 Package GameManager

2.1.4.1 Classe GiocoDAO



2.1.4.2 Classe RichiestaGiocoDAO

| | | |
|---|-----------|---------------|
| Runs: 5/5 | Errors: 0 | Failures: 0 |
| RichiestaGiocoDAOTest [Runner: JUnit 5] (0,639 s) | | Failure Trace |
| TestAddGameRequest() (0,388 s) | | |
| TestViewRequestById() (0,070 s) | | |
| TestGetAllRequests() (0,062 s) | | |
| TestAddGameRequestException() (0,063 s) | | |
| TestDeleteGameRequest() (0,055 s) | | |

2.1.4.3 Classe VotoDAO

| | | |
|---|-----------|---------------|
| Runs: 7/7 | Errors: 0 | Failures: 0 |
| VotoDAOTest [Runner: JUnit 5] (0,736 s) | | Failure Trace |
| TestUpdateVote() (0,378 s) | | |
| TestAddVoteException() (0,072 s) | | |
| TestUpdateSameVote() (0,061 s) | | |
| TestCalculateAverage() (0,057 s) | | |
| TestDeleteVote() (0,056 s) | | |
| TestAddVote() (0,051 s) | | |
| TestGetVote() (0,055 s) | | |

2.2 Risultati di Mockito per le Servlet

Di seguito sono riportati i risultati dei test di unità per le servlet, utilizzando Mockito. In nessuna servlet testata sono stati riscontrati errori e/o failure.

2.2.1 Package UserManager

2.2.1.1 UserLogin

| | | |
|---|-----------|---------------|
| Runs: 4/4 | Errors: 0 | Failures: 0 |
| UserLoginTest [Runner: JUnit 5] (0,565 s) | | Failure Trace |
| testCase_10 (0,387 s) | | |
| testCase_20 (0,073 s) | | |
| testCase_30 (0,059 s) | | |
| testCase_40 (0,045 s) | | |

2.2.2 Package ThreadManager

2.2.2.1 CreateThread

| | | |
|--|-----------|---------------|
| Runs: 4/4 | Errors: 0 | Failures: 0 |
| CreateThreadTest [Runner: JUnit 5] (0,563 s) | | Failure Trace |
| testCase_10 (0,379 s) | | |
| testCase_20 (0,077 s) | | |
| testCase_30 (0,068 s) | | |
| testCase_40 (0,038 s) | | |

2.2.2.2 ViewThreadServlet

| | | |
|--|-----------|---------------|
| Runs: 3/3 | Errors: 0 | Failures: 0 |
| ViewThreadTest [Runner: JUnit 5] (0,501 s) | | Failure Trace |
| testCase_10 (0,388 s) | | |
| testCase_20 (0,070 s) | | |
| testCase_30 (0,042 s) | | |

2.2.3 Package ListManager

2.2.3.1 AddToListServlet

| | | |
|--|-----------|---------------|
| Runs: 7/7 | Errors: 0 | Failures: 0 |
| AddToListServletTest [Runner: JUnit 5] (0,742 s) | | Failure Trace |
| testCase_1_10 (0,385 s) | | |
| testCase_1_20 (0,070 s) | | |
| testCase_1_30 (0,066 s) | | |
| testCase_1_40 (0,061 s) | | |
| testCase_1_50 (0,061 s) | | |
| testCase_20 (0,062 s) | | |
| testCase_30 (0,032 s) | | |

2.2.3.2 ChangeCategoryServlet

| | | | |
|--|-----------|-------------|--|
| Runs: 4/4 | Errors: 0 | Failures: 0 | |
| ▼ ChangeCategoryServletTest [Runner: JUnit 5] (0,563 s) | | | |
| testCase_1_10 (0,387 s) | | | |
| testCase_2_10 (0,046 s) | | | |
| testCase_20 (0,090 s) | | | |
| testCase_30 (0,037 s) | | | |

2.2.3.3 DeleteFromListServlet

| | | | |
|--|-----------|-------------|--|
| Runs: 3/3 | Errors: 0 | Failures: 0 | |
| ▼ DeleteFromListServletTest [Runner: JUnit 5] (0,503 s) | | | |
| testCase_10 (0,388 s) | | | |
| testCase_20 (0,069 s) | | | |
| testCase_30 (0,044 s) | | | |

2.2.4 Package GameManager

2.2.4.1 AddGame

| | | | |
|--|-----------|-------------|--|
| Runs: 5/5 | Errors: 0 | Failures: 0 | |
| ▼ AddGameTest [Runner: JUnit 5] (0,644 s) | | | |
| testCase_1_10 (0,392 s) | | | |
| testCase_1_20 (0,071 s) | | | |
| testCase_2_10 (0,067 s) | | | |
| testCase_10 (0,065 s) | | | |
| testCase_20 (0,047 s) | | | |

2.2.4.2 Ricerca

| | | | |
|--|-----------|-------------|--|
| Runs: 4/4 | Errors: 0 | Failures: 0 | |
| ▼ RicercaTest [Runner: JUnit 5] (0,578 s) | | | |
| testCase_1_20 (0,390 s) | | | |
| testCase_10 (0,066 s) | | | |
| testCase_20 (0,066 s) | | | |
| testCase_30 (0,054 s) | | | |

2.2.4.3 GamePageServlet

| | | | |
|---|-----------|-------------|--|
| Runs: 4/4 | Errors: 0 | Failures: 0 | |
| ▼ GamePageTest [Runner: JUnit 5] (0,564 s) | | | |
| testCase_10 (0,386 s) | | | |
| testCase_20 (0,069 s) | | | |
| testCase_30 (0,044 s) | | | |
| testCase_40 (0,062 s) | | | |

2.2.4.4 AddVoteServlet

| | | | |
|---|-----------|-------------|--|
| Runs: 6/6 | Errors: 0 | Failures: 0 | |
| ▼ AddVoteServletTest [Runner: JUnit 5] (0,689 s) | | | |
| testCase_1_10 (0,397 s) | | | |
| testCase_1_20 (0,079 s) | | | |
| testCase_1_30 (0,064 s) | | | |
| testCase_2_10 (0,041 s) | | | |
| testCase_20 (0,070 s) | | | |
| testCase_30 (0,036 s) | | | |

2.2.4.5 DeleteVoteServlet

| | | | |
|--|-----------|-------------|--|
| Runs: 4/4 | Errors: 0 | Failures: 0 | |
| ▼ DeleteVoteServletTest [Runner: JUnit 5] (0,573 s) | | | |
| testCase_1_10 (0,398 s) | | | |
| testCase_10 (0,073 s) | | | |
| testCase_20 (0,059 s) | | | |
| testCase_30 (0,041 s) | | | |

2.2.4.6 CreateGameReq

| | | | |
|--|-----------|-------------|--|
| Runs: 3/3 | Errors: 0 | Failures: 0 | |
| ▼ CreateGameReqTest [Runner: JUnit 5] (0,526 s) | | | |
| testCase_10 (0,378 s) | | | |
| testCase_20 (0,088 s) | | | |
| testCase_30 (0,058 s) | | | |

2.2.4.7 AcceptRequestServlet

| | | | |
|---|-----------|-------------|--|
| Runs: 3/3 | Errors: 0 | Failures: 0 | |
| ▼ AcceptRequestServletTest [Runner: JUnit 5] (0,581 s) | | | |
| testCase_1_20 (0,407 s) | | | |
| testCase_10 (0,120 s) | | | |
| testCase_20 (0,053 s) | | | |

2.2.4.8 RefuseRequestServlet

Runs: 3/3 Errors: 0 Failures: 0

RefuseRequestServletTest [Runner: JUnit 5] (0,498 s)

- testCase_1_20 (0,384 s)
- testCase_10 (0,075 s)
- testCase_20 (0,037 s)

Failure Trace

2.3 Coverage

2.3.1 Branch Coverage

| Element | Coverage | Covered Branches | Missed Branches | Total Branches |
|-----------------------------|----------|------------------|-----------------|----------------|
| GameSquare | 80,7 % | 239 | 57 | 296 |
| src | 80,7 % | 239 | 57 | 296 |
| test | 75,0 % | 6 | 2 | 8 |
| util | 62,5 % | 5 | 3 | 8 |
| threadManager | 75,0 % | 15 | 5 | 20 |
| GameThread.java | | 0 | 0 | 0 |
| ViewThreadServlet.java | 100,0 % | 2 | 0 | 2 |
| CreateThread.java | 50,0 % | 1 | 1 | 2 |
| ThreadDAO.java | 75,0 % | 12 | 4 | 16 |
| userManager | 80,6 % | 29 | 7 | 36 |
| UserLogout.java | | 0 | 0 | 0 |
| Utente.java | | 0 | 0 | 0 |
| UserLogin.java | 87,5 % | 7 | 1 | 8 |
| UtenteDAO.java | 78,6 % | 22 | 6 | 28 |
| listManager | 82,9 % | 63 | 13 | 76 |
| ChangeCategoryServlet.java | 100,0 % | 2 | 0 | 2 |
| ElementoLista.java | | 0 | 0 | 0 |
| ScoreHelper.java | 100,0 % | 8 | 0 | 8 |
| AddToListServlet.java | 50,0 % | 1 | 1 | 2 |
| DeleteFromListServlet.java | 66,7 % | 4 | 2 | 6 |
| ElementoListaDAO.java | 82,8 % | 48 | 10 | 58 |
| gameManager | 81,8 % | 121 | 27 | 148 |
| AddGame.java | 100,0 % | 2 | 0 | 2 |
| AddVoteServlet.java | 100,0 % | 2 | 0 | 2 |
| FindAllServlet.java | | 0 | 0 | 0 |
| FindByGenreServlet.java | | 0 | 0 | 0 |
| FindByPublisherServlet.java | | 0 | 0 | 0 |
| GamePageServlet.java | 100,0 % | 2 | 0 | 2 |
| Gioco.java | | 0 | 0 | 0 |
| Ricerca.java | 100,0 % | 14 | 0 | 14 |
| RichiestaGioco.java | | 0 | 0 | 0 |
| Voto.java | | 0 | 0 | 0 |
| AcceptRequestServlet.java | 75,0 % | 3 | 1 | 4 |
| CreateGameReq.java | 50,0 % | 1 | 1 | 2 |
| DeleteVoteServlet.java | 75,0 % | 3 | 1 | 4 |
| RefuseRequestServlet.java | 75,0 % | 3 | 1 | 4 |
| RichiestaGiocoDAO.java | 75,0 % | 15 | 5 | 20 |
| VotoDAO.java | 83,3 % | 35 | 7 | 42 |
| GiocoDAO.java | 78,8 % | 41 | 11 | 52 |

2.3.2 Instruction Coverage

| Element | Coverage | Covered Instructio... | Missed Instructions | Total Instructions |
|--------------------------------|----------|-----------------------|---------------------|--------------------|
| ▼ GameSquare | 90,2 % | 7.444 | 812 | 8.256 |
| ▼ src | 90,2 % | 7.444 | 812 | 8.256 |
| ▼ listManager | 98,8 % | 918 | 11 | 929 |
| > AddToListServlet.java | 100,0 % | 135 | 0 | 135 |
| > ChangeCategoryServlet.java | 100,0 % | 141 | 0 | 141 |
| > ElementoLista.java | 100,0 % | 36 | 0 | 36 |
| > ElementoListaDAO.java | 99,8 % | 445 | 1 | 446 |
| > ScoreHelper.java | 92,9 % | 39 | 3 | 42 |
| > DeleteFromListServlet.java | 94,6 % | 122 | 7 | 129 |
| ▼ threadManager | 95,5 % | 471 | 22 | 493 |
| > CreateThread.java | 100,0 % | 141 | 0 | 141 |
| > ThreadDAO.java | 99,6 % | 229 | 1 | 230 |
| > ViewThreadServlet.java | 95,2 % | 59 | 3 | 62 |
| > GameThread.java | 70,0 % | 42 | 18 | 60 |
| > util | 68,8 % | 64 | 29 | 93 |
| ▼ userManager | 76,9 % | 406 | 122 | 528 |
| > UserLogin.java | 100,0 % | 121 | 0 | 121 |
| > UserLogout.java | 0,0 % | 0 | 38 | 38 |
| > UtenteDAO.java | 86,8 % | 256 | 39 | 295 |
| > Utente.java | 39,2 % | 29 | 45 | 74 |
| ▼ gameManager | 92,0 % | 2.393 | 207 | 2.600 |
| > AddGame.java | 100,0 % | 133 | 0 | 133 |
| > AddVoteServlet.java | 100,0 % | 133 | 0 | 133 |
| > GamePageServlet.java | 100,0 % | 75 | 0 | 75 |
| > RichiestaGioco.java | 100,0 % | 73 | 0 | 73 |
| > Voto.java | 100,0 % | 36 | 0 | 36 |
| > GiocoDAO.java | 99,9 % | 729 | 1 | 730 |
| > RichiestaGiocoDAO.java | 99,6 % | 263 | 1 | 264 |
| > VotoDAO.java | 99,7 % | 318 | 1 | 319 |
| > AcceptRequestServlet.java | 96,9 % | 94 | 3 | 97 |
| > Gioco.java | 97,8 % | 132 | 3 | 135 |
| > RefuseRequestServlet.java | 90,6 % | 58 | 6 | 64 |
| > Ricerca.java | 94,6 % | 157 | 9 | 166 |
| > DeleteVoteServlet.java | 90,1 % | 91 | 10 | 101 |
| > CreateGameReq.java | 88,6 % | 101 | 13 | 114 |
| > FindAllServlet.java | 0,0 % | 0 | 46 | 46 |
| > FindByGenreServlet.java | 0,0 % | 0 | 57 | 57 |
| > FindByPublisherServlet.java | 0,0 % | 0 | 57 | 57 |
| > test | 88,3 % | 3.192 | 421 | 3.613 |