技能交換平台

測試文件

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| 專案名稱 | Exchange |
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**版次變更記錄**

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| **版次** | **變更項目** | **變更日期** |
| 1.0 | 初版 | 2016/12/31 |
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1. **測試目的與接受準則(**Objectives and Acceptance Criteria)
   1. 系統範圍(System Scope)

本系統以技能交換為主軸，有別於以往同類型網站條列式呈現技能的方式，本系統使用自動配對功能隨機配對彼此的技能，使用者可以不必侷限於自己腦海中的技能，透過隨機配對功能在不預設立場的情況下挑選自己有興趣的技能。我們的系統採用自行設計的配對演算法，參考使用者的興趣以及其他因素來鎖定隨機挑選的範圍。本系統將系統分為登入模組、首頁模組、帳戶模組、配對模組、技能模組、交流模組、評價模組、資料庫模組、聊天模組等九大模組。目前已完成各模組實作並設計對應之單元測試與系統測試之設計案例，整合部分僅剩聊天模組未完成整合，以及帳戶模組與評價模組存在小錯誤(Bug)。

* 1. 測試接受準則(Test Acceptance Criteria)

本測試計劃需要滿足下面的測試接受準則：

1. 測試程序需要依照本測試計劃所訂定的程序進行，所有測試結果需要能符合預期測試結果方能接受。
2. 以測試案例為單位，當測試未通過時，需要進行該單元的測試，其接受的準則如第一項中所規定的相同。
3. 測試環境(Testing Environment)
   1. 硬體需求(Hardware Specification and Configuration)

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| --- | --- | --- | --- | --- |
| **項次** | **名 稱** | **數量** | **規 格** | **備 註** |
| 1 | 伺服器 | 1 | Msi GE602O1 | client |
| 2 | 電腦 | 1 | 能上網之電腦 | server |
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* 1. 軟體需求(Software Specification and Configuration)

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| --- | --- | --- | --- | --- |
| **項次** | **名 稱** | **數量** | **規 格** | **備 註** |
| 1 | 瀏覽器 | 1 | Chrome | client |
| 2 | 資料庫軟體 | 1 | mySQL | Server |
|  |  |  |  |  |

* 1. 測試資料來源(Test Data Sources)

本測試計畫的測試資料來源可分成下面的資料來源：

1. 自行建立測試用之註冊會員基本資料
2. 自行建立測試用之興趣技能與技能
3. 自行建立測試用之技能交流關係
   1. 測試工具與設備(Tools and Equipments)

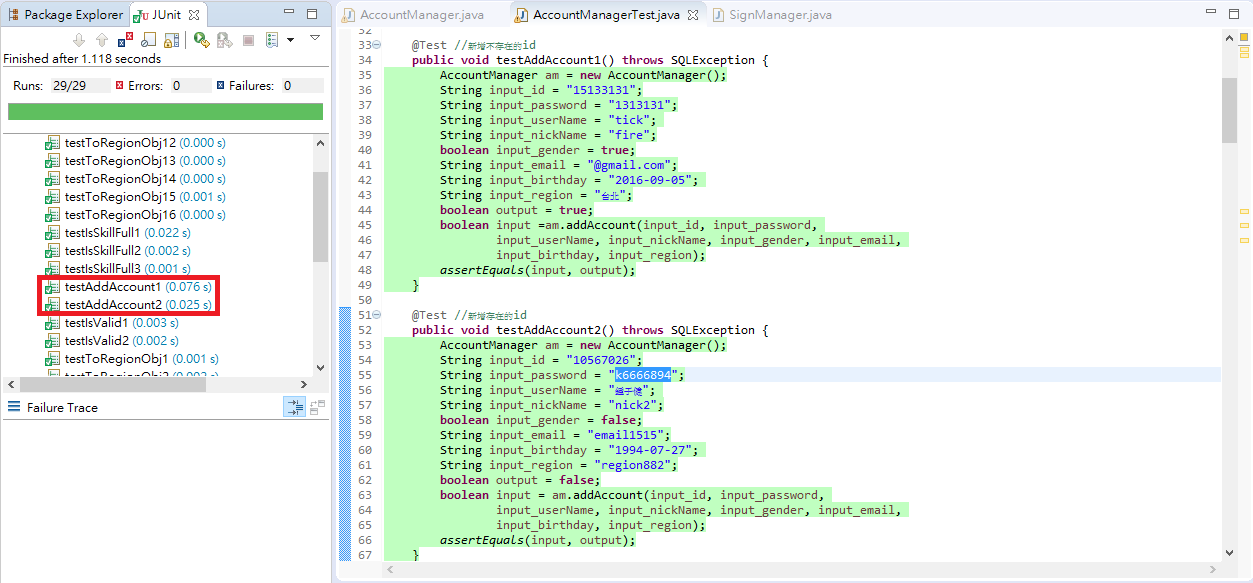
本測試計劃分為單元測試以及系統測試。單元測試的執行使用Junit進行，並事先進行分析所需的測試案例，其包含測試輸入、預測輸出、實際輸出。系統測試的執行採用使用者直接操作的測試方式，預先進行分析所需的測試案例，其包含操作流程、預期結果、實際結果。單元測試與系統測試的準備與結果皆使用Microsoft Office Word撰寫成測試文件。

1. 測試案例(Test Cases)
   1. 單元測試(Unit Test)

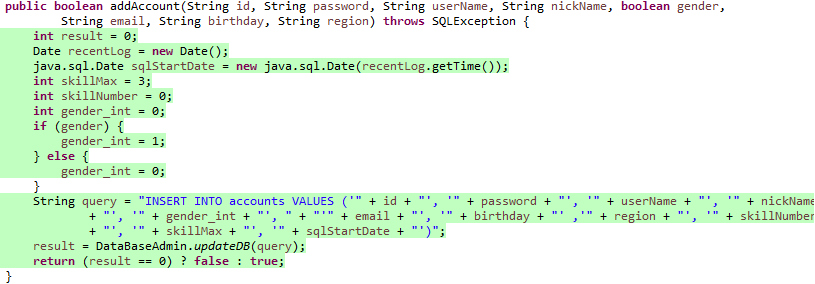
* 帳戶模組單元測試
* AccountManager.addAccount()

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| --- | --- |
| **Test Case 1** | |
| Test Case Id | JUT-001 |
| Test Function Name | testAddAccount1() |
| Test proposal | 嘗試建立不存在資料庫的帳號資料 |
| Input | input\_id = "15133131"  input\_password = "1313131”  input\_userName = "tick"  input\_nickName = "fire"  input\_gender = true(男性)  input\_email = "@gmail.com"  input\_birthday = "2016-09-05"  input\_region = "台北" |
| Expected Output | 建立成功，回傳true值 |
| Real Output | 回傳true值 |
| Test Result | Pass |

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| **Test Case 2** | |
| Test Case Id | JUT-002 |
| Test Function Name | testAddAccount2() |
| Test proposal | 嘗試建立已存在資料庫的帳號資料 |
| Input | input\_id = "10567026"  input\_password = "k6666894"  input\_userName = "Serena"  input\_nickName = "nick2"  input\_gender = false(女性)  input\_email = "email1515"  input\_birthday = "1994-07-27";  input\_region = "region882" |
| Expected Output | 建立失敗，回傳false值 |
| Real Output | 回傳false值 |
| Test Result | Pass |



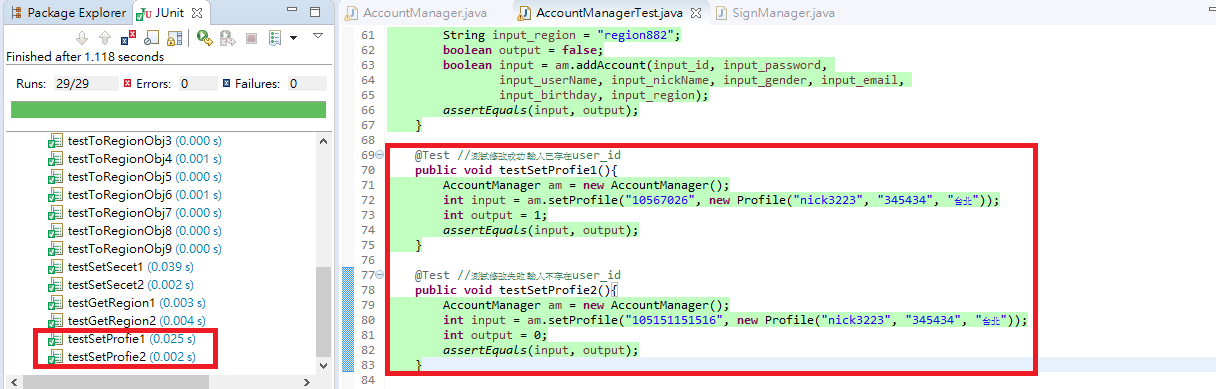
addAccount() Code



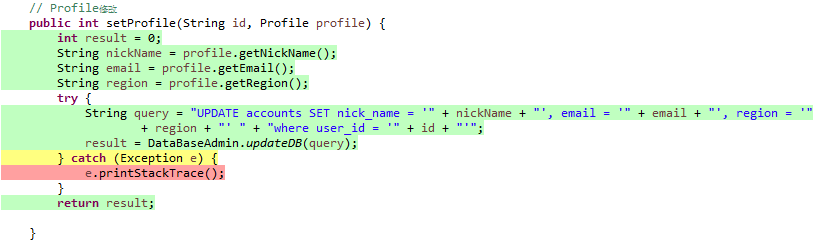
* AccountManager.setProfie()

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| **Test Case 1** | |
| Test Case Id | JUT-003 |
| Test Function Name | testSetProfie1() |
| Test proposal | 嘗試修改已存在資料庫帳號的個人資料 |
| Input | input\_id = "10567026"  input\_nickName = "nick3223" input\_email = "345434"  input\_region = "台北" |
| Expected Output | 修改成功，回傳true值 |
| Real Output | 回傳true值 |
| Test Result | Pass |

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| **Test Case 2** | |
| Test Case Id | JUT-004 |
| Test Function Name | testSetProfie2() |
| Test proposal | 嘗試修改不存在資料庫帳號的個人資料 |
| Input | input\_id = "105151151516"  input\_nickName = "nick3223" input\_email = "345434"  input\_region = "台北" |
| Expected Output | 修改失敗，回傳false值 |
| Real Output | 回傳false值 |
| Test Result | Pass |



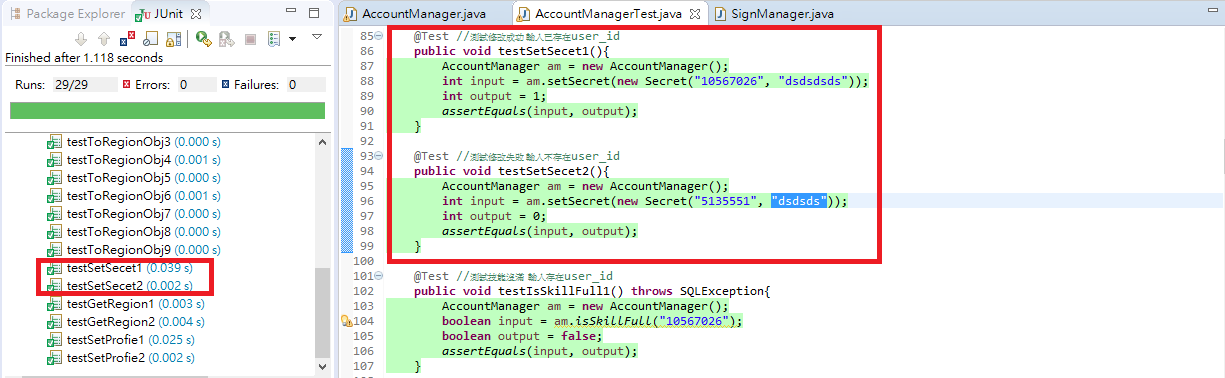
setProfie() Code



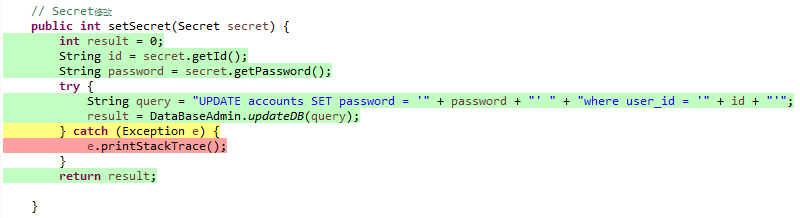
* AccountManager.setSecret()

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| **Test Case 1** | |
| Test Case Id | JUT-005 |
| Test Function Name | testSetSecret1() |
| Test proposal | 嘗試修改已存在資料庫帳號的密碼 |
| Input | input\_id = "10567026"  input\_password = “dsdsdsds” |
| Expected Output | 修改成功，回傳true值 |
| Real Output | 回傳true值 |
| Test Result | Pass |

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| **Test Case 2** | |
| Test Case Id | JUT-006 |
| Test Function Name | testSetSecret2() |
| Test proposal | 嘗試修改不存在資料庫帳號的密碼 |
| Input | input\_id = "5135551"  input\_password = "dsdsds" |
| Expected Output | 修改失敗，回傳false值 |
| Real Output | 回傳false值 |
| Test Result | Pass |



setSecret() Code

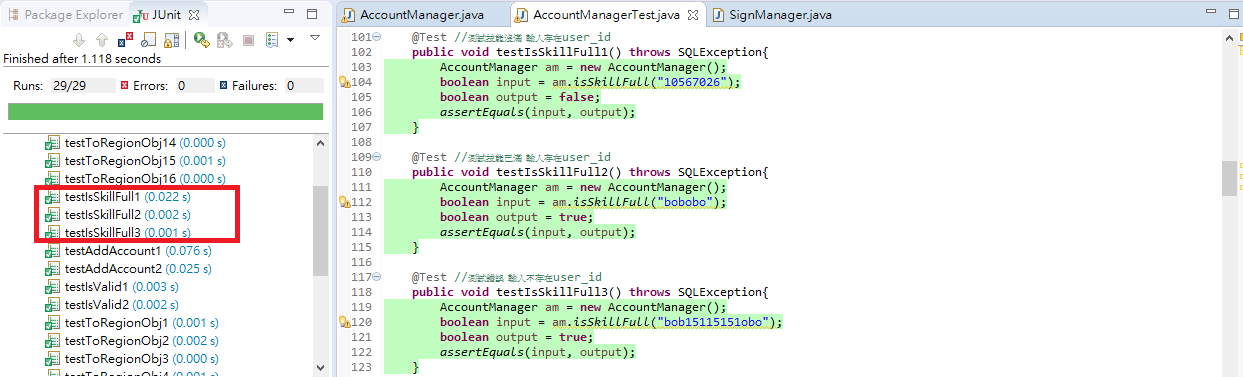


* AccountManager.isSkillFull()

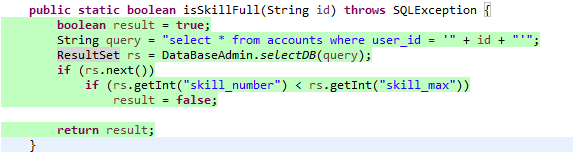
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| **Test Case 1** | |
| Test Case Id | JUT-007 |
| Test Function Name | testIsSkillFull1() |
| Test proposal | 確認已存在資料庫帳號技能數量尚未達到上限 |
| Input | input\_id = "10567026" |
| Expected Output | 確認技能數尚未達到上限，回傳false值 |
| Real Output | 回傳false值 |
| Test Result | Pass |

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| **Test Case 2** | |
| Test Case Id | JUT-008 |
| Test Function Name | testIsSkillFull2() |
| Test proposal | 確認已存在資料庫帳號技能達到上限 |
| Input | input\_id = "bobobo" |
| Expected Output | 確認技能數達到上限，回傳true值 |
| Real Output | 回傳true值 |
| Test Result | Pass |

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| **Test Case 3** | |
| Test Case Id | JUT-009 |
| Test Function Name | testIsSkillFull3() |
| Test proposal | 確認不存在資料庫帳號技能沒達到上限 |
| Input | input\_id = "bob15115151obo" |
| Expected Output | 帳號不存在，回傳true值 |
| Real Output | 回傳true值 |
| Test Result | Pass |



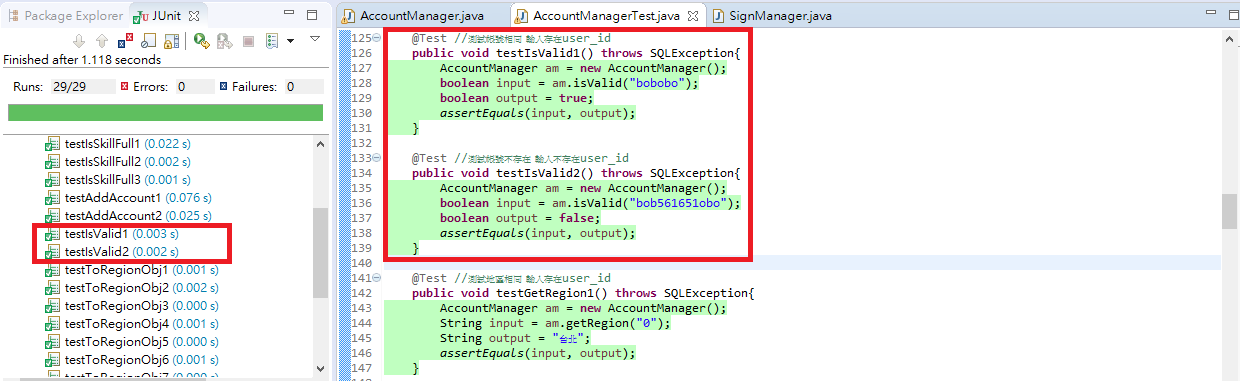
isSkillFull() Code



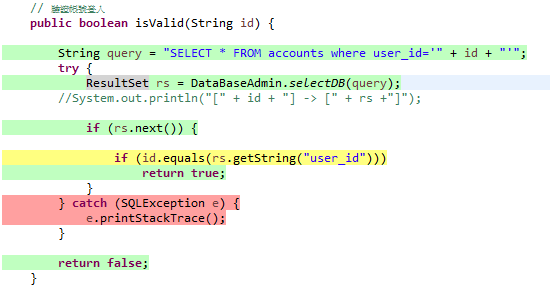
* AccountManager.isValid()

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| **Test Case 1** | |
| Test Case Id | JUT-010 |
| Test Function Name | testIsValid1() |
| Test proposal | 驗證登入輸入的帳號在資料庫內存在 |
| Input | input\_id = "bobobo" |
| Expected Output | 確認技能數達到上限，回傳true值 |
| Real Output | 回傳true值 |
| Test Result | Pass |

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| **Test Case 2** | |
| Test Case Id | JUT-011 |
| Test Function Name | testIsValid2() |
| Test proposal | 驗證登入輸入的帳號在資料庫內不存在 |
| Input | input\_id = "bob561651obo" |
| Expected Output | 確認技能數達到上限，回傳false值 |
| Real Output | 回傳false值 |
| Test Result | Pass |



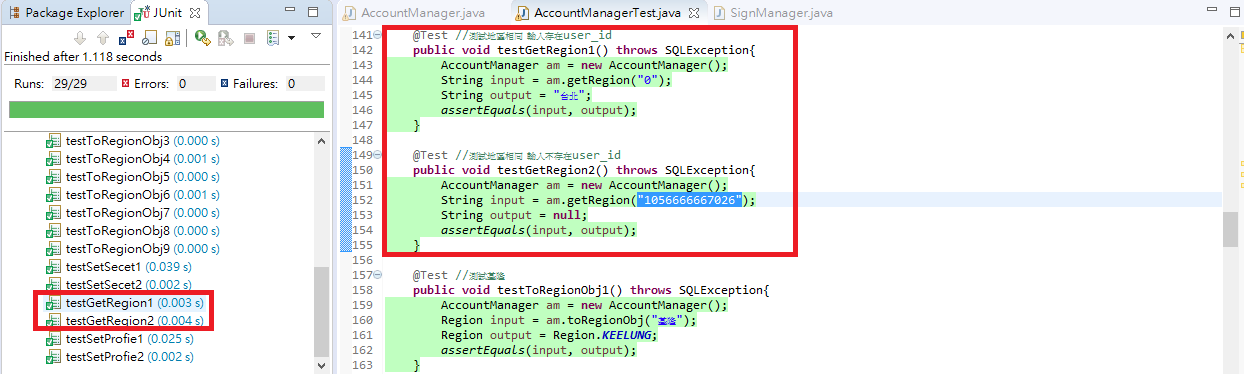
isValid() Code

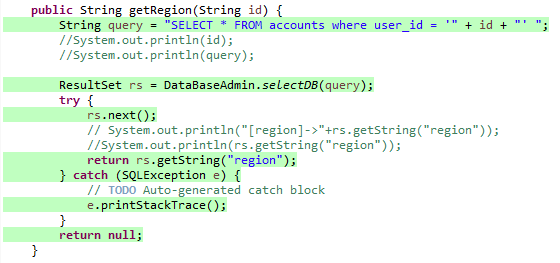


* AccountManager.getRegion()

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| **Test Case 1** | |
| Test Case Id | JUT-012 |
| Test Function Name | testGetRegion1() |
| Test proposal | 測試從資料庫得到的地區資料正確 |
| Input | input\_id = "0" |
| Expected Output | “台北” |
| Real Output | “台北” |
| Test Result | Pass |

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| **Test Case 2** | |
| Test Case Id | JUT-013 |
| Test Function Name | testGetRegion2() |
| Test proposal | 測試從資料庫得到的地區資料不存在 |
| Input | input\_id = "1056666667026" |
| Expected Output | null |
| Real Output | null |
| Test Result | Pass |





* AccountManager.toRegionObj()

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| **Test Case 1** | |
| Test Case Id | JUT-014 |
| Test Function Name | testToRegionObj1() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “基隆” |
| Expected Output | Region.KEELUNG |
| Real Output | Region.KEELUNG |
| Test Result | Pass |

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| **Test Case 2** | |
| Test Case Id | JUT-015 |
| Test Function Name | testToRegionObj2() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “台北” |
| Expected Output | Region.TAIPEI |
| Real Output | Region.TAIPEI |
| Test Result | Pass |

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| --- | --- |
| **Test Case 3** | |
| Test Case Id | JUT-016 |
| Test Function Name | testToRegionObj3() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “桃園” |
| Expected Output | Region.TAOYUAN |
| Real Output | Region.TAOYUAN |
| Test Result | Pass |

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| **Test Case 4** | |
| Test Case Id | JUT-017 |
| Test Function Name | testToRegionObj4() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “新竹” |
| Expected Output | Region.HSINCHU |
| Real Output | Region.HSINCHU |
| Test Result | Pass |

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| **Test Case 5** | |
| Test Case Id | JUT-018 |
| Test Function Name | testToRegionObj5() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “苗栗” |
| Expected Output | Region.MIAOLI |
| Real Output | Region.MIAOLI |
| Test Result | Pass |

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| **Test Case 6** | |
| Test Case Id | JUT-019 |
| Test Function Name | testToRegionObj6() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “台中” |
| Expected Output | Region.TAICHUNG |
| Real Output | Region.TAICHUNG |
| Test Result | Pass |

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| **Test Case 7** | |
| Test Case Id | JUT-020 |
| Test Function Name | testToRegionObj7() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “彰化” |
| Expected Output | Region.CHANGHUA |
| Real Output | Region.CHANGHUA |
| Test Result | Pass |

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| **Test Case 8** | |
| Test Case Id | JUT-021 |
| Test Function Name | testToRegionObj8() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “南投” |
| Expected Output | Region.NANTOU |
| Real Output | Region.NANTOU |
| Test Result | Pass |

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| **Test Case 9** | |
| Test Case Id | JUT-022 |
| Test Function Name | testToRegionObj9() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “雲林” |
| Expected Output | Region.YUNLIN |
| Real Output | Region.YUNLIN |
| Test Result | Pass |

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| **Test Case 10** | |
| Test Case Id | JUT-023 |
| Test Function Name | testToRegionObj10() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “嘉義” |
| Expected Output | Region.CHIAYI |
| Real Output | Region.CHIAYI |
| Test Result | Pass |

|  |  |
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| **Test Case 11** | |
| Test Case Id | JUT-024 |
| Test Function Name | testToRegionObj11() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “台南” |
| Expected Output | Region.TAINAN |
| Real Output | Region.TAINAN |
| Test Result | Pass |

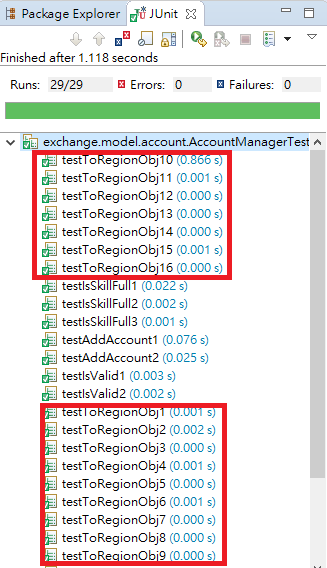
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| **Test Case 12** | |
| Test Case Id | JUT-025 |
| Test Function Name | testToRegionObj12() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “高雄” |
| Expected Output | Region.KAOHSIUNG |
| Real Output | Region.KAOHSIUNG |
| Test Result | Pass |

|  |  |
| --- | --- |
| **Test Case 13** | |
| Test Case Id | JUT-026 |
| Test Function Name | testToRegionObj13() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “屏東” |
| Expected Output | Region.PINGTUNG |
| Real Output | Region.PINGTUNG |
| Test Result | Pass |

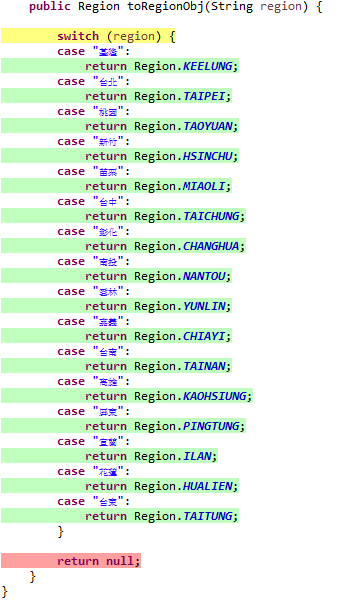
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| **Test Case 14** | |
| Test Case Id | JUT-027 |
| Test Function Name | testToRegionObj14() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “宜蘭” |
| Expected Output | Region.ILAN |
| Real Output | Region.ILAN |
| Test Result | Pass |

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| **Test Case 15** | |
| Test Case Id | JUT-028 |
| Test Function Name | testToRegionObj15() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “花蓮” |
| Expected Output | Region.HUALIEN |
| Real Output | Region.HUALIEN |
| Test Result | Pass |

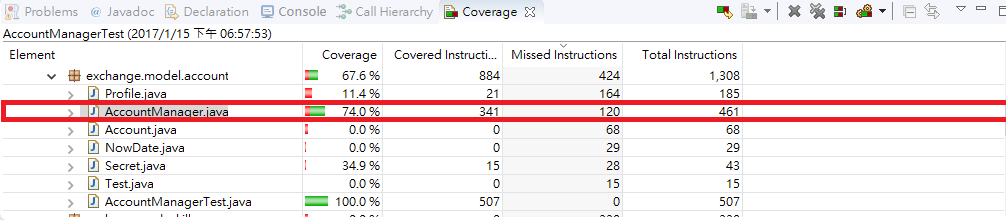
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| **Test Case 16** | |
| Test Case Id | JUT-029 |
| Test Function Name | testToRegionObj16() |
| Test proposal | 測試輸入的地區與輸出的RegionObj相同 |
| Input | “台東” |
| Expected Output | Region.TAITUNG |
| Real Output | Region.TAITUNG |
| Test Result | Pass |



toRegionObj() Code



帳戶模組覆蓋率



* 登入模組單元測試
* SignManager.check()

|  |  |
| --- | --- |
| **Test Case 1** | |
| Test Case Id | JUT-030 |
| Test Function Name | testCheck1() |
| Test proposal | 輸入已存在資料庫的帳號密碼，驗證登入 |
| Input | input\_id = “10567026”  input\_password = “dsdsdsds” |
| Expected Output | 帳號密碼存在且正確，回傳true值 |
| Real Output | 回傳true值 |
| Test Result | Pass |

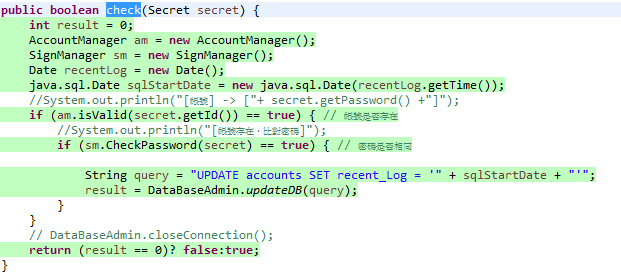
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| **Test Case 2** | |
| Test Case Id | JUT-031 |
| Test Function Name | testCheck2() |
| Test proposal | 輸入不存在資料庫的帳號與已存在資料庫的密碼，驗證無法登入 |
| Input | input\_id = “105676”  input\_password = “dsdsdsds” |
| Expected Output | 帳號不存在，回傳false值 |
| Real Output | 回傳false值 |
| Test Result | Pass |

|  |  |
| --- | --- |
| **Test Case 3** | |
| Test Case Id | JUT-032 |
| Test Function Name | testCheck3() |
| Test proposal | 輸入已存在資料庫的帳號不存在資料庫的密碼，驗證無法登入 |
| Input | input\_id = “10567026”  input\_password = “kc5674” |
| Expected Output | 帳號驗證成功，密碼不存在，回傳false值 |
| Real Output | 回傳false值 |
| Test Result | Pass |

|  |  |
| --- | --- |
| **Test Case 4** | |
| Test Case Id | JUT-033 |
| Test Function Name | testCheck4() |
| Test proposal | 輸入不存在資料庫的帳號與密碼，驗證無法登入 |
| Input | input\_id = “105026”  input\_password = “kc5674” |
| Expected Output | 帳號不存在，回傳false值 |
| Real Output | 回傳false值 |
| Test Result | Pass |



check() Code

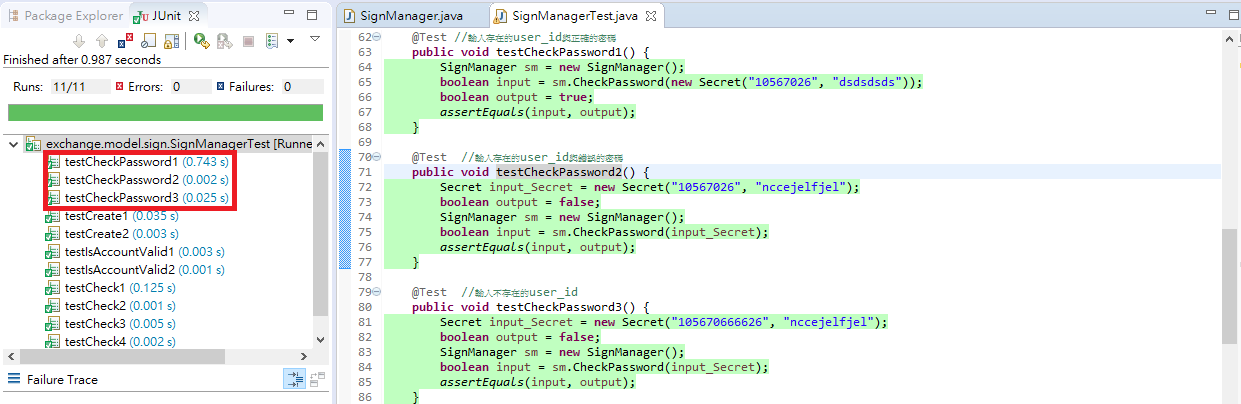


* SignManager.checkPassword()

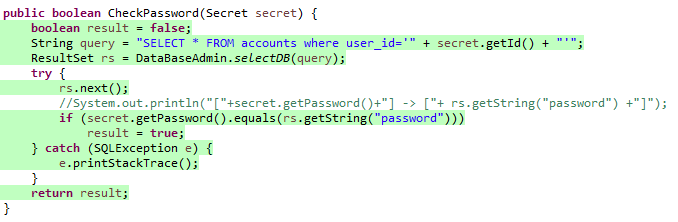
|  |  |
| --- | --- |
| **Test Case 1** | |
| Test Case Id | JUT-034 |
| Test Function Name | test CheckPassword1() |
| Test proposal | 輸入存在資料庫的帳號與密碼，確認密碼驗證正確 |
| Input | input\_id = “10567026”  input\_password = “dsdsdsds” |
| Expected Output | 密碼驗證正確，回傳true值 |
| Real Output | 回傳true值 |
| Test Result | Pass |

|  |  |
| --- | --- |
| **Test Case 2** | |
| Test Case Id | JUT-035 |
| Test Function Name | test CheckPassword2() |
| Test proposal | 輸入存在資料庫的帳號與不正確的密碼，確認密碼驗證錯誤 |
| Input | input\_id = “10567026”  input\_password = “nccejelfje1” |
| Expected Output | 密碼驗證錯誤，回傳false值 |
| Real Output | 回傳false值 |
| Test Result | Pass |

|  |  |
| --- | --- |
| **Test Case 3** | |
| Test Case Id | JUT-036 |
| Test Function Name | test CheckPassword3() |
| Test proposal | 輸入不存在資料庫的帳號，無法驗證密碼 |
| Input | input\_id = “105670666626”  input\_password = “nccejelfje1” |
| Expected Output | 無法驗證密碼，回傳false值 |
| Real Output | 回傳false值 |
| Test Result | Pass |



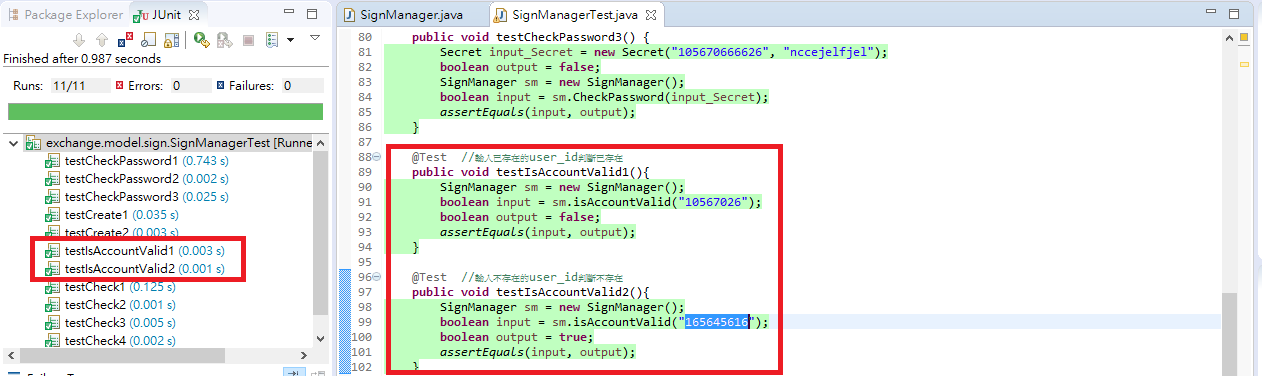
CheckPassword() Code



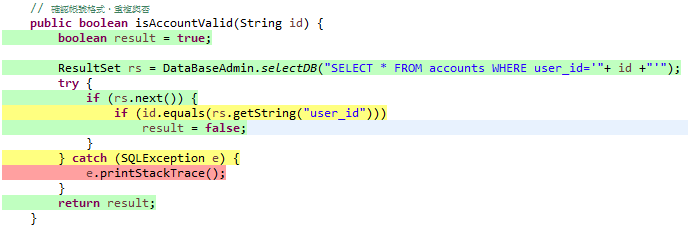
* SignManager.isAccountValid()

|  |  |
| --- | --- |
| **Test Case 1** | |
| Test Case Id | JUT-037 |
| Test Function Name | testisAccountValid1() |
| Test proposal | 輸入已存在資料庫的帳號註冊，驗證帳號已存在，無法註冊 |
| Input | input\_id = “10567026” |
| Expected Output | 帳號已存在，無法註冊，回傳false值 |
| Real Output | 回傳false值 |
| Test Result | Pass |

|  |  |
| --- | --- |
| **Test Case 2** | |
| Test Case Id | JUT-038 |
| Test Function Name | testisAccountValid2() |
| Test proposal | 輸入不存在資料庫的帳號註冊，驗證帳號不存在，可以註冊 |
| Input | input\_id = “165645616” |
| Expected Output | 帳號尚未存在，可以註冊，回傳true值 |
| Real Output | 回傳true值 |
| Test Result | Pass |



isAccountValid() Code

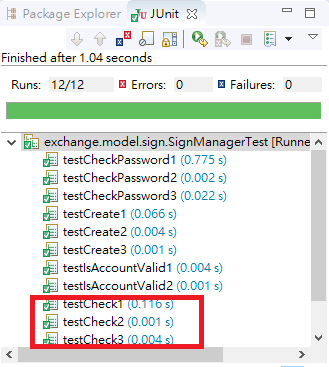


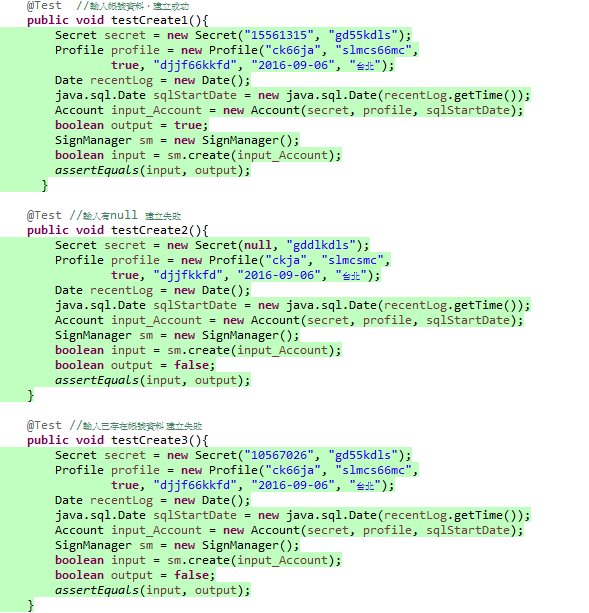
* SignManager.create()

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| --- | --- |
| **Test Case 1** | |
| Test Case Id | JUT-039 |
| Test Function Name | test Create1() |
| Test proposal | 輸入不存在資料庫的帳號資料，測試註冊成功 |
| Input | input\_id = "15561315"  input\_password = "gd55kdls"  input\_userName = "ck66ja"  input\_nickName = " slmcs66mc "  input\_gender = true(男性)  input\_email = "djjf66kkfd"  input\_birthday = "2016-09-06";  input\_region = "台北" |
| Expected Output | 註冊成功，回傳true值 |
| Real Output | 回傳true值 |
| Test Result | Pass |

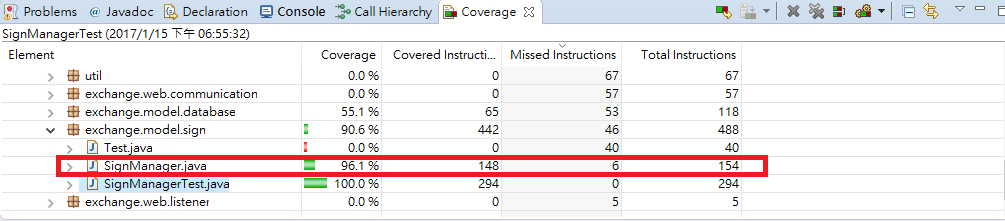
|  |  |
| --- | --- |
| **Test Case 2** | |
| Test Case Id | JUT-040 |
| Test Function Name | test Create2() |
| Test proposal | 輸入不存在資料庫的帳號資料其中有null值，測試註冊失敗 |
| Input | nput\_id = null  input\_password = "gd55kdls"  input\_userName = "ck66ja"  input\_nickName = " slmcs66mc "  input\_gender = true(男性)  input\_email = "djjf66kkfd"  input\_birthday = "2016-09-06";  input\_region = "台北" |
| Expected Output | 註冊失敗，回傳false值 |
| Real Output | 回傳false值 |
| Test Result | Pass |

|  |  |
| --- | --- |
| **Test Case 3** | |
| Test Case Id | JUT-041 |
| Test Function Name | test Create3() |
| Test proposal | 輸入已存在資料庫的帳號資料，測試建立失敗 |
| Input | input\_id = "10567026"  input\_password = "gd55kdls"  input\_userName = "ck66ja"  input\_nickName = " slmcs66mc "  input\_gender = true(男性)  input\_email = "djjf66kkfd"  input\_birthday = "2016-09-06";  input\_region = "台北" |
| Expected Output | 註冊失敗，回傳false值 |
| Real Output | 回傳false值 |
| Test Result | Pass |



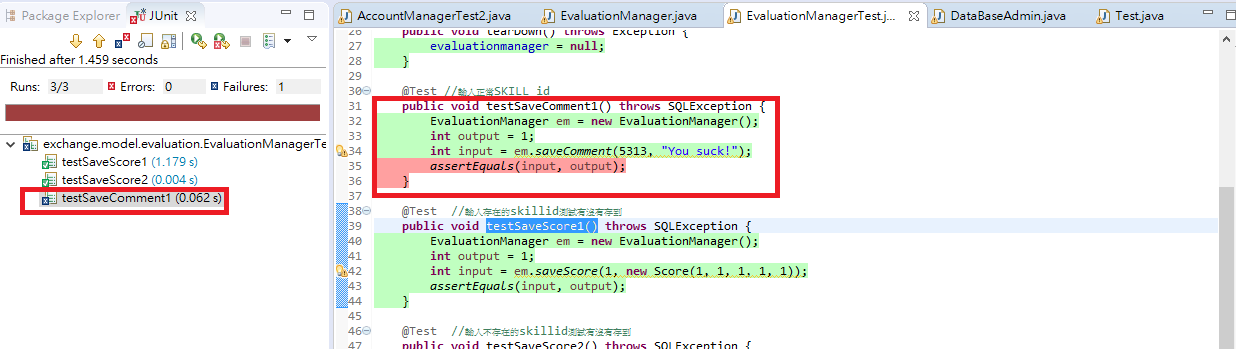


登入模組覆蓋率

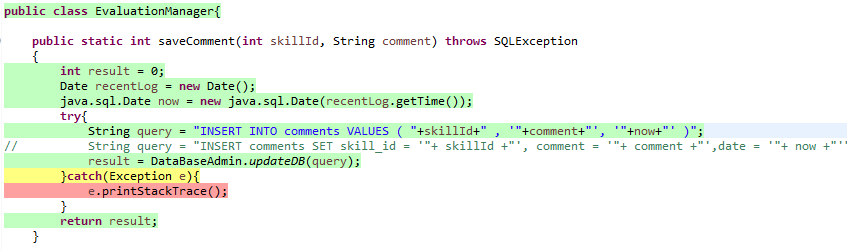


* 評價模組單元測試
* EvaluationManager.saveComment()

|  |  |
| --- | --- |
| **Test Case 1** | |
| Test Case Id | JUT-042 |
| Test Function Name | testSaveComment1() |
| Test proposal | 輸入skillId、comment，測試建立評價成功 |
| Input | input\_skillId = “1”  input\_comment = ”good!” |
| Expected Output | 建立成功，回傳值為1 |
| Real Output | 回傳值為0 |
| Test Result | fault |



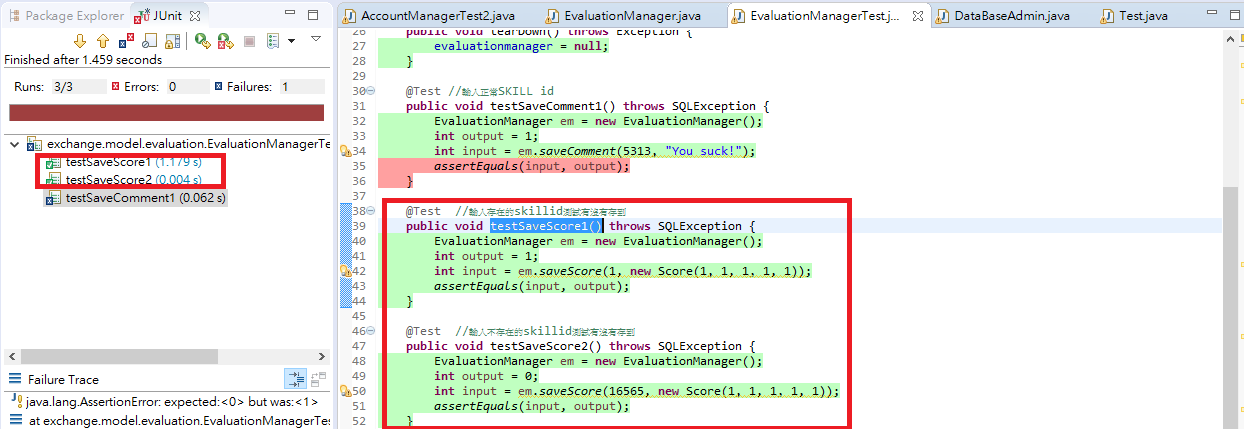
saveComment() Code



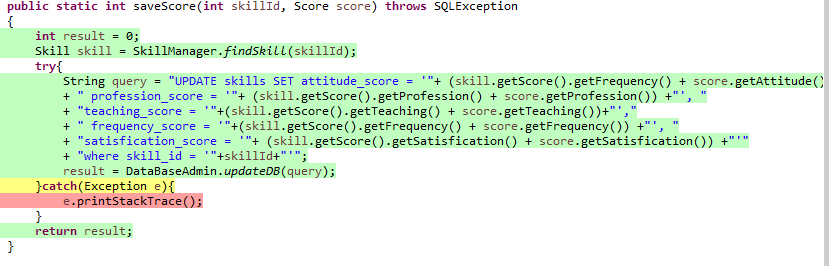
* EvaluationManager.saveScore()

|  |  |
| --- | --- |
| **Test Case 1** | |
| Test Case Id | JUT-043 |
| Test Function Name | testSaveScore1() |
| Test proposal | 輸入已存在資料庫skillId，測試更新到分數 |
| Input | input\_skillId = “1”  input\_score = Score(1, 1, 1, 1, 1) |
| Expected Output | 更新成功，回傳值為1 |
| Real Output | 回傳值為1 |
| Test Result | Pass |

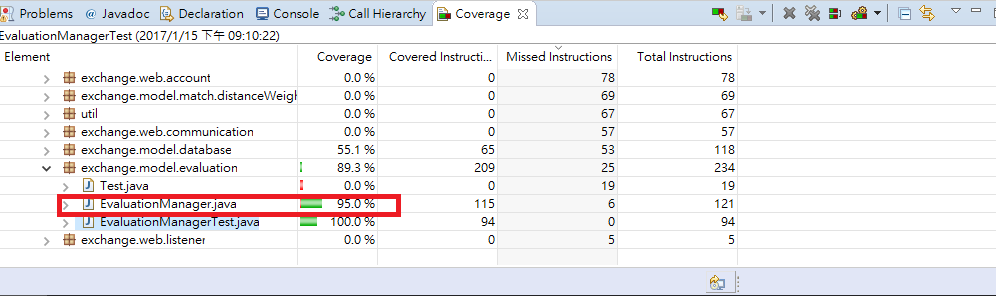
|  |  |
| --- | --- |
| **Test Case 2** | |
| Test Case Id | JUT-044 |
| Test Function Name | testSaveScore2() |
| Test proposal | 輸入不存在資料庫skillId，測試更新不到分數 |
| Input | input\_skillId = “11513131131”  input\_score = Score(1, 1, 1, 1, 1) |
| Expected Output | 更新失敗，回傳值為0 |
| Real Output | 回傳值為0 |
| Test Result | Pass |



saveScore() Code

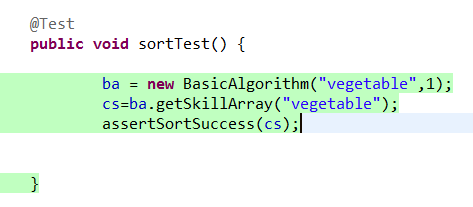


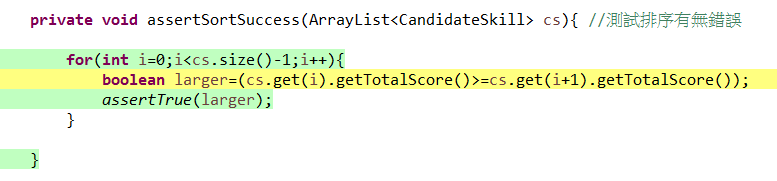
評價模組覆蓋率



* 配對模組單元測試
* BasicAlgorithm.sort()

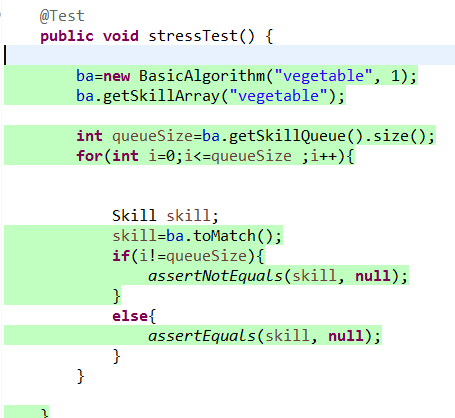
|  |  |
| --- | --- |
| **Test Case 1** | |
| Test Case Id | JUT-045 |
| Test Function Name | sort() |
| Test proposal | 檢查陣列之技能分數，是否由大而小排序。 |
| Input | 資料庫成績 |
| Expected Output | true |
| Real Output | true |
| Test Result | Pass |





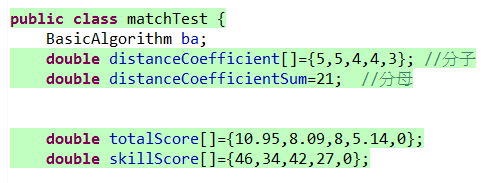
* BasicAlgorithm.toMatch()

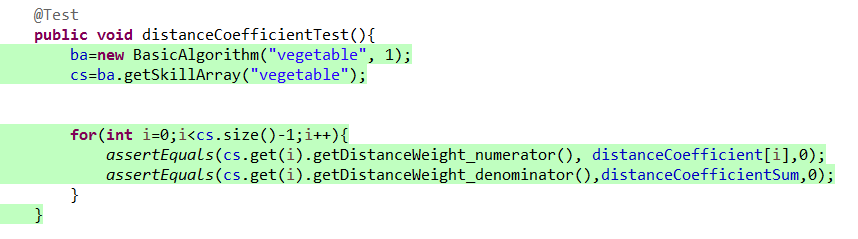
|  |  |
| --- | --- |
| **Test Case 1** | |
| Test Case Id | JUT-046 |
| Test Function Name | toMatch() |
| Test proposal | 模擬配對後，如果多次按下next超過最大數量時，是否會回傳null而不會發生ArrayIndexOutOfBoundsException。 |
| Input | 資料庫取得資料 |
| Expected Output | true |
| Real Output | true |
| Test Result | Pass |



* BasicAlgorithm.computeDistanceWeight()

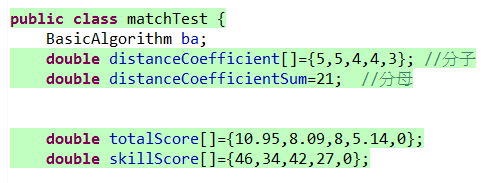
|  |  |
| --- | --- |
| **Test Case 1** | |
| Test Case Id | JUT-048 |
| Test Function Name | computeDistanceWeight(ArrayList<CandidateSkill> cs) |
| Test proposal | 檢查距離權重是否正確 |
| Input | 以vegetable帳號使用技能編號為1的技能進行配對所計算出來的5個技能之距離權重 |
| Expected Output | true |
| Real Output | true |
| Test Result | pass |

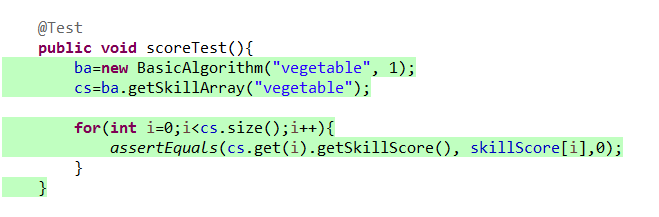




* BasicAlgorithm.SumEvalScoreWithFitLvWt()

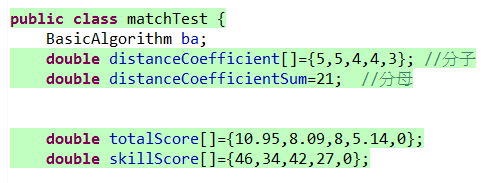
|  |  |
| --- | --- |
| **Test Case 1** | |
| Test Case Id | JUT-049 |
| Test Function Name | SumEvalScoreWithFitLvWt() |
| Test proposal | 檢查分數是否正確 |
| Input | 以vegetable帳號使用技能編號為1的技能進行配對所計算出來的5個技能之分數 |
| Expected Output | true |
| Real Output | true |
| Test Result | pass |

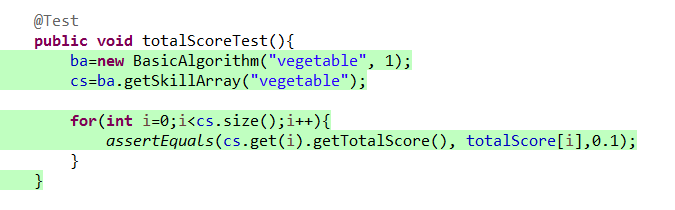




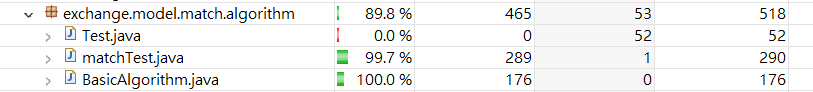
* BasicAlgorithm.calculateTotalScore()

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| **Test Case 1** | |
| Test Case Id | JUT-050 |
| Test Function Name | calculateTotalScore() |
| Test proposal | 檢查分數乘上距離權重後之總分數是否正確 |
| Input | 以vegetable帳號使用技能編號為1的技能進行配對所計算出來的5個技能之總分數 |
| Expected Output | true |
| Real Output | true |
| Test Result | pass |

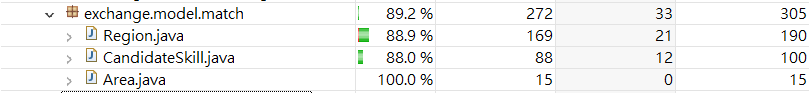


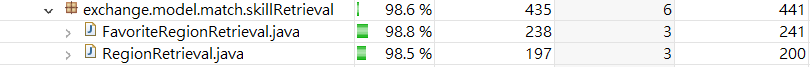


配對模組覆蓋率







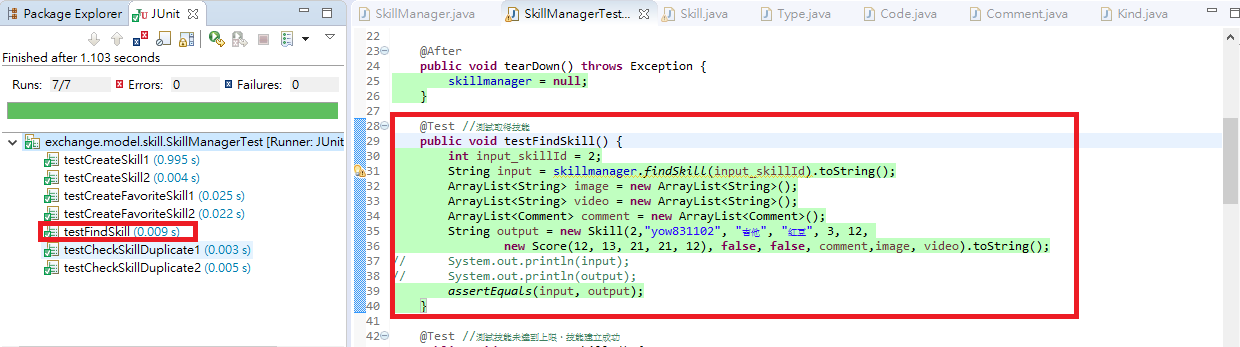






* 技能模組單元測試
* SkillManager.findSkill()

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| --- | --- |
| **Test Case 1** | |
| Test Case Id | JUT-051 |
| Test Function Name | TestfindSkill() |
| Test proposal | 測試取得正確帳號資料 |
| Input | Input\_skillId = “2”  Input\_userId = “yow831102”  Input\_typeName = “吉他”  Input\_introExpr = “紅豆”  Input\_skillLevel = 3  Input\_times = 12  Input\_score = (12, 13, 21, 21, 12)  badTag = false  warningTag = false  comment = empty set  image = empty set  video = empty set |
| Expected Output | true |
| Real Output | true |
| Test Result | Pass |



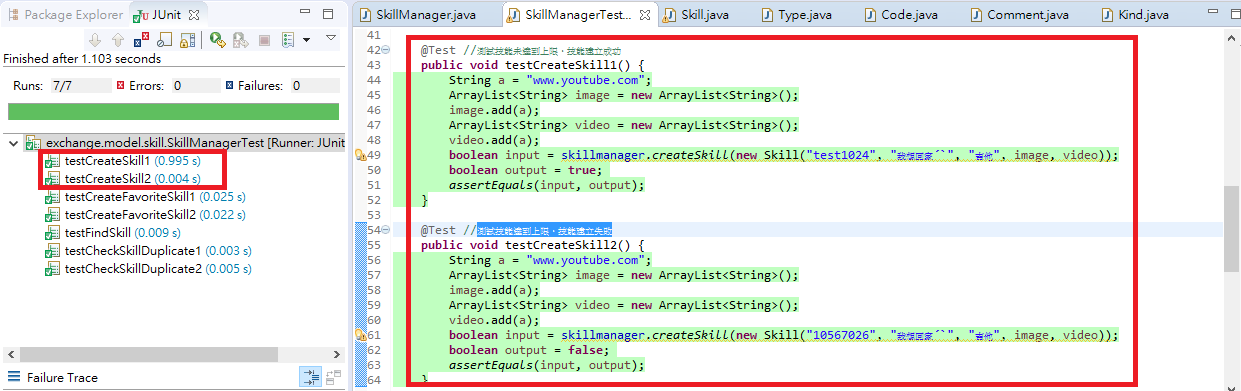
findSkill() Code



* SkillManager.createSkill()

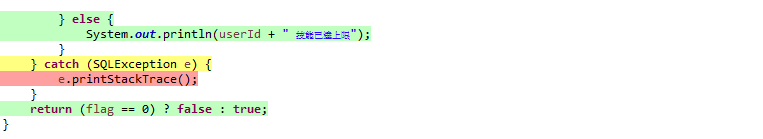
|  |  |
| --- | --- |
| **Test Case 1** | |
| Test Case Id | JUT-052 |
| Test Function Name | TestCreateSkill1() |
| Test proposal | 測試技能未達到上限，技能建立成功 |
| Input | Input\_skillId = “test1024”  Input\_introExpr = “我想回家ˊˋ”  Input\_typeName = “吉他”  image = "www.youtube.com"  video = "www.youtube.com" |
| Expected Output | true |
| Real Output | true |
| Test Result | Pass |

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| --- | --- |
| **Test Case 2** | |
| Test Case Id | JUT-053 |
| Test Function Name | TestCreateSkill2() |
| Test proposal | 測試技能達到上限，技能建立失敗 |
| Input | Input\_skillId = “10567026”  Input\_introExpr = “我想回家ˊˋ”  Input\_typeName = “吉他”  image = "www.youtube.com"  video = "www.youtube.com" |
| Expected Output | false |
| Real Output | false |
| Test Result | Pass |



createSkill() Code

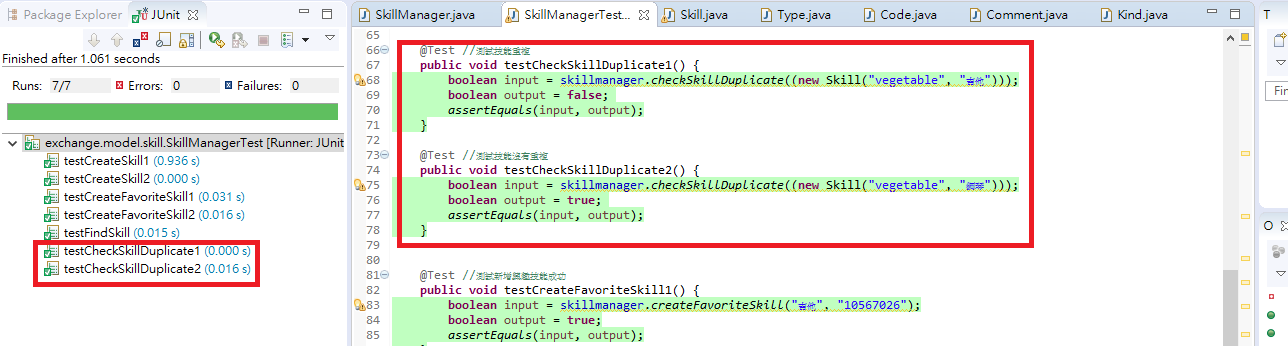




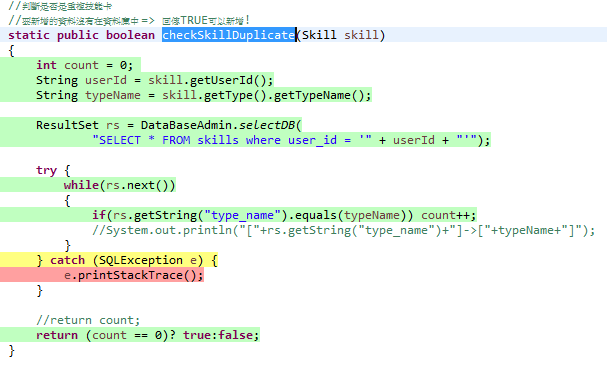
* SkillManager.checkSkillDuplicate()

|  |  |
| --- | --- |
| **Test Case 1** | |
| Test Case Id | JUT-054 |
| Test Function Name | TestCheckSkillDuplicate1() |
| Test proposal | 新增不在資料庫中的技能，技能沒有重複，新增成功 |
| Input | Input\_user\_id = “vegetable”  Input\_typeName = “吉他” |
| Expected Output | true |
| Real Output | true |
| Test Result | Pass |

|  |  |
| --- | --- |
| **Test Case 2** | |
| Test Case Id | JUT-055 |
| Test Function Name | TestCheckSkillDuplicate2() |
| Test proposal | 新增已在資料庫中的技能，技能重複，新增失敗 |
| Input | Input\_user\_id = “vegetable”  Input\_typeName = “鋼琴” |
| Expected Output | false |
| Real Output | false |
| Test Result | Pass |



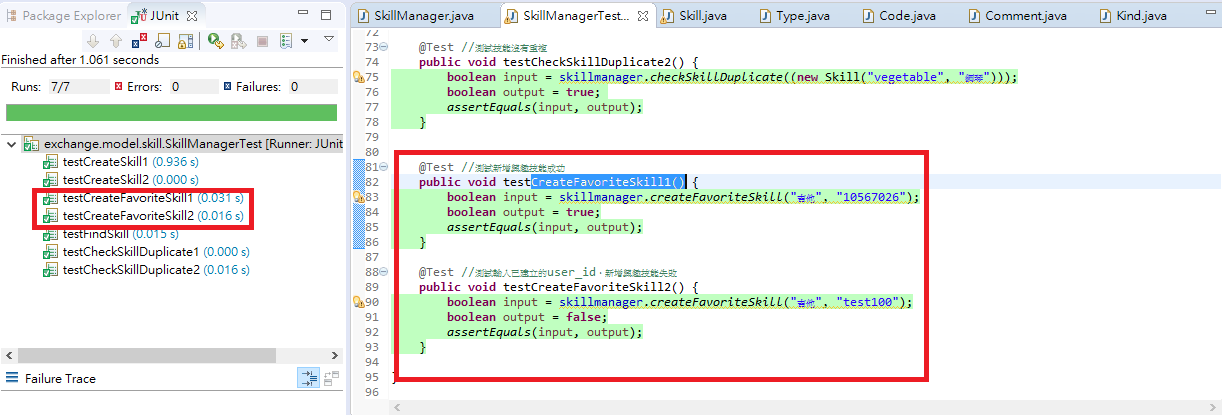
skillDuplicate() Code



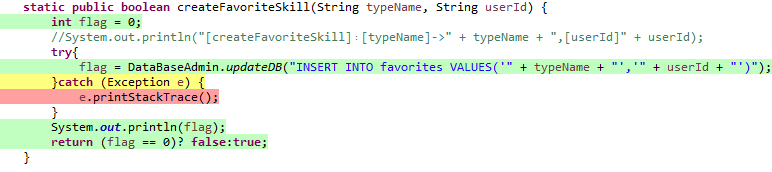
* SkillManager.createFavoriteSkill()

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| --- | --- |
| **Test Case 1** | |
| Test Case Id | JUT-056 |
| Test Function Name | TestCreateFavoriteSkill1() |
| Test proposal | 新增不在資料庫中的技能，技能沒有重複，新增成功 |
| Input | Input\_typeName = “吉他”  Input\_user\_id = “10567026” |
| Expected Output | true |
| Real Output | true |
| Test Result | Pass |

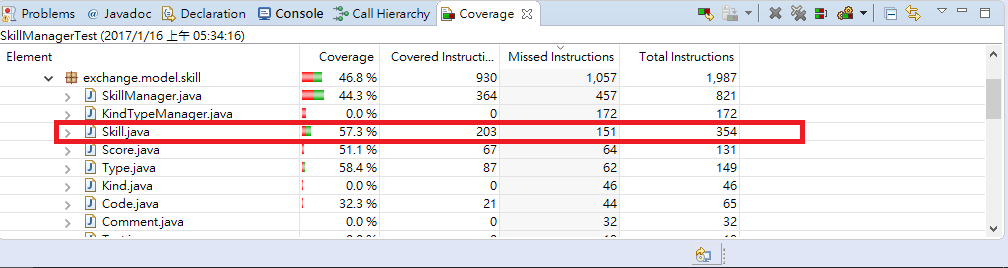
|  |  |
| --- | --- |
| **Test Case 2** | |
| Test Case Id | JUT-057 |
| Test Function Name | TestCreateFavoriteSkill2() |
| Test proposal | 新增已在資料庫中的技能，技能重複，新增失敗 |
| Input | Input\_typeName = “吉他”  Input\_user\_id = “test100” |
| Expected Output | false |
| Real Output | false |
| Test Result | Pass |



createFavoriteSkill() Code



技能模組覆蓋率



* 1. 系統測試(System Test)

|  |  |
| --- | --- |
| **Identification** | E-STC-001 |
| **Name** | 連結個人頁面系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之導覽列 |
| **Reference** | E-FR-NB-001 |
| **Severity** | 1 |
| **Instructions** | 點選個人頁面 |
| **Excepted Result** | 進入個人頁面 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-002 |
| **Name** | 連結交流頁面系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之導覽列 |
| **Reference** | E-FR-NB-002 |
| **Severity** | 1 |
| **Instructions** | 點選交流列表 |
| **Excepted Result** | 進入交流頁面 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-003 |
| **Name** | 登出系統功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之導覽列 |
| **Reference** | E-FR-NB-003 |
| **Severity** | 1 |
| **Instructions** | 點選登出 |
| **Excepted Result** | 進入首頁 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-004 |
| **Name** | 註冊帳戶功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之首頁 |
| **Reference** | E-FR-SU-001 |
| **Severity** | 1 |
| **Instructions** | 1. 點選註冊按鈕 2. 輸入個人資料 3. 點選提交 |
| **Excepted Result** | 1. 註冊成功訊息 2. 顯示首頁 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-005 |
| **Name** | 登入系統功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之首頁 |
| **Reference** | E-FR-SGI-001 |
| **Severity** | 1 |
| **Instructions** | 1. 點選登入按鈕 2. 輸入帳號與密碼 3. 點選登入 |
| **Excepted Result** | 顯示個人頁面 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-006 |
| **Name** | 修改密碼功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之個人頁面 |
| **Reference** | E-FR-AM-001 |
| **Severity** | 1 |
| **Instructions** | 1. 點選修改密碼 2. 輸入密碼、確認密碼 3. 點選確認 |
| **Excepted Result** | 1. 密碼修改成功訊息 2. 顯示個人頁面 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-007 |
| **Name** | 顯示個人頁面系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之個人頁面 |
| **Reference** | E-FR-SMG-001、E-FR-PMG-003 |
| **Severity** | 1 |
| **Instructions** | 進入個人頁面 |
| **Excepted Result** | 1. 顯示所有已新增的技能 2. 顯示所有已新增的興趣技能 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-008 |
| **Name** | 查看技能資訊功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之個人頁面與交流頁面 |
| **Reference** | E-FR-SMG-002 |
| **Severity** | 1 |
| **Instructions** | 點選技能圖示 |
| **Excepted Result** | 顯示技能頁面中的技能資訊 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-009 |
| **Name** | 建立技能功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之個人頁面 |
| **Reference** | E-FR-SMG-003、E-FR-SA-001 |
| **Severity** | 1 |
| **Instructions** | 1. 按下建立技能按鈕 2. 填寫名稱、種類、程度、經歷欄位 3. 填寫展示資料(嵌入影片、上傳照片) 4. 按下送出按鈕 |
| **Excepted Result** | 個人頁面出現新增的技能 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-010 |
| **Name** | 修改技能功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之個人頁面 |
| **Reference** | E-FR-SMG-004、E-FR-SMF-001 |
| **Severity** | 1 |
| **Instructions** | 1. 按下修改技能按鈕 2. 修改程度、經歷欄位 3. 修改展示資料(嵌入影片、上傳照片) 4. 按下送出按鈕 |
| **Excepted Result** | 1. 技能修改成功訊息 2. 顯示個人頁面 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-011 |
| **Name** | 技能配對功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之個人頁面 |
| **Reference** | E-FR-SMG-005 |
| **Severity** | 1 |
| **Instructions** | 按下技能配對按鈕 |
| **Excepted Result** | 顯示配對頁面 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-012 |
| **Name** | 顯示個人資料功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之個人頁面 |
| **Reference** | E-FR-PMG-001 |
| **Severity** | 1 |
| **Instructions** | 按下個人圖示 |
| **Excepted Result** | 顯示個人資料 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-013 |
| **Name** | 修改個人資料功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之個人頁面 |
| **Reference** | E-FR-PMG-002、E-FR-PMF-001 |
| **Severity** | 1 |
| **Instructions** | 1. 按下修改個人資料按鈕 2. 修改個人資料 3. 按下送出按鈕 |
| **Excepted Result** | 1. 修改成功訊息 2. 顯示個人頁面 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-014 |
| **Name** | 建立興趣技能功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之個人頁面 |
| **Reference** | E-FR-PMG-004、E-FR-FSA-001 |
| **Severity** | 1 |
| **Instructions** | 1. 按下新增興趣技能按鈕 2. 選擇興趣技能資料 3. 按下送出按鈕 |
| **Excepted Result** | 個人頁面出現新增的興趣技能 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-015 |
| **Name** | 刪除興趣技能功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之個人頁面 |
| **Reference** | E-FR-PMG-005 |
| **Severity** | 1 |
| **Instructions** | 1. 按下刪除興趣技能按鈕 2. 按下確認按鈕 |
| **Excepted Result** | 個人頁面顯示所有興趣技能，除了被刪除的興趣技能 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-016 |
| **Name** | 顯示配對技能功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之配對頁面 |
| **Reference** | E-FR-SEG-001、E-FR-SEG-002 |
| **Severity** | 1 |
| **Instructions** | 在個人頁面中按下技能配對按鈕 |
| **Excepted Result** | 1. 顯示所有已新增的興趣技能 2. 顯示依配對演算法挑選出的技能之資訊 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-017 |
| **Name** | 另尋配對功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之配對頁面 |
| **Reference** | E-FR-SEG-003 |
| **Severity** | 1 |
| **Instructions** | 在配對頁面中按下Next按鈕 |
| **Excepted Result** | 顯示依配對演算法挑選出的技能之資訊 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-018 |
| **Name** | 結束配對功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之配對頁面 |
| **Reference** | E-FR-SEG-004 |
| **Severity** | 1 |
| **Instructions** | 在配對頁面中按下Exit按鈕 |
| **Excepted Result** | 顯示個人頁面 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-019 |
| **Name** | 訊息交流功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之交流頁面 |
| **Reference** | E-FR-CM-001 |
| **Severity** | 1 |
| **Instructions** | 按下訊息交流按鈕 |
| **Excepted Result** | 顯示聊天頁面 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-020 |
| **Name** | 接受邀請功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之交流頁面 |
| **Reference** | E-FR-CM-002 |
| **Severity** | 1 |
| **Instructions** | 按下接受邀請按鈕 |
| **Excepted Result** | 1. 交流頁面的邀請關係消失 2. 交流頁面顯示交換關係 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-021 |
| **Name** | 拒絕邀請功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之交流頁面 |
| **Reference** | E-FR-CM-003 |
| **Severity** | 1 |
| **Instructions** | 按下拒絕邀請按鈕 |
| **Excepted Result** | 交流頁面的邀請關係消失 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-022 |
| **Name** | 取消邀請功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之交流頁面 |
| **Reference** | E-FR-CM-004 |
| **Severity** | 1 |
| **Instructions** | 按下取消邀請按鈕 |
| **Excepted Result** | 技能可以進行配對功能 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-023 |
| **Name** | 顯示評價頁面功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之交流頁面 |
| **Reference** | E-FR-CM-005 |
| **Severity** | 1 |
| **Instructions** | 按下技能評價按鈕 |
| **Excepted Result** | 顯示技能評價頁面 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-024 |
| **Name** | 技能評價功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之技能評價頁面 |
| **Reference** | E-FR-SEL-001、E-FR-SEL-002、E-FR-SEL-003 |
| **Severity** | 1 |
| **Instructions** | 1. 選擇各項星等 2. 輸入評論 3. 按下送出按鈕 |
| **Excepted Result** | 交流頁面的交換關係消失 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-025 |
| **Name** | 取消評價功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之技能評價頁面 |
| **Reference** | E-FR-SEL-004 |
| **Severity** | 1 |
| **Instructions** | 按下取消按鈕 |
| **Excepted Result** | 顯示交流頁面 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-026 |
| **Name** | 查看技能評論與展示功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之技能頁面 |
| **Reference** | E-FR-SIF-001、E-FR-SIF-002 |
| **Severity** | 1 |
| **Instructions** | 進入技能頁面 |
| **Excepted Result** | 1. 顯示所有的評論 2. 顯示技能的展示 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-027 |
| **Name** | 取消修改功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之個人資料修改頁面 |
| **Reference** | E-FR-PMF-002 |
| **Severity** | 1 |
| **Instructions** | 按下取消按鈕 |
| **Excepted Result** | 顯示個人頁面 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-028 |
| **Name** | 取消新增功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之興趣技能新增頁面 |
| **Reference** | E-FR-FSA-002 |
| **Severity** | 1 |
| **Instructions** | 按下取消按鈕 |
| **Excepted Result** | 顯示個人頁面 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-029 |
| **Name** | 取消新增功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之建立技能頁面 |
| **Reference** | E-FR-SA-002 |
| **Severity** | 1 |
| **Instructions** | 按下取消按鈕 |
| **Excepted Result** | 顯示個人頁面 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-030 |
| **Name** | 取消修改功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之技能修改頁面 |
| **Reference** | E-FR-SMF-002 |
| **Severity** | 1 |
| **Instructions** | 按下取消按鈕 |
| **Excepted Result** | 顯示個人頁面 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-031 |
| **Name** | 送出訊息功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之聊天頁面 |
| **Reference** | E-FR-CP-001 |
| **Severity** | 1 |
| **Instructions** | 按下送出按鈕 |
| **Excepted Result** | 聊天視窗顯示送出的訊息 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-032 |
| **Name** | 5秒內回應壓力測試 |
| **Tested Target** | 技能交換平台(Exchange)之所有功能 |
| **Reference** | E-NFR-PR-001 |
| **Severity** | 1 |
| **Instructions** | 使用JMeter對各功能進行存取 |
| **Excepted Result** | 各功能系統皆能在5秒內回應 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-033 |
| **Name** | 100位使用者壓力測試 |
| **Tested Target** | 技能交換平台(Exchange)之所有功能 |
| **Reference** | E-NFR-PR-002 |
| **Severity** | 1 |
| **Instructions** | 使用JMeter以100的執行緒數量對各功能進行存取 |
| **Excepted Result** | 各個執行緒的請求系統皆能正確且在5秒內回應 |
| **Cleanup** | 無 |

|  |  |
| --- | --- |
| **Identification** | E-STC-034 |
| **Name** | 顯示交流列表功能系統測試 |
| **Tested Target** | 技能交換平台(Exchange)之交流頁面 |
| **Reference** | E-FR-CM-006、E-FR-CM-007、E-FR-CM-008 |
| **Severity** | 1 |
| **Instructions** | 進入交流頁面 |
| **Excepted Result** | 1. 顯示所有交換狀態的技能 2. 顯示所有收到邀請的技能 3. 顯示所有送出邀請的技能 |
| **Cleanup** | 無 |

1. 測試工作指派與時程(Personnel and Schedule)
   1. 測試成員(Personnel)

|  |  |
| --- | --- |
| **姓名** | **職責** |
| 吳宇鴻 | 單元測試規劃、單元測試人員 |
| 鍾子健 | 單元測試規劃、單元測試人員 |
| 施博文 | 系統測試規劃 |
| 羅祐任 | 系統測試人員 |
| 蔡昌廷 | 系統測試人員 |
| 全體成員 | 研發人員 |

* 1. 測試程序與時程(Test Procedure and Schedule)

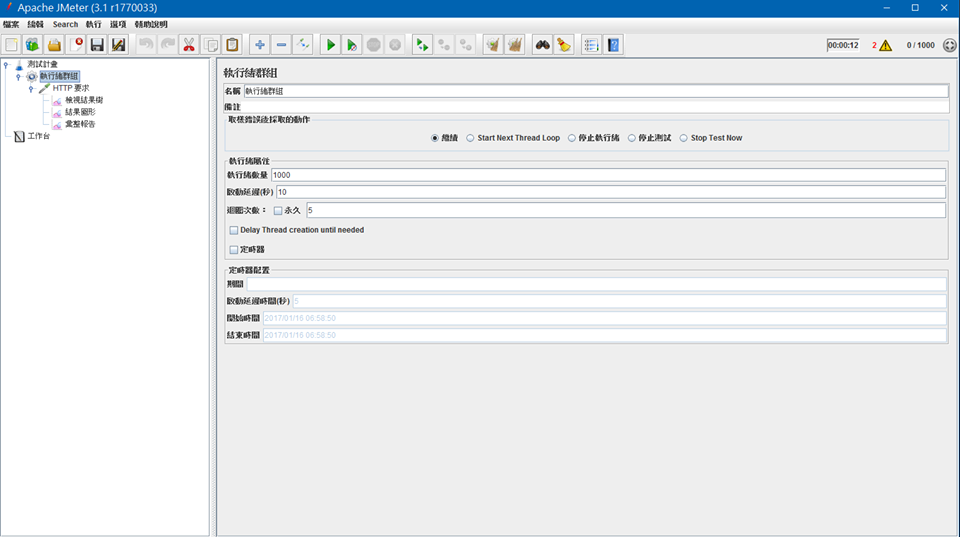
|  |  |  |
| --- | --- | --- |
| **Deliverable** | **Responsibility** | **Completion Date** |
| 發展測試案例  (Develop Test Cases) | 測試規劃人員 | 106/01/15 |
| 複核測試案例  (Test Case Review) | 測試人員、研發人員 | 106/01/15 |
| 完成測試執行  (Execute Testing) | 測試人員 | 106/01/15 |
| 完成缺失修復  (Complete Defect Reports) | 研發人員 | 106/01/15 |
| 提出測試報告  (Final Test Summary Report) | 測試人員 | 106/01/15 |

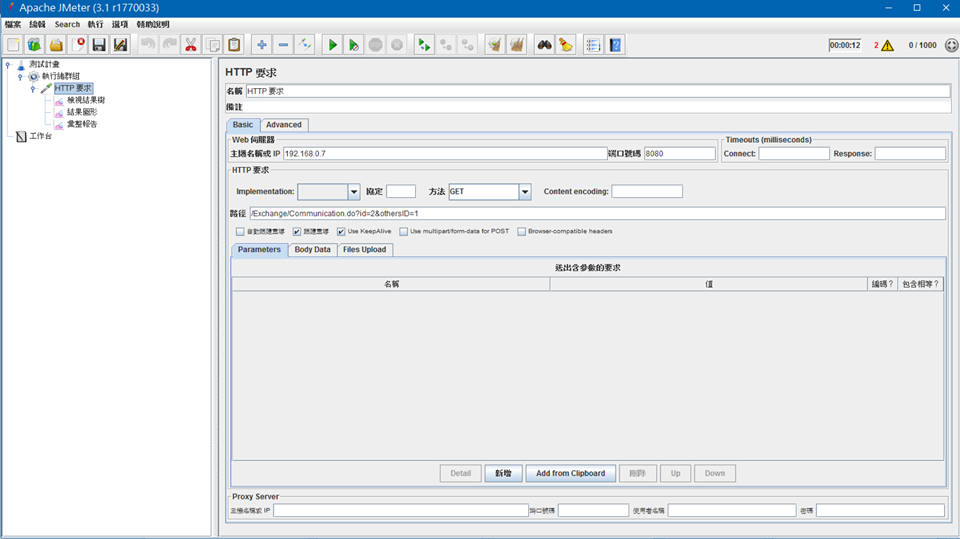
1. 測試結果與分析(Test Results and Analysis)
   1. 測試結果(Test Results)

|  |  |  |
| --- | --- | --- |
| **測試案例編號** | **測試結果**  **(Pass/Fail)** | **註解** |
| E-STC-001 | PASS |  |
| E-STC-002 | PASS |  |
| E-STC-003 | PASS | 缺失編號：E-DT-002、E-DT-003 |
| E-STC-004 | FAIL | 缺失編號：  E-DT-004、E-DT-005、E-DT-006 |
| E-STC-005 | PASS |  |
| E-STC-006 | FAIL | 缺失編號：E-DT-007 |
| E-STC-007 | PASS |  |
| E-STC-008 | PASS |  |
| E-STC-009 | PASS | 缺失編號：E-DT-008 |
| E-STC-010 | FAIL | 缺失編號：E-DT-009 |
| E-STC-011 | PASS |  |
| E-STC-012 | PASS |  |
| E-STC-013 | FAIL | 缺失編號：E-DT-018 |
| E-STC-014 | PASS | 缺失編號：E-DT-010 |
| E-STC-015 | PASS | 缺失編號：E-DT-011 |
| E-STC-016 | PASS |  |
| E-STC-017 | PASS | 缺失編號：E-DT-012 |
| E-STC-018 | PASS |  |
| E-STC-019 | PASS | 缺失編號：E-DT-013 |
| E-STC-020 | PASS | 缺失編號：E-DT-014 |
| E-STC-021 | PASS |  |
| E-STC-022 | PASS |  |
| E-STC-023 | PASS |  |
| E-STC-024 | PASS | 缺失編號：E-DT-015、E-DT-017 |
| E-STC-025 | PASS |  |
| E-STC-026 | PASS |  |
| E-STC-027 | PASS |  |
| E-STC-028 | PASS |  |
| E-STC-029 | PASS |  |
| E-STC-030 | PASS |  |
| E-STC-031 | PASS | 缺失編號：E-DT-016 |
| E-STC-032 | PASS |  |
| E-STC-033 | PASS |  |
| E-STC-034 | PASS |  |
| RATE | 84.44% | |

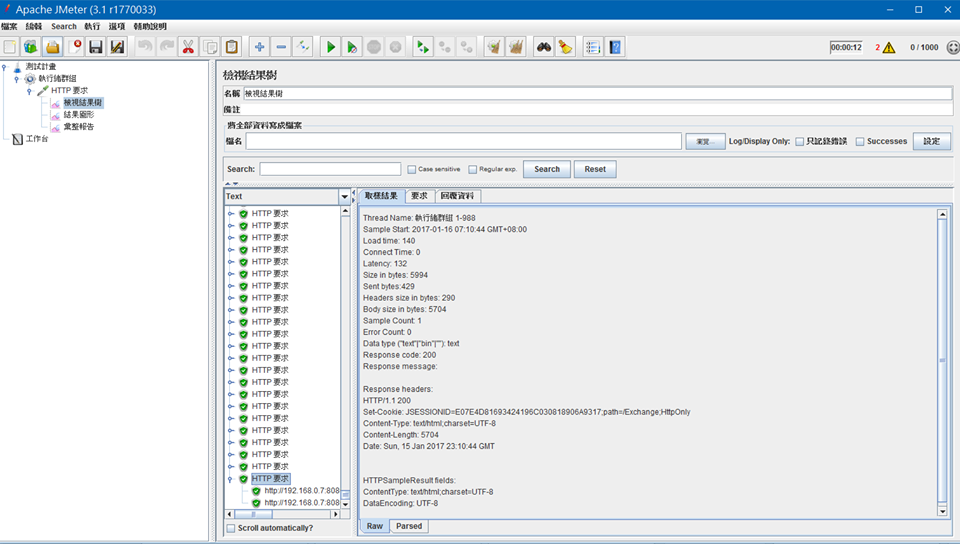
* E-STC-032與E-STC-033

設定執行緒數量為1000(1000 > 100)

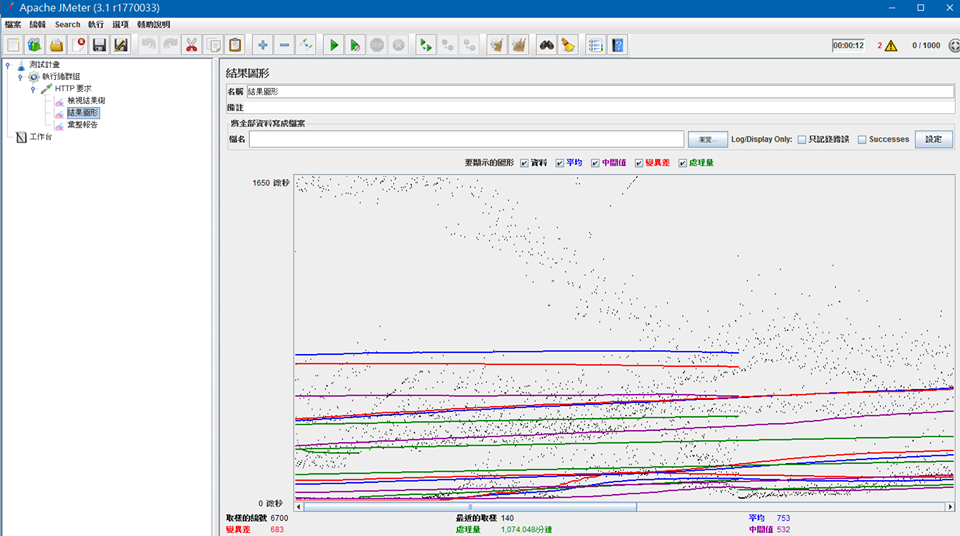


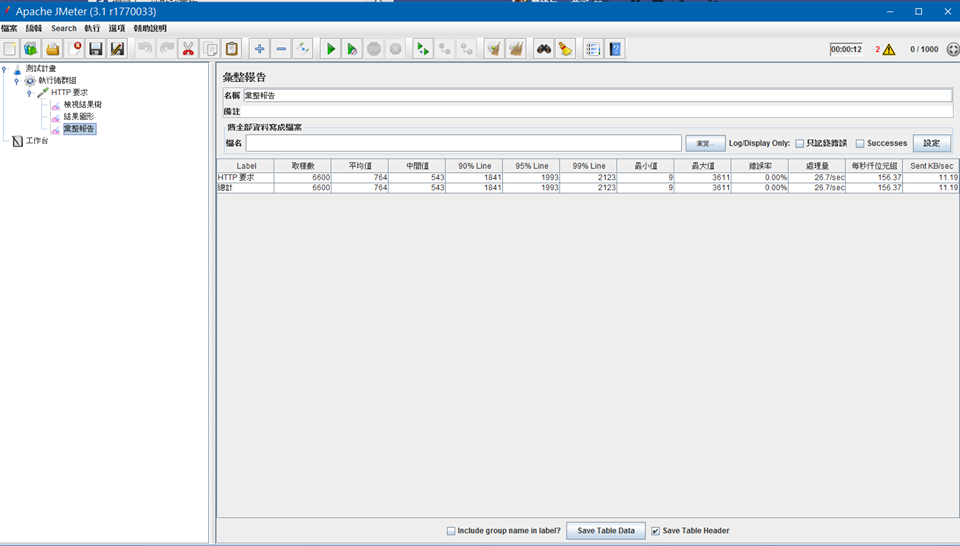


測試結果正確回傳



系統反應平均於753微秒





* 1. 缺失報告(Defect Tracking)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **缺失 標號** | **缺失 嚴重性** | **缺失說明** | **測試案例編號** | **缺失 負責人** | **修復狀態** | **修復說明** |
| E-DT-001 | Low | 系統的歡迎畫面無法正確導向(HTTP 404) | - | - | Open | - |
| E-DT-002 | High | 並非所有帳號皆能成功登入 | E-STC-003 | 鍾子健 | Closed | 判斷帳號存不存在時，給資料庫錯誤的Query，使取出來的table不存在欲判斷的帳號。 |
| E-DT-003 | High | 無法連結至特定的Servlet | E-STC-003 | 蔡昌廷 | Closed | 網址路徑須為絕對路徑或相對路徑(開頭不用加上斜線) |
| E-DT-004 | Low | 只能正確顯示首頁，但未顯示成功訊息 | E-STC-004 | 蔡昌廷 | Open | - |
| E-DT-005 | High | Eclipse無法啟動Tomcat | E-STC-004 | 蔡昌廷 | Closed | web.xml需要加上一層<element>標籤 |
| E-DT-006 | High | 整合註冊功能時產生"JDBC Driver not found"的錯誤訊息 | E-STC-004 | 蔡昌廷 | Closed | 將MySQLConnection.jar放置於Tomcat的lib資料夾下 |
| E-DT-007 | Medium | 功能無法使用 | E-STC-006 | 蔡昌廷 | Ongoing | 尚未執行整合 |
| E-DT-008 | Low | 技能的總數未增加一筆 | E-STC-009 | 蔡昌廷 | Closed | 補上函式呼叫 |
| E-DT-009 | Medium | 功能無法使用 | E-STC-010 | 蔡昌廷 | Ongoing | 尚未執行整合 |
| E-DT-010 | Medium | 不能新增興趣技能 | E-STC-014 | 蔡昌廷 | Closed | 因為新增興趣技能與刪除興趣技能具有重複的參數 |
| E-DT-011 | Medium | 不能刪除興趣技能 | E-STC-015 | 蔡昌廷 | Closed | 因為新增興趣技能與刪除興趣技能具有重複的參數 |
| E-DT-012 | High | 無法取得下一項技能而產生null exception | E-STC-017 | 蔡昌廷 | Closed | 未處理再配對直至沒有下一項技能的情況 |
| E-DT-013 | Medium | 功能無法使用 | E-STC-019 | 羅佑任 | Closed | 聊天模組已完成 |
| E-DT-014 | High | 無法接受邀請 | E-STC-020 | 蔡昌廷 | Closed | doGet語法錯誤，將網址串接的?寫錯 |
| E-DT-015 | High | 對方無法評論 | E-STC-024 | 蔡昌廷 | Closed | 原先設計資料庫僅有一個標籤，一人改動標籤後，另一人將無法再行評論，因此更改資料庫設計為兩個標籤 |
| E-DT-016 | Medium | 功能無法使用 | E-STC-031 | 羅佑任 | Closed | 聊天模組已完成 |
| E-DT-017 | Medium | 評價完未更新技能的等級與帳戶的最大技能數量並判斷是否封鎖或警告 | E-STC-031 | 蔡昌廷 | Closed | 補上函式呼叫 |
| E-DT-018 | Low | 只能正確顯示個人頁面，但未顯示成功訊息 | E-STC-013 | 蔡昌廷 | Open | - |

追溯表(Traceability Matrix)

|  |  |  |
| --- | --- | --- |
| **Req. No.** | **Test Case #** | **Verification** |
| E-FR-NB-001 | E-STC-001 | Verified |
| E-FR-NB-002 | E-STC-002 | Verified |
| E-FR-NB-003 | E-STC-003 | Verified |
| E-FR-SU-001 | E-STC-004 | Verified |
| E-FR-SGI-001 | E-STC-005 | Verified |
| E-FR-AM-001 | E-STC-006 | Verified |
| E-FR-SMG-001  E-FR-PMG-003 | E-STC-007 | Verified |
| E-FR-SMG-002 | E-STC-008 | Verified |
| E-FR- SMG -003  E-FR-SA-001 | E-STC-009 | Verified |
| E-FR- SMG -004  E-FR-SMF-001 | E-STC-010 | Verified |
| E-FR- SMG -005 | E-STC-011 | Verified |
| E-FR-PMG-001 | E-STC-012 | Verified |
| E-FR-PMG-002  E-FR-PMF-001 | E-STC-013 | Verified |
| E-FR-PMG-004  E-FR-FSA-001 | E-STC-014 | Verified |
| E-FR-PMG-005 | E-STC-015 | Verified |
| E-FR-SEG-001  E-FR-SEG-002 | E-STC-016 | Verified |
| E-FR-SEG-003 | E-STC-017 | Verified |
| E-FR-SEG-004 | E-STC-018 | Verified |
| E-FR-CM-001 | E-STC-019 | Verified |
| E-FR-CM-002 | E-STC-020 | Verified |
| E-FR-CM-003 | E-STC-021 | Verified |
| E-FR-CM-004 | E-STC-022 | Verified |
| E-FR-CM-005 | E-STC-023 | Verified |
| E-FR-CM-006  E-FR-CM-007  E-FR-CM-008 | E-STC-034 | Verified |
| E-FR-SEL-001  E-FR-SEL-002  E-FR-SEL-003 | E-STC-024 | Verified |
| E-FR-SEL-004 | E-STC-025 | Verified |
| E-FR-SIF-001  E-FR-SIF-002 | E-STC-026 | Verified |
| E-FR-PMF-002 | E-STC-027 | Verified |
| E-FR-FSA-002 | E-STC-028 | Verified |
| E-FR-SA-002 | E-STC-029 | Verified |
| E-FR-SMF-002 | E-STC-030 | Verified |
| E-FR-CP-001 | E-STC-031 | Verified |
| E-NFR-PR-001 | E-STC-032 | Verified |
| E-NFR-PR-002 | E-STC-033 | Verified |