



D8.3: ACCEPTANCE TEST REPORT

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|-------------------|--------------------------|
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| Project | PSD3 Group Exercise 2 |
| Team | L |
| Authors | Michael Kilian |
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1 Introduction

1.1 Identification

Acceptance Test Report of Team K's implementation.

1.2 Related Documentation

- Acceptance Test Plan
- Requirements Specification

2 Test Cases

2.1 Utility Use Case Tests

2.1.1 Login Tests

| | |
|------------------|--|
| Test Case | U-L001 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | PASS |
| Further Comments | User logged in and established as current user correctly. |
| Test Setup | See acceptance test plan. |
| Test Case | U-L002 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | PASS |
| Further Comments | User denied login with wrong password as expected. |
| Test Setup | Password "p" used as wrong password. See acceptance test plan. |
| Test Case | U-L003 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | PASS |
| Further Comments | User denied login with wrong username as expected. |
| Test Setup | Username "1101" used as wrong username. See acceptance test plan. |
| Test Case | U-L004 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | UNDECIDABLE |
| Further Comments | Database not implemented, as was implicitly agreed in changes to requirements between writing of acceptance test plan and testing. Should be re-tested in future iteration when MyCampus authentication has been used. |
| Test Setup | See acceptance test plan. |

| | |
|------------------|---|
| Test Case | U-L005 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | PASS |
| Further Comments | Visitor logged in and set as current user as expected. |
| Test Setup | See acceptance test plan. |
| Test Case | U-L006 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | PASS |
| Further Comments | Visitor refused login with wrong username. |
| Test Setup | Username “Vr01” used as wrong username. See acceptance test plan. |
| Test Case | U-L007 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | PASS |
| Further Comments | Employer logged in and set as current user as expected. |
| Test Setup | Username “Google.com-emp” used as username instead to obey naming convention laid out by implementation. Password = “ilikelongpasswordsandthisisnoexception”. |
| Test Case | U-L008 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | PASS |
| Further Comments | Employer denied access with wrong password as expected. |
| Test Setup | Username “Google.com-emp” used as username instead to obey naming convention laid out by implementation. Incorrect password used = “wrong”. |
| Test Case | U-L009 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | PASS |
| Further Comments | Employer denied access with wrong username as expected. |
| Test Setup | Correct username “Google.com-emp” used as username instead to obey naming convention laid out by implementation. Incorrect username used = “Google.com”. |

| | |
|------------------|--|
| Test Case | U-L010 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | UNDECIDABLE |
| Further Comments | Database not implemented, as was implicitly agreed in changes to requirements between writing of acceptance test plan and testing. Should be re-tested in future iteration when MyCampus authentication has been used. |
| Test Setup | Correct username “Google.com-emp” used as username instead to obey naming convention laid out by implementation. See acceptance test plan. |
| Test Case | U-L011 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | FAIL |
| Further Comments | No functionality implemented for adding/logging in as a coordinator. Failed by default. |
| Test Setup | See acceptance test plan. |
| Test Case | U-L012 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | FAIL |
| Further Comments | No functionality implemented for adding/logging in as a coordinator. Failed by default. |
| Test Setup | See acceptance test plan. |

2.1.2 View Advertisement Summary Tests

| | |
|------------------|---|
| Test Case | A-001 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | FAIL |
| Further Comments | Student granted access to unpublished advert. |
| Test Setup | Two adverts used. The first id=123001, status=PUBLISHED. The second with id=123456 and status=PENDING. Test was performed by attempting to select first the published advert, then the pending. Naturally, the first should be returned while the other should be denied. See acceptance test plan. |

| | |
|------------------|---|
| Test Case | A-002 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | FAIL |
| Further Comments | No database implemented in this iteration. Should be tested when this requirement is fulfilled. |
| Test Setup | See acceptance test plan. |
| Test Case | A-003 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | FAIL |
| Further Comments | Employer given access to adverts other than their own. |
| Test Setup | Two adverts used. The first id=123001 and belonging to the employer. The second with id=123456 and not belonging to the employer. Test was performed by attempting to select first advert then the second. Naturally, the first should be returned while the other should be denied. See acceptance test plan for employer details. |
| Test Case | A-004 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | UNDECIDABLE |
| Further Comments | No database implemented in this iteration. Should be tested when this requirement is fulfilled. |
| Test Setup | See acceptance test plan. |
| Test Case | A-005 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | FAIL |
| Further Comments | No functionality implemented for adding/logging in as a coordinator. Failed by default. |
| Test Setup | See acceptance test plan. |
| Test Case | A-006 |
| Tested By | Michael Kilian |
| Date Tested | 26/02/2013 |
| Test Result | FAIL |
| Further Comments | No functionality implemented for adding/logging in as a coordinator. Failed by default. |
| Test Setup | See acceptance test plan. |

2.2 Advert Management Use Case Tests

2.2.1 View Advert Detail Tests

| | |
|------------------|---|
| Test Case | AM-A001 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | PASS |
| Further Comments | Pass based on ability to retrieve advert and call methods for retrieving data from advert successfully. Format of output is not considered. |
| Test Setup | Used “1003819k” and “password” as GUID and password respectively for student login. For advert inputs see acceptance test plan. |
| Test Case | AM-A002 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | FAIL |
| Further Comments | User granted access to the advertisement despite it not having been approved. |
| Test Setup | Used “1003819k” and “password” as GUID and password respectively for student login. For advert inputs see acceptance test plan. |
| Test Case | AM-A003 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | FAIL |
| Further Comments | No means provided to add/login as a coordinator. Failed by default. |
| Test Setup | N/A |
| Test Case | AM-A004 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | PASS |
| Further Comments | |
| Test Setup | Employer details: GUID = “IBM.com-emp”, password = “password”. See acceptance test plan for advert setup. |
| Test Case | AM-A005 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | FAIL |
| Further Comments | Employer granted access to advertisement belonging to another company. |
| Test Setup | Employer Details: GUID = “IBM.com-emp”, password = “password”. See acceptance test plan for advert setup. |

2.2.2 Register Employer Tests

| | |
|------------------|--|
| Test Case | AM-RE001 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | FAIL |
| Further Comments | New employer could not be registered through facade methods. |
| Test Setup | See acceptance test plan. |

2.2.3 Submit Advertisement Tests

| | |
|------------------|---|
| Test Case | AM-SA001 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | FAIL |
| Further Comments | No methods provided to add/login as a coordinator. Failed by default. |
| Test Setup | See acceptance test plan. |
| Test Case | AM-SA002 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | FAIL |
| Further Comments | Attempt to create advert failed (null advert returned). |
| Test Setup | See acceptance test plan. |

2.2.4 Publish Advertisement Tests

| | |
|------------------|--|
| Test Case | AM-PA001 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | FAIL |
| Further Comments | No means provided by which to add/login as a coordinator. Failed by default. |
| Test Setup | See acceptance test plan. |
| Test Case | AM-PA002 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | FAIL |
| Further Comments | No means provided by which to add/login as a coordinator. Failed by default. |
| Test Setup | See acceptance test plan. |

| | |
|------------------|--|
| Test Case | AM-PA003 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | FAIL |
| Further Comments | No means provided by which to add/login as a coordinator. Failed by default. |
| Test Setup | See acceptance test plan. |

2.3 Offer Management Use Case Test

2.3.1 View Student Detail

| | |
|------------------|--|
| Test Case | OM-VS001 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | FAIL |
| Further Comments | No means provided by which to add/login as a coordinator. Failed by default. |
| Test Setup | See acceptance test plan. |
| Test Case | OM-VS002 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | PASS |
| Further Comments | Success based on ability to retrieve student and check details. |
| Test Setup | Student matric = 1230123Q, surname = "Kilian", forename = "Michael". See acceptance test plan for further details. |
| Test Case | OM-VS003 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | PASS |
| Further Comments | Success based on ability to retrieve student and check details. |
| Test Setup | Student matric = 1230123Q, surname = "Kilian", forename = "Michael". See acceptance test plan for further details. |
| Test Case | OM-VS004 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | PASS |
| Further Comments | Visitor denied access as expected. |
| Test Setup | Student matric = 1230123Q, surname = "Kilian", forename = "Michael". See acceptance test plan for further details. |

2.3.2 Notify Accepted Offer Tests

| | |
|------------------|---|
| Test Case | OM-NA001 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | PASS |
| Further Comments | Notification received correctly.. |
| Test Setup | Student matric = 1230123Q, password = "password". See acceptance test plan for further details. |

| | |
|------------------|---|
| Test Case | OM-NA002 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | PASS |
| Further Comments | Pass based on return value of role creation method. Persistent system state is not checked. |
| Test Setup | Student matric = 1230123Q, password = “password”. See acceptance test plan for further details. |

2.3.3 Approve Accepted Offer Tests

| | |
|------------------|---|
| Test Case | OM-AA001 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | FAIL |
| Further Comments | No means by which to add/login as a coordinator. Failed by default. |
| Test Setup | See acceptance test plan. |
| Test Case | OM-AA002 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | FAIL |
| Further Comments | No means by which to add/login as a coordinator. Failed by default. |
| Test Setup | See acceptance test plan. |

2.4 Non-Functional Requirements Tests

| | |
|------------------|---|
| Test Case | NF-003 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | PASS |
| Further Comments | Facade realised. |
| Test Setup | See acceptance test plan. |
| Test Case | NF-004 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | PASS |
| Further Comments | System supports at least 50 adverts at once with one role each. |
| Test Setup | See acceptance test plan. |
| Test Case | NF-005 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | PASS |
| Further Comments | System supports at least 50 employers at once. |
| Test Setup | See acceptance test plan. |
| Test Case | NF-006 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | PASS |
| Further Comments | System supports at least 50 SESP students at once. |
| Test Setup | See acceptance test plan. |
| Test Case | NF-007 |
| Tested By | Michael Kilian |
| Date Tested | 24/02/2013 |
| Test Result | PASS |
| Further Comments | 100 users added successfully. |
| Test Setup | See acceptance test plan. |

3 Summary of Acceptance Testing

All tests were carried out using the JUnit test framework on a pre-written test harness. This was modified to make test cases more complete and to accommodate the ability to add users/adverts, etc. using the methods provided by Team K. Each test was run multiple times on a 'fresh' instance of the InternMan implementation provided to ensure the accuracy of results.

As can be plainly seen, a large number of tests have failed. In general however, most of these stem from two issues:

1. Failure to implement a coordinator.
2. Failure to limit effective permissions of the various categories of user.

To expand the second point, all tests in which a user should be denied access to a certain piece of information failed by the user being granted access. This could suggest that logging in has no effect on what data can or can not be accessed at any time. Further testing and code inspection would be required to prove this theory.

Naturally, the implementation and testing of these features should be a priority in future development iterations.

A Glossary

PSD/PSD3 - Professional Software Development 3