



## D8.3: ACCEPTANCE TEST REPORT

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# **1 Introduction**

## **1.1 Identification**

This is the acceptance test report completed by Team W based on the acceptance test plan created by Team W and ran on an complete system implementation of the internship management system supplied by Team V. The internship management system is for Software Engineering (SE) and Electronic and Software Engineering (ESE) students, studying in the School of Computing Science.

## **1.2 Related Documentation**

PSD3 Group Exercise Description:

<http://fims.moodle.gla.ac.uk/file.php/128/coursework/psd3-ge-2.pdf>

PSD3 Requirements Specification:

<fims.moodle.gla.ac.uk/file.php/128/coursework/requirements-specification-ge2.pdf>

## **1.3 Purpose and Description Of Document**

This document serves as the Acceptance Test Report based on the test cases created by Team W, ran on the internship management implementation by Team V.

## 2 Testing

### 2.1 Approve Accepted Offer

Identifier	UtilityAAO1
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator and accept a student's internship.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Student 100000 has their internship approved.
Actual Outcome	Null pointer exception.
Additional Comments	Due to login failure and the facade assumption that a user is logged in, null pointer exception happens.

Identifier	UtilityAAO2
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as student and accept a student's internship.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Student 100000 has their internship still as ACCEPTED.
Actual Outcome	Null pointer exception.
Additional Comments	Due to login failure and the facade assumption that a user is logged in, null pointer exception happens.

Identifier	UtilityAAO3
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator and accept a student's internship. The student does not exist.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	No change and program doesn't crash.
Actual Outcome	Null pointer exception.
Additional Comments	Due to login failure and the facade assumption that a user is logged in, null pointer exception happens.

## 2.2 Login

Identifier	UtilityTCLLogin1
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login a valid student. User: 100000, Pass: 1234
Setup	None possible - unable to add own users.
Pass/Fail	Fail
Expected Outcome	Student '100000' logged in, true returned.
Actual Outcome	Student not logged in, false returned.
Additional Comments	Supplied user information appears to have been incorrect.

Identifier	UtilityTCLLogin2
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login an invalid student. User: 100000, Pass: notmypassword
Setup	None possible - unable to add own users.
Pass/Fail	Pass
Expected Outcome	Student not logged in, false returned.
Actual Outcome	Student not logged in, false returned.
Additional Comments	As expected as there would appear to be no student users installed.

Identifier	UtilityTCLLogin3
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login an invalid student. User: 0000000a, Pass: notmypassword
Setup	None possible - unable to add own users.
Pass/Fail	Pass
Expected Outcome	Student not logged in, false returned.
Actual Outcome	Student not logged in, false returned.
Additional Comments	As expected as there would appear to be no student users installed.

Identifier	UtilityTCLLogin4
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login a valid employer. User: empl, Pass: 1234
Setup	None possible - unable to add own users.
Pass/Fail	Fail
Expected Outcome	Employer 'empl' logged in, true returned.
Actual Outcome	Employer not logged in, false returned.
Additional Comments	Supplied user information appears to have been incorrect.

Identifier	UtilityTCLLogin5
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login an invalid employer. User: empl, Pass: notmypassword
Setup	None possible - unable to add own users.
Pass/Fail	Pass
Expected Outcome	Employer not logged in, false returned.
Actual Outcome	Employer not logged in, false returned.
Additional Comments	As expected as there would appear to be no employer users installed.

Identifier	UtilityTCLLogin6
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login an invalid employer. User: notAnEmployer, Pass: notmypassword
Setup	None possible - unable to add own users.
Pass/Fail	Pass
Expected Outcome	Employer not logged in, false returned.
Actual Outcome	Employer not logged in, false returned.
Additional Comments	As expected as there would appear to be no employer users installed.

Identifier	UtilityTCLLogin7
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login a valid course coordinator. User: tws, Pass: 1234
Setup	None possible - unable to add own users.
Pass/Fail	Pass
Expected Outcome	Course coordinator 'tws' logged in, true returned.
Actual Outcome	Course coordinator 'tws' logged in, true returned.
Additional Comments	Supplied user information appears to have been correct.

Identifier	UtilityTCLLogin8
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login an invalid course coordinator. User: tws, Pass: notmypassword
Setup	None possible - unable to add own users.
Pass/Fail	Pass
Expected Outcome	Course coordinator not logged in, false returned.
Actual Outcome	Course coordinator not logged in, false returned.
Additional Comments	Supplied user information appears to have been correct.

Identifier	UtilityTCLLogin9
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login an invalid course coordinator. User: NotTheCC, Pass: notmypassword
Setup	None possible - unable to add own users.
Pass/Fail	Pass
Expected Outcome	Course coordinator not logged in, false returned.
Actual Outcome	Course coordinator not logged in, false returned.
Additional Comments	Supplied user information appears to have been correct.

### 2.3 Notify Accepted Offer

Identifier	UtilityNAO1
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator and notify of an internship.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Pass
Expected Outcome	Nothing, course coordinators do not do internships.
Actual Outcome	Nothing, course coordinators do not do internships.
Additional Comments	

Identifier	UtilityNAO2
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as an employer and notify of an internship.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Nothing, employers do not do internships.
Actual Outcome	Null pointer exception.
Additional Comments	Due to login failure and the facade assumption that a user is logged in, null pointer exception happens.

Identifier	UtilityNAO3
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator and accept a student's internship. The student does not exist.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	No change and program doesn't crash.
Actual Outcome	Null pointer exception.
Additional Comments	Due to login failure and the facade assumption that a user is logged in, null pointer exception happens.



## 2.4 Publish Advertisement

Identifier	UtilityPA1
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator publish an advertisement so a student can view it.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Advertisement is published and available to be viewed by a student.
Actual Outcome	Null pointer exception.
Additional Comments	Due to login failure and the facade assumption that a user is logged in, null pointer exception happens.

Identifier	UtilityPA2
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator publish an advertisement and still have the course coordinator view it.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Advertisement is published and available to be viewed by the course coordinator.
Actual Outcome	Null pointer exception.
Additional Comments	Due to login failure and the facade assumption that a user is logged in, null pointer exception happens.

Identifier	UtilityPA3
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator publish an advertisement and still have the employer who created it view it.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Advertisement is published and available to be viewed by the owner employer.
Actual Outcome	Null pointer exception.
Additional Comments	Due to login failure and the facade assumption that a user is logged in, null pointer exception happens.

Identifier	UtilityPA4
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator publish an advertisement that doesn't exist, then try to get a student to view it.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Nothing happens as advert doesn't exist.
Actual Outcome	Null pointer exception.
Additional Comments	The facade assumes that an advertisement exists so null pointer exception happens.

Identifier	UtilityPA5
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator publish an advertisement that doesn't exist, then try to get the course coordinator to view it.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Nothing happens as advert doesn't exist.
Actual Outcome	Null pointer exception.
Additional Comments	The facade assumes that an advertisement exists so null pointer exception happens.

Identifier	UtilityPA6
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator publish an advertisement that doesn't exist, then try to get an employer to view it.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Nothing happens as advert doesn't exist.
Actual Outcome	Null pointer exception.
Additional Comments	The facade assumes that an advertisement exists so null pointer exception happens.

## 2.5 Register Employer

Identifier	UtilityRE1
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator and add a new employer.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Pass
Expected Outcome	New employer added to the database.
Actual Outcome	New employer added to the database.
Additional Comments	

Identifier	UtilityRE2
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as student and add a new employer.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Nothing, student cannot add employers.
Actual Outcome	Null pointer exception.
Additional Comments	Due to login failure and the facade assumption that a user is logged in, null pointer exception happens.

Identifier	UtilityRE3
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as employer and add a new employer.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Nothing, employers cannot add employers.
Actual Outcome	Null pointer exception.
Additional Comments	Due to login failure and the facade assumption that a user is logged in, null pointer exception happens.

## 2.6 Submit Advertisement

Identifier	UtilitySA1
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as employer and submit an advertisement.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	New advertisement to be published added to the database.
Actual Outcome	Null pointer exception.
Additional Comments	Due to login failure and the facade assumption that a user is logged in, null pointer exception happens.

Identifier	UtilitySA2
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator and submit an advertisement.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Pass
Expected Outcome	New advertisement to be published added to the database.
Actual Outcome	New advertisement to be published added to the database.
Additional Comments	

Identifier	UtilitySA3
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as student and submit an advertisement.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Nothing, students cannot submit advertisements.
Actual Outcome	Null pointer exception.
Additional Comments	Due to login failure and the facade assumption that a user is logged in, null pointer exception happens.

Identifier	UtilitySA4
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Don't login and submit an advertisement.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Nothing, you need to login to submit advertisements.
Actual Outcome	Null pointer exception.
Additional Comments	Due to the facade assumption that a user is logged in, null pointer exception happens.

## 2.7 View Advertisement

Identifier	UtilityVA1
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as student and view a published advertisement.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Advertisement details available.
Actual Outcome	Null pointer exception.
Additional Comments	Advert creation and publication doesn't work causing failure.

Identifier	UtilityVA2
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator and view a published advertisement.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Advertisement details available.
Actual Outcome	Null pointer exception.
Additional Comments	Advert creation and publication doesn't work causing failure.

Identifier	UtilityVA3
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as owner company and view their published advertisement.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Advertisement details available.
Actual Outcome	Null pointer exception.
Additional Comments	Advert creation and publication doesn't work causing failure.

Identifier	UtilityVA4
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as an employer and view another employers published advertisement.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Advertisement details unavailable.
Actual Outcome	Null pointer exception.
Additional Comments	Advert creation and publication doesn't work causing failure.

Identifier	UtilityVA5
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator and view a pending advertisement.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Advertisement details available.
Actual Outcome	Null pointer exception.
Additional Comments	Advert creation and publication doesn't work causing failure.

Identifier	UtilityVA6
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as student and view a pending advertisement.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Advertisement details unavailable.
Actual Outcome	Null pointer exception.
Additional Comments	Advert creation and publication doesn't work causing failure.

Identifier	UtilityVA7
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as owner company and view their pending advertisement.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Advertisement details available.
Actual Outcome	Null pointer exception.
Additional Comments	Advert creation and publication doesn't work causing failure.

Identifier	UtilityVA8
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as some employer and view another's pending advertisement.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Advertisement details available.
Actual Outcome	Null pointer exception.
Additional Comments	Advert creation and publication doesn't work causing failure.



## 2.8 View Student Detail

Identifier	UtilityVS1
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator and view a student.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Student details available.
Actual Outcome	Null pointer exception.
Additional Comments	No students exist in system and none can be added.

Identifier	UtilityVS2
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as course coordinator and view a nonexistent student.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Pass
Expected Outcome	Nothing, student doesn't exist.
Actual Outcome	Nothing, student doesn't exist.
Additional Comments	No students exist in system and none can be added.

Identifier	UtilityVS3
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as employer and view a student.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Student details unavailable, employers cannot view students.
Actual Outcome	Null pointer exception.
Additional Comments	No students exist in system and none can be added.

Identifier	UtilityVS4
Date Tested	18/02/2013
Tester	Gordon Reid - 1002536r
Description	Login as student and view a student.
Setup	None possible - unable to add own users or modify them.
Pass/Fail	Fail
Expected Outcome	Student details unavailable, students cannot view students.
Actual Outcome	Null pointer exception.
Additional Comments	No students exist in system and none can be added.

## 3 Summary

### 3.1 Supplied Data

The implementation supplied was incomplete with `assignAcademicVisitor()`, `recordVisitAssessment()`, and `createNewSelfSourcedRole()`. These methods however are not necessarily required for the must have use cases.

The implementation has no compiled JavaDoc and, after inspection, the implementation lacks JavaDoc entirely.

There was a large block comment specifying usernames contained within the system however only the course coordinator information was supplied. Secondly, the team's tests used a different user name for student (100000 instead of stu) however neither successfully login.

There was also no build directory and thus no `INSTALL.txt`.

In addition, there was no `README.txt` to know how to contact the team. The team looked out to the third year computing science Facebook group to contact the team. This was successful however the team themselves were not entirely sure how the implementation worked.

These issues meant that modifying our test set up was impossible to conduct while maintaining the black box testing benefits.

### 3.2 Overall test results

The entire test suite comprised of forty test cases. Of those there were two failures and twenty seven errors (all `java.lang.NullPointerException`).

The test cases which passed are exhaustively listed below:

1. Student login with incorrect password.
2. Student login with incorrect username.
3. Employer login with incorrect password.
4. Employer login with incorrect username.
5. Course Coordinator login with correct credentials.
6. Course Coordinator with incorrect password.
7. Course Coordinator with incorrect username.
8. Course Coordinator notifying they have accepted an internship.
9. Course Coordinator submits an advertisement.
10. Course Coordinator tries to view details of a nonexistent student.
11. Course Coordinator registers a new employer.

### **3.3 Failed Use Cases**

#### **3.3.1 Approve Accepted Offer**

The approve accepted offer fails because login fails. Login fails because the supplied data for student and employers appears to be incorrect and there is no way to set up a user.

#### **3.3.2 Login**

The login use case failed for students and employers. As we were only able to use the supplied data, the failing cannot be entirely verified. One can only assume that the supplied data for students and employers is incorrect.

#### **3.3.3 Notify Accepted Offer**

The notify accepted offer fails because login fails. Login fails because the supplied data for student and employers appears to be incorrect and there is no way to set up a user.

#### **3.3.4 Publish Advertisement**

The publish advertisement use case fails because login fails. Login fails because the supplied data for student and employers appears to be incorrect and there is no way to set up a user.

In addition to this there is an assumption that the advertisement to be published exists. If publishing a non-existent advertisement is attempted the application crashes from a null pointer exception.

#### **3.3.5 Register Employer**

The publish advertisement use case fails because login fails. Login fails because the supplied data for student and employers appears to be incorrect and there is no way to set up a user.

#### **3.3.6 Submit Advertisement**

The submit advertisement use case fails because login fails. Login fails because the supplied data for student and employers appears to be incorrect and there is no way to set up a user.

#### **3.3.7 View Advertisement**

The submit advertisement use case fails because login fails. Login fails because the supplied data for student and employers appears to be incorrect and there is no way to set up a user.

In addition advert publication failing also causes the use case to fail.

#### **3.3.8 View Student Detail**

The view student use case fails because there are no students in the system and none can be added.