University of Glasgow | Department of Computing Science

D8.3: CHANGE REPORT

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Project	PSD3 Group Exercise 2
Team	W
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Contents

1   Introduction

1.1   Identification

This is the change report completed by Team W detailing changes to the internship management system. 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

D8.4 Task Description:
`http://fims.moodle.gla.ac.uk/file.php/128/coursework/maintenance_d8.4.pdf`
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 Change Report based on the updated requirements detailed in the D8.4 handout.

2 Major Changes

2.1 Student and StudentImpl

The most fundamental change in the internship management system was altering the number of internships a student could have. This required several key changes in the Student interface and the StudentImpl class that implements this interface. First and foremost, the single internship stored in a student object was replaced with a HashMap of internships. This was modelled after the way the adManager stores adverts, complete with a counter that both counts the number of internships have been accepted and allows us to return the most recently accepted internship (vital for the InternMan method approveAcceptedOffer()). The Student now returns the HashMap of internships rather than the single one. Adding an internship now checks that the new internship does not overlap any of the students existing ones, as per the change specifications. Similarly, a private method was created that calculates whether a student has enough internships to fill 12 weeks and a getter created to return the results of this method. The abstraction here was to keep the public methods relatively short and readable.

2.2 AdminInterface and Admin

The change in the way we get internships had various ripple effects throughout the system. The method approveOffer(String matriculation) was extended with an Integer identifier parameter to allow the user to specify which internship to approve. The method assignAcademicVisitor() was also altered to set the visitor in every one of the students internships, as the documentation states that for a student all internships will have the same visitor. RecordVisitorAssessment() was changed such that it adds the information to the most recently accepted internship.

2.3 Test Cases

A few

3 Summary