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.

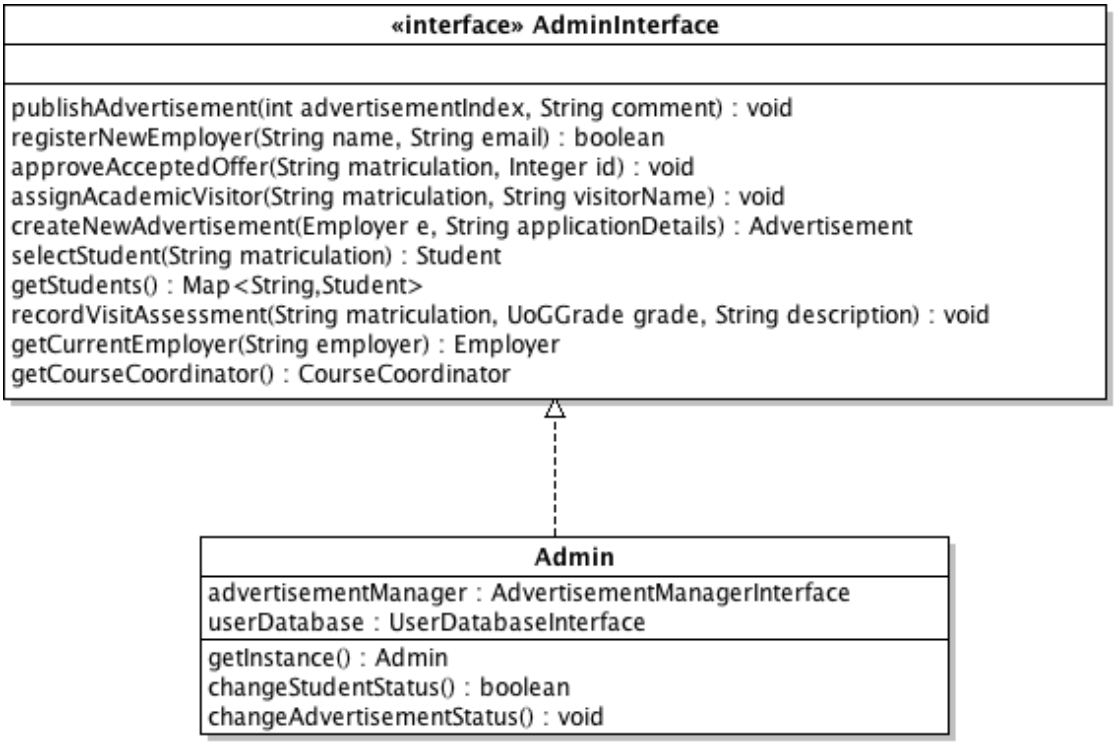
2 Major Changes

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 InternManTeamW

The changes to this class were minor. createNewSelfSourcedRole() submits the role to the first internship in the students map and approveAcceptedOffer()'s javadoc was expanded.

2.4 Test Cases

The ApproveAcceptedOffer, NotifyAcceptedOffer and ViewStudentDetail test cases all needed slight modifications to deal with the change to StudentImpl's getInternship() method. The cases were all given a minor fix and now get the first internship accepted by a student. Further modifications are outside the scope of the given changes.

3 UI Commands

ApproveOfferCommand and ViewStudentSummaryCommand were both altered to deal with changes made in the system, with ApproveOffer now approving the latest internship and ViewStudentSummary now printing the basic details of all the students internships. ViewStudentDetail was significantly expanded to conform to the Use Case given in the D8.4 handout. It displays each students internship status and, if it is approved, writes out the data specified in the handout, including the individual grade and assessments.

4 Further Changes

The changes to the system do warrant some further changes. In particular, the test cases should be updated to test the internship acceptance/approval functionality in cases where the student has more than one internship. The date checking within StudentImpl should be thoroughly tested to ensure accuracy. The API has not been changed in any way that will be noticable to users and so does not need any changes.