APPENDIX H

USE CASE SPECIFICATIONS for GRADUATE DEVELOPMENT PROGRAM

Actors

There are three system actors in this case study:

- Admin staff
- Academics
- Faculty Admin Staff

Admin staff may input single or batch student records, and generate reports. Academics may also input data and generate reports to review student progress. Faculty Admin staff may also wish to generate report.

The goals that the actor would wish to achieve when interacting with the system are:

- Record GDP outcome for an individual student
- Record GDP outcomes for a batch group of students
- Generate reports on GDP outcomes
- Export report results to Excel

Use case descriptions, with Actions and Data

Use Case: *"record GDP outcome for an individual student"*

> Actor requests to search for a student, providing one or more of
>> Student Number, Surname, Forename, Date Of Birth
>
> IF one match is found
>> System displays Student Details, including
>>> Student Number, Surname, Forename,
>>> Person Details, Student Details, Award Registrations,
>>> Address Details, Contact Details, User ID Details
>
> ELSE more than one match found
>> System displays all matches
>> Actor selects student

System displays Student Details, including

Student Number, Surname, Forename,

Person Details, Student Details, Award Registrations,

Address Details, Contact Details, User ID Details

Actor requests GDP Details for student

System displays GDP Details for student, including

Attendance, Statement, Review, RPE, Completed, User ID, Date

Actor requests to set one or more GDP Details for student, including

Attendance, Statement, Review, RPE

System sets requested GDP Details

System applies rules (see RULES below)

If any of rules 1, 2, 3, 4, 5 are true

System sets Completed true

System records User ID who made the update

System records Date update performed

Actor requests to save changes

System saves changes

RULES:

1. IF Attendance is set and Statement is set THEN true
2. IF Attendance is set and Review is set THEN true
3. IF Statement is set and Review is set THEN true
4. IF Review is set THEN true
5. IF RPE is set THEN true

Actions:

RetrieveStudentList

Uses: StudentNumber, Surname, Forename, DateOfBirth,

PersonDetails, AwardRegistrations, AddressDetails,

ContactDetails, UserIDDetails

RetrieveGDP

    Uses: StudentNumber, Attendance, Statement, Review, RPE,

                Completed, UserID, Date

SetGDP

    Uses: StudentNumber, Attendance, Statement, Review, RPE

ApplyRules

    Uses: Rule1, Rule2, Rule3, Rule4, Rule5

                Attendance, Statement, Review, RPE,

                Completed, UserID, Date

SaveGDP

    Uses: StudentNumber, Attendance, Statement, Review, RPE,

                Completed, UserID, Date

Data:

StudentNumber

Surname

Forename

DateOfBirth

PersonDetails

AwardRegistrations

AddressDetails

ContactDetails

UserIDDetails

Attendance

Statement

Review

RPE

Completed

UserID

Date

Rule1

Rule2

Rule3

Rule4

Rule5

Use Case: *"Record GDP outcomes for a batch group of students"*

Actor requests to update GDP Details of a batch (or group) of students,
    providing School (mandatory), Primary Award, Primary Target,
    RAG (mandatory), RASP, GDP Level (mandatory)

System provides a set of Student Details matching search criteria, including
    Student Number, PA Code, RAG, RASP

Actor selects individual student(s) from search results

Actor requests to set one or more GDP Details for selected students, including
    School, PrimaryAward, PrimaryTarget, RAG, RASP, GDPLevel,
    PACode

System sets requested GDP Details for selected student(s)

System applies rules (see RULES previously)
    If any of rules 1, 2, 3, 4, 5 are true
        System sets Completed true for selected student(s)
        System records User ID making the update for selected student(s)
        System records Date update performed for selected student(s)

IF Actor wishes, *EXTEND TO* "Export Results to Excel"

Actor requests to save changes

System saves changes

Actions:

RetrieveGroupOfStudents
    Uses: School, Primary Award, PrimaryTarget, RAG, RASP,
        GDPLevel, PACode, StudentNumber

H - 4

SetGDPForGroup

    Uses: StudentNumber, Attendance, Statement, Review, RPE

ApplyRules

    Uses: Rule1, Rule2, Rule3, Rule4, Rule5

            Attendance, Statement, Review, RPE,

            Completed, UserID, Date

SaveGDPForGroup

    Uses: School, PrimaryAward, PrimaryTarget,

            RAG, RASP, GDPLevel, PACode

Data:

    School

    PrimaryAward

    PrimaryTarget

    RAG

    RASP

    GDPLevel

    PACode

Use Case: *"generate reports on GDP outcomes"*

    Actor selects pre-determined GRT template

        either Faculty Template or Primary Award Template

    System displays pre-determined details for GRT template, including

        Faculty Parameter, Student Number Parameter,

        PA Code Parameter, PA Reg Status Parameter,

        RAG Parameter, RASP Parameter, Academic Year Parameter

    System displays optional GDP Details for GRT template, including

        Level Parameter, Attendance Parameter, Statement Parameter,

        Review Parameter, RPE Parameter, Completed Parameter

Actor selects optional GDP details to narrow down, including

 Level Parameter, Attendance Parameter, Statement Parameter,

 Review Parameter, RPE Parameter, Completed Parameter

Actor provides mandatory field values, including

 EITHER Faculty Parameter

 OR PA Code Parameter AND Academic Year Parameter

IF Actor wishes

 Actor requests to save Report Template Details, including

  pre-determined and optional GDP details

 System saves Report Template Details

ELSE

 Actor requests to generate report

 System generates report

 System displays report in Excel

Actions:

 RetrieveReportTemplate

  Uses: FacultyTemplate, PrimaryAwardTemplate,

   FacultyParameter, StudentNumberParameter, PACodeParameter,

   PARegStatusParameter,

   RAGParameter, RASPParameter, AcademicYearParameter

 SetOptionalReportParameters

  Uses: LevelParameter, AttendanceParameter, StatementParameter,

   ReviewParameter, RPEParameter, CompletedParameter

 SaveReportParameters

  Uses: FacultyTemplate, PrimaryAwardTemplate,

   FacultyParameter, StudentNumberParameter, PACodeParameter,

   PARegStatusParameter,

   RAGParameter, RASPParameter, AcademicYearParameter,

LevelParameter, AttendanceParameter, StatementParameter,
ReviewParameter, RPEParameter, CompletedParameter

GenerateReport

Uses: StudentNumber, Surname,
Forename,DateOfBirth, PersonDetails,
AwardRegistrations, AddressDetails, ContactDetails,
UserIDDetails, School, Primary Award, PrimaryTarget, RAG,
RASP, GDPLevel, PACode, StudentNumber

Data:

FacultyTemplate

PrimaryAwardTemplate

FacultyParameter

StudentNumberParameter

PACodeParameter

PARegStatusParameter

RAGParameter

RASPParameter

AcademicYearParameter

LevelParameter

AttendanceParameter

StatementParameter

ReviewParameter

RPEParameter

CompletedParameter

SUMMARY

Number of actions is: 12

Number of data is: 43

Number of uses is: 121

Use Case: Export Results to Excel

Actor requests to export results to Excel

System takes all student information found by previous search

System exports student GDP Details

System launches Excel

System displays results in Excel Spreadsheet