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