University Use Cases

Thursday, January 23, 2014

3:28 PM

Querying

Print Transcript

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| Actions performed by the actor | Responses from the system |
| * 1. A student needs a copy of their transcripts for various reasons. He/she requests the transcript from the clerk |  |
| * 1. The clerk issue a request for a new instance of student transcript |  |
|  | * 1. The system asks for the student ID. |
| * 1. The clerk enters the student ID. |  |
|  | * 1. If the ID is valid, the system displays the transcript for the student |
| * 1. The clerk prints off the transcript (if needed) and gives the student their copy, and indicates to the system that they are done. |  |
|  | * 1. The system returns to a neutral state. |

Get section information

Adding

Add Faculty

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| Actions performed by the actor | Responses from the system |
| * 1. A new professor is hired by the university. The HR department gives their name, department, etc. |  |
| * 1. The clerk requests a new instance of Add Faculty from the system. |  |
|  | * 1. The system requests the faculty name, department, etc. |
| * 1. The clerk enter the name, department, etc. |  |
|  | * 1. The system generates a unique faculty ID and creates a new faculty object with the provided data. The system then displays the data and asks for confirmation that it is correct. |
| * 1. The clerks enters "yes" to confirm or "no" to re-enter |  |
|  | * 1. If a negative response is received, go to step 3. Otherwise save the data and output a confirmation message. The system then returns to a neutral state. |

Add Course

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| Actions performed by the actor | Responses from the system |
| * 1. A professor wants to create a new course in the system that he/she is teaching. He/she asks the clerk to add the course. |  |
| * 1. The clerk requests that a new course be added. |  |
|  | * 1. The system prompts for a course name. |
| * 1. The clerk enters the course name specified by the professor. |  |
|  | * 1. The system checks for the existence of a course with the same name. If one is found, the system outputs an error and goes to step 3. If no existing course is found, the system saves the course information and generates a unique course ID. The system then returns to a neutral state. |

Connections

Register for a section

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| Actions performed by the actor | Responses from the system |
| * 1. A professor wants to assign a grade to a student taking his/her course. He/she asks the clerk to set a grade for a given student ID and section ID. |  |
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Assign grades

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| Actions performed by the actor | Responses from the system |
| * 1. A professor wants to assign a grade to a student taking his/her course. He/she asks the clerk to set a grade for a given student ID and section ID. |  |
| * 1. The clerk invokes the grade assignment feature of the system |  |
|  | * 1. The system prompts for a student ID, section ID, and grade |
| * 1. The clerk enters the information provided by the professor. |  |
|  | * 1. The system validates the data by making sure the student is enrolled in the course and checking the grade for valid values. If the data is valid, the system saves it and returns to a neutral state. If not, the system outputs an error and returns to step 3. |