Actors

* Students
* Lecturers and Tutors
* Deans and Head of Departments
* System Administrators
* Student Academic Record Unit

Scenarios

1. Scenario name: displayRecommendedCourses

Actor instances: Student, Degree Audit Records and Student Academic Record Unit

Flow of events:

1. Upon selection, the user is required to input the corresponding number.
2. Degree Audit Records and Student Academic Record Units are accessed for student’s course information.
3. This information is fed into an algorithm that generates a list of mandatory courses with possible options for the remaining course slots.
4. The course list is presented to the student
5. Scenario name: degreeWarningPrompt

Actor instances: Student, Degree Audit Records and Student Academic Record Unit

Flow of events:

1. The system accesses the Degree Audit Records to obtain the requirements needed for graduation.
2. The Student Academic Record Units are used to access student’s transcript information.
3. A semester-bound minimum requirement specification is generated using the Degree Audit Records.
4. The transcript information goes through a comparison test against the minimum requirement specification.
5. If the test is failed, the student is notified immediately or upon login
6. Else, nothing else is done and the checks continuously runs.
7. Scenario name: requirementToWithdrawal

Actor instances: Student, Degree Audit Records and Student Academic Record Unit

Flow of events:

1. The system accesses the Degree Audit Records and Student Academic Record Unit.
2. Based on the Requirements to Withdrawal in the Student Academic Record Unit, if the student falls within this category, they are notified immediately and flagged upon login.
3. Degree Warning Prompts are actively issued to avoid reaching this status.

4. Scenario name: viewTranscript

Actor instances: Student Academic Record Unit, Students, Lecturers, Tutors, H.O. Ds and Deans

Flow of events:

1. Upon selection, the system accesses the Student Academic Record Unit for student’s transcript information.
2. This information is used to create a report as a downloadable PDF file.
3. This document is presented to the corresponding user.

5. Scenario name: getDegreeStatus

Actor instances: Students and Student Academic Record Unit

Flow of events:

1. Student Academic Record Unit are accessed for student’s course information.
2. When accessed, a statistical formula is used to calculate a student’s projected GPA score.
3. In addition, the previous semester and overall GPA score information is found.
4. A report is generated using this information as a downloadable PDF file.
5. This report is displayed to the student.

6. Scenario name: getDegreeAudit

Actor instances: Students and Degree Audit Records

Flow of events:

1. The student’s fetched information from the Degree Audit Records is generated as a downloadable PDF file.
2. This report is displayed to the student.

7. Scenario name: communicateWithAdvisor

Actor instances: Students and displayRecommendedCourses

Flow of events:

1. An advisor (lecturer or tutor) account is associated/assigned to set of students for advising.
2. Upon selected, the assigned advisor information is presented to the student.
3. A confirmation is presented to the student.
4. Once confirmed, the student can post any comments, questions or queries as it relates to the feedback received from the recommended course selection page on the forum.
5. If the student posts, an acknowledgment is sent to the student that the post has been successfully submitted to their advisor.
6. Any feedback received from the forum is alerted to the student immediately or upon login.

8. Scenario name: adviseStudent

Actor instances: Lecturers/Tutors and viewTranscript

Flow of events:

1. Upon login, teachers are notified of incoming advising feed to addressed.
2. Upon selection of posts, advisors are directed to the forum.
3. A viewTranscript option is presented where advisors can access that particular student’s transcript
4. This used to help personalize advice and gain better understanding of the student.
5. When the lecturer posts, an acknowledgment is sent to the lecturer that the post has been successfully submitted to the student.
6. Any feedback received from the forum is alerted to the advisor immediately or upon login.