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Advanced Programming

Graduation-Tracker Use Case (Admin) Version 1.0

Use Case: Maintain tool and keep information up to date

Primary Actor: Website Administrator

Scope: Graduation Tracker

Level: User goal

Brief: The website administrator updates university changes to courses descriptions, requirements and availability

Stakeholders: Students, Faculty, Website Administrators

Postconditions: Front-end is updated when course information changes

Preconditions: Website administrator has access to source code to make necessary changes

Triggers: Inaccurate course descriptions or schedule information from university

Basic flow:

1. Choose degree program

2. Select courses

3. Calculate credits

4. Press "Course Schedule"

5. Populate schedule

6. Save inputs from each student in the browser

Extensions: … (variations on basic flow)

1. MBA or Undergraduate (minor option available)
2. Core courses will be auto populated to show 12 credits needed. User will check the box when they have completed the course which will deduct the credits from that section. The remaining sections will have needed and completed checkboxes and dropdown options for choice selection.
3. Each section will have a subtotal of credits needed to graduate. At the end of the first page, the credits needed subtotals will be summed up.

4. On click of course schedule button, the scheduler will appear and the user can create mock schedules based on available courses and courses already completed by student.
5. Those courses will be added to a calendar for the specified semester.
6. Code to save the inputs of a student's information to avoid having to fill in the information each time.

Use Case Diagram

Update and maintain Available Degree Programs at PPU for Undergraduate Students and Graduate Students

Update and maintain available courses in each degree program for accurate credit calculation

Update and Maintain available course schedules by term for course selection accuracy in scheduler

Website Administrator

Ensure the user's (student/faculty) information is stored in the browser