**Survey, feedback, and performance metrics of a university**

* Our model's ranking is divided into two levels. The first is at the student survey level, while the second is from the alumni’s success level after passing out.
* Alumni of the college who have been out of work for 5 years are given a survey that includes questions on their current employment situation. "Current job position, ''Relevance of their college courses to the current job profile and work, "Number of promotions gained," and finally, "Current pay" are all taken into consideration.
* An incoming student can take a decision regarding the department/ courses to be taken by analyzing the course reviews and alumni feedbacks.
* The result is evaluated by the department of the University.
* These ratings are then used to rank different courses, faculty, departments and analyze the scope for development.
* In the case of a college context, Current Students are given feedback.
* Questions on the feedback form include "Faculty Rating," "Course Rating," "Assignment Quality," "Department facilities," and "Research Work."
* These rating questions are used to assess the overall course and faculty performance. Each question is graded on a scale of 1 to 5. The final average score for a course is calculated by dividing the sum of scores by the total number of students who completed the feedback form. This score is sent to the department administrator.
* The College Administrator then assesses this score. The rank of the Course, Department, and Faculty and then can analyze the drawbacks of each course if there are any so that they can work toward improving.

**UML Diagram**

Timeline

Description automatically generated with medium confidence

**Sequence Diagram**

Diagram

Description automatically generated

**Importance of each class**

**Department:**

* The Department is in charge of keeping track of students, faculty, alumni directories and course catalogs. Alumni’s job history, Employers’ array list which hired the alumni are also part of department.
* The Department receives the specifics of the Course feedback from the students and records the jobs, employers list of the alumni.

**Course Catalog:**

* Every department has its own catalog of courses.
* The Course Catalog is an array list that contains all of the Department's accessible courses. It also keeps track of the specifics of each course.

**Courses:**

* A course is a class that contains all the information about the Department's courses.
* The information from these classes will be beneficial in the Review class, which will eventually assist the Department class in making judgments about the courses they offer.

**Course offering:**

* The Course Offering class offers information on the courses provided by a specific Faculty during a given semester.
* It offers information about the specific Course's timings and locations.
* It depicts the scenario for a specific class's total seats available and seats occupied out of those seats.

**Student Directory:**

* The Department Student Directory that contains all of the students that are currently enrolled in the department
* It offers basic information about the students enrolled in that department's courses.

**Student Profile:**

* The student profile is made up of information submitted by the student as well as information updated by the university in order to provide complete information about the student.
* It also includes the student's existing course load as well as the new course load for the semester.
* Student profiles keep track of their academic records, transcripts, and accounts.

**Transcripts:**

* The Transcript class stores all of the information on the courses that a student studied while at university.
* It offers information about a certain Student's grades for each subject in each semester.

**Faculty:**

* The Faculty class keeps track of the faculty members at a specific college's department.
* Feedback Class utilizes the information of Alumni who attended a specific Faculty, and this information will be valuable to a specific Department in making judgments about that Faculty.

**Person directory:**

* Person directory has all the details of the persons (Students, Alumni, Faculty)
* This is the array list of person’s name, person’s ID.

**Alumni Directory:**

* Alumni directories can help schools keep alumni and former students in touch with one another and with the school.
* The Alumni directory is an array list that contains department and alumni list.
* A crucial feature of the alumni directory type is the ability to filter results by alumni relevant categories.
* It contains firstname and last name, graduation year, location and college.

**Alumni Profile:**

* It includes information about the individual's present life as well as reflections on how the program impacted their lives.
* The Alumni profile is an arraylist that contains employment history and graduation year.

**Course Survey:**

* All students are requested to complete surveys about the courses they have taken and the appropriate faculty as soon as the course is concluded. The College Administrator will be notified of this information.
* The surveys will be examined by a College Administrator, who will then take appropriate action against that Department's Faculty or Course.
* In a roundabout approach, this class will help to enhance the current state of the Courses or Faculty.

**Survey:**

* The Alumni Survey class is used to collect survey data from them about their current status.
* The survey asks alumni on their current job status, current wage, and the relevance of their college courses to today's job technology.
* Alumni are requested to complete the survey five years after graduating from a specific college.
* The Registrar and the College Administrator will get this survey and it will indirectly help improve the current state of the college

**Student Feedback:**

* The Feedback class is used to collect feedback from students on their courses and professors
* Current students, rather than alumni, provide feedback.

**Feedback:**

* All students are requested to submit feedback on the courses they have taken and the appropriate faculty as soon as the course is concluded. This data will be passed on to the College Administrator.
* The input will be examined by a College Administrator, who will then take appropriate action against that Department's Faculty or Course.

**Employer Directory:**

* The employer directory will include a wide variety of business kinds that can supply vocational knowledge.
* Employer directory consists of department and employer.
* It shows the information of alumni job roles and where they are placed.

**Jobs:**

* The Jobs class contains all of the department's current job openings and job offerings.
* It contains information on vacant or filled job openings.