Login

View Report Card

Student

Register for Courses

Course Catalog

User ◁—— Professor —— Select Courses to Teach

Submit Grades

Registrar

Maintain Professor Information

Maintain Student Information

Close Registration —— Billing System

Diagram Name: Architecturally Significant Use-Cases

A **REST API** is a way for two computer systems to communicate over HTTP in a similar way to web browsers and servers. Sharing data between two or more systems has always been a fundamental requirement of software development. For **example**, consider buying motor insurance.

Close Registration

Brief Description:This use case allows a Registrar to close the registration process. Course offerings that do not have enough students are cancelled. Course offerings must have a minimum of three students in them. The billing system is notified for each student in each course offering that is not cancelled, so the student can be billed for the course offering. The main actor of this use case is the Registrar. The Billing System is an actor involved within this use case.

Login

Brief Description:This use case describes how a user logs into the Course Registration System. The actors starting this use case are Student, Professor, and Registrar.

Maintain Professor Information

Brief Description:This use case allows the registrar to maintain professor information in the registration system. This includes adding, modifying, and deleting professors from the system. The actor of this use case is the Registrar.

Select Courses to Teach

Brief Description:This use case allows a professor to select the course offerings (date- and time- specific courses will be given) from the course catalog for the courses that he/she is eligible for and wishes to teach in the upcoming semester. The actor starting this use case is the Professor. The Course Catalog System is an actor within the use case.

Register for Courses

Brief Description:This use case allows a student to register for courses in the current semester. The student can also modify or delete course selections if changes are made within the add/drop period at the beginning of the semester. The Billing System is notified of all registration updates. The Course Catalog provides a list of all the course offerings for the current semester. The main actor of this use case is the student. The Course Catalog System is an actor within the use case.

View Report Card

Brief Description:This use case allows a student to view his/her report card for the previously completed semester. The student is the actor of this use case.

Submit Grades

Brief Description:This use case allows a professor to submit student grades for one or more classes completed in the previous semester. The actor in this use case is the Professor.

Maintain Student Information

Brief Description:This use case allows the registrar to maintain student information in the registration system. This includes adding, modifying, and deleting students from the system. The actor for this use case is the Registrar.