

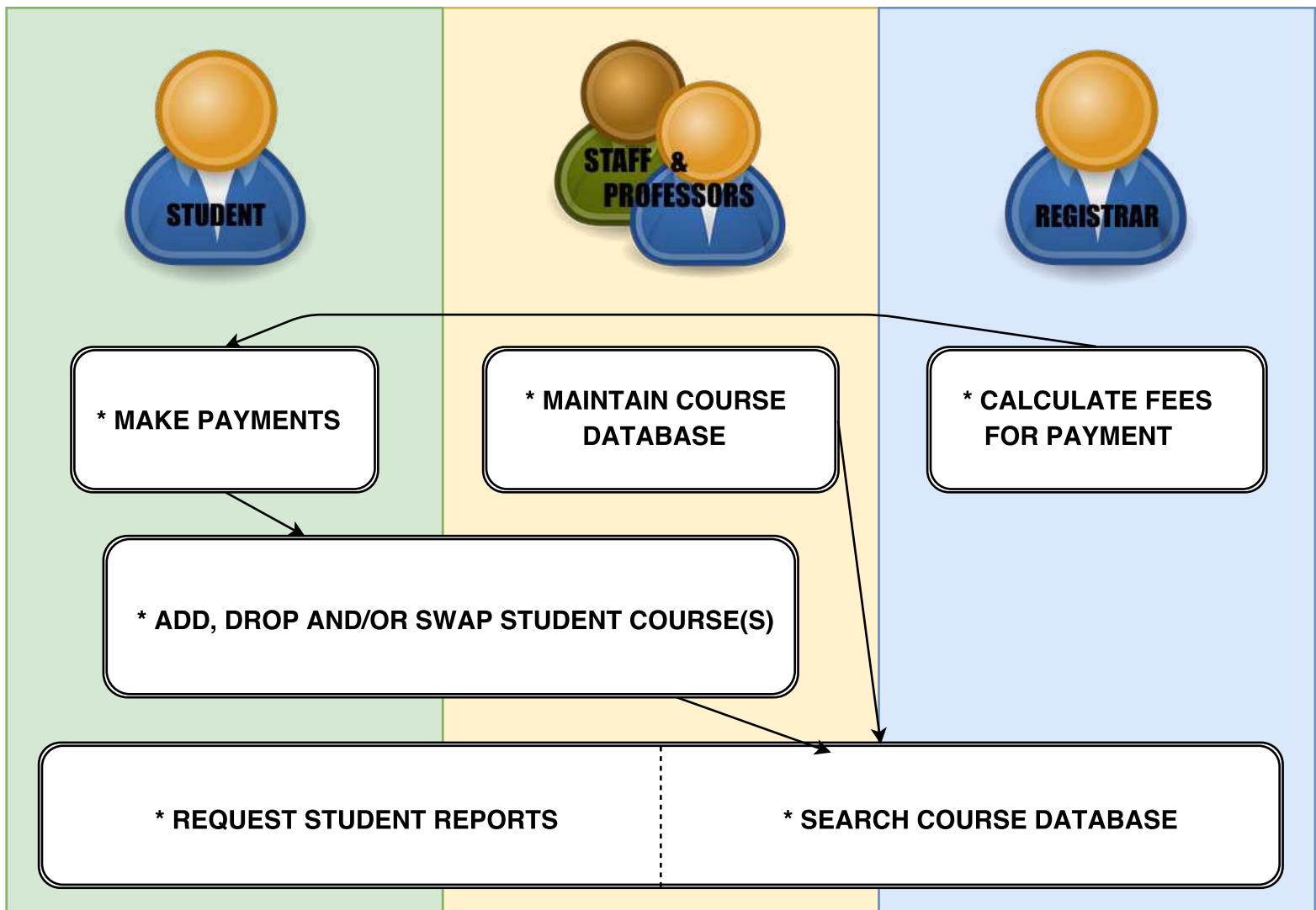
Online Course Registration System

Marketecture & Activity Diagrams

October 22, 2017

Submitted by:
Dexter Falcon
Leslie Cheung
Avijit Singh

Online Registration System: Marketecture



Overview

The online course registration system **facilitates the administrative needs of users in a university setting**. It supports three unique sets of permissions for each of its intended user groups: students, faculty, and registrars. The users' permissions shape their view of the system. Some of the components of the application are accessible only to a certain user group. Others can be used by multiple or all user groups.

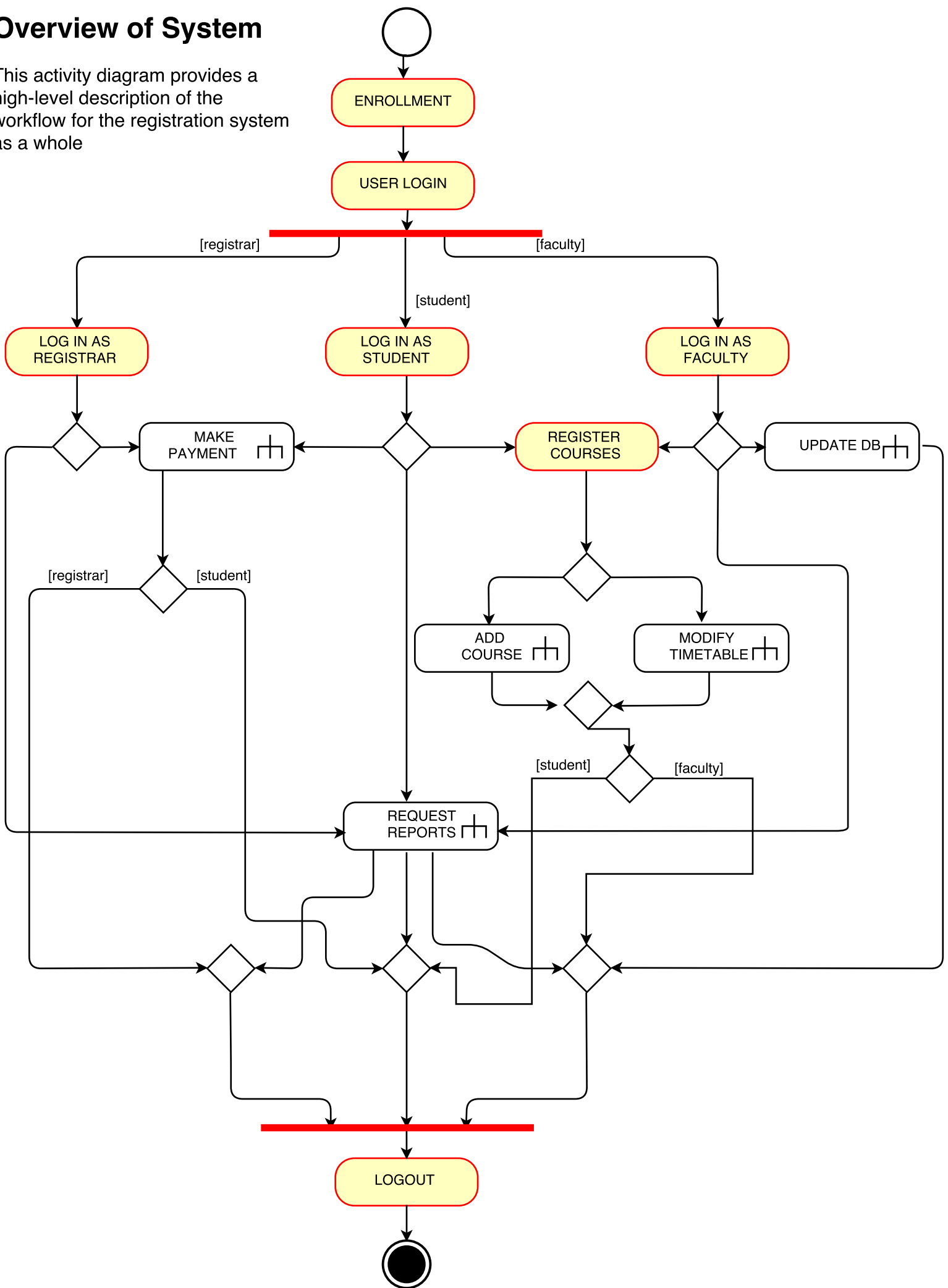
The marketecture diagram is divided into thirds to represent this idea, with each user group occupying a third. In the diagram, the system's functions are shown in rounded rectangular boxes under the users who may access them. Some of these boxes span across multiple user groups, which indicates that these components have shared accessibility.

It can be seen in the diagram that the system is used by students primarily to **register for/modify their courses** and **pay fees**. The primary use by faculty is to **maintain the course database** while registrars will mostly use the system to **process student payments**. Secondary uses of the system include **searching for courses** and **requesting reports**.

In order to function as a whole, some components interact with others within the system. Arrows are used in the diagram to make these relationships clear.

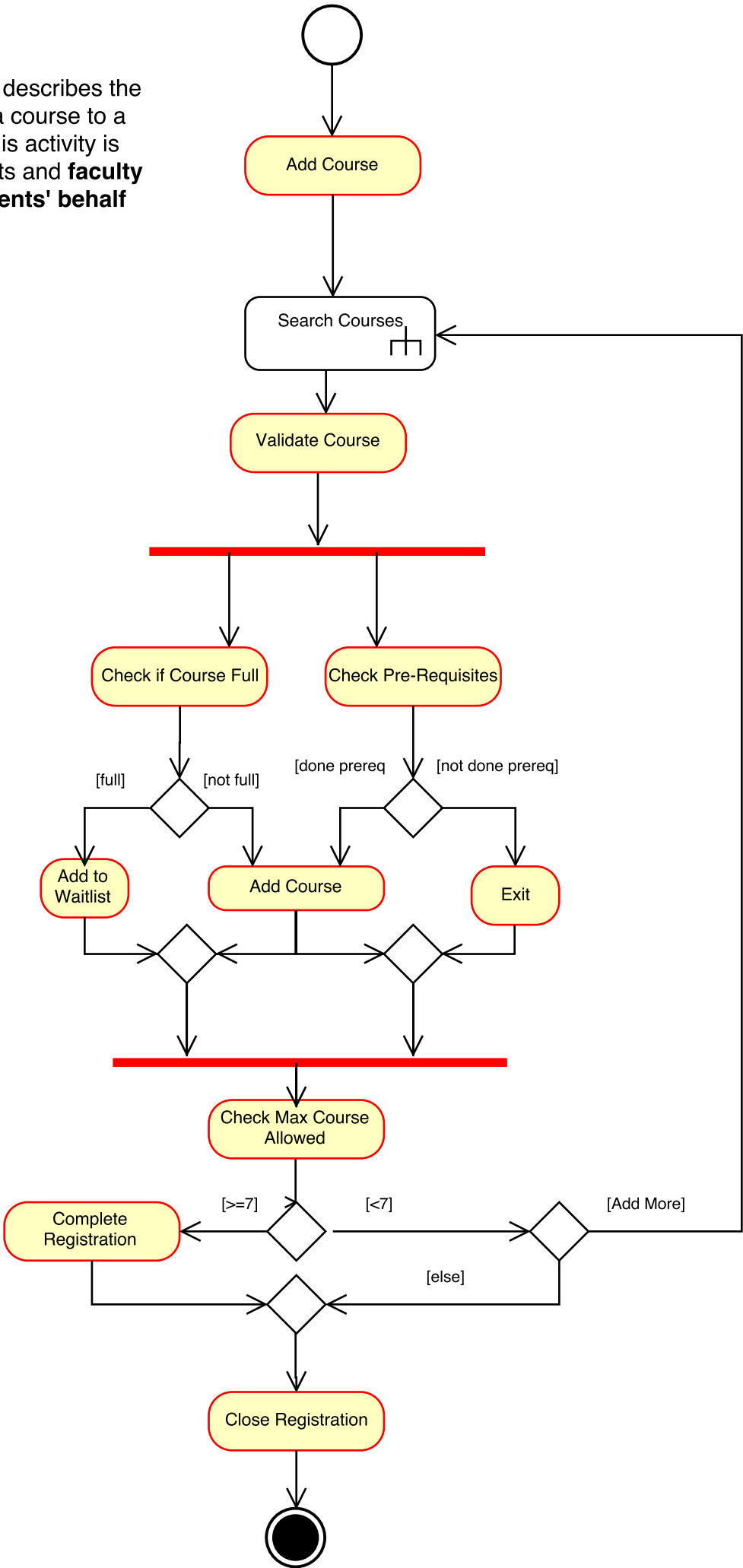
Overview of System

This activity diagram provides a high-level description of the workflow for the registration system as a whole



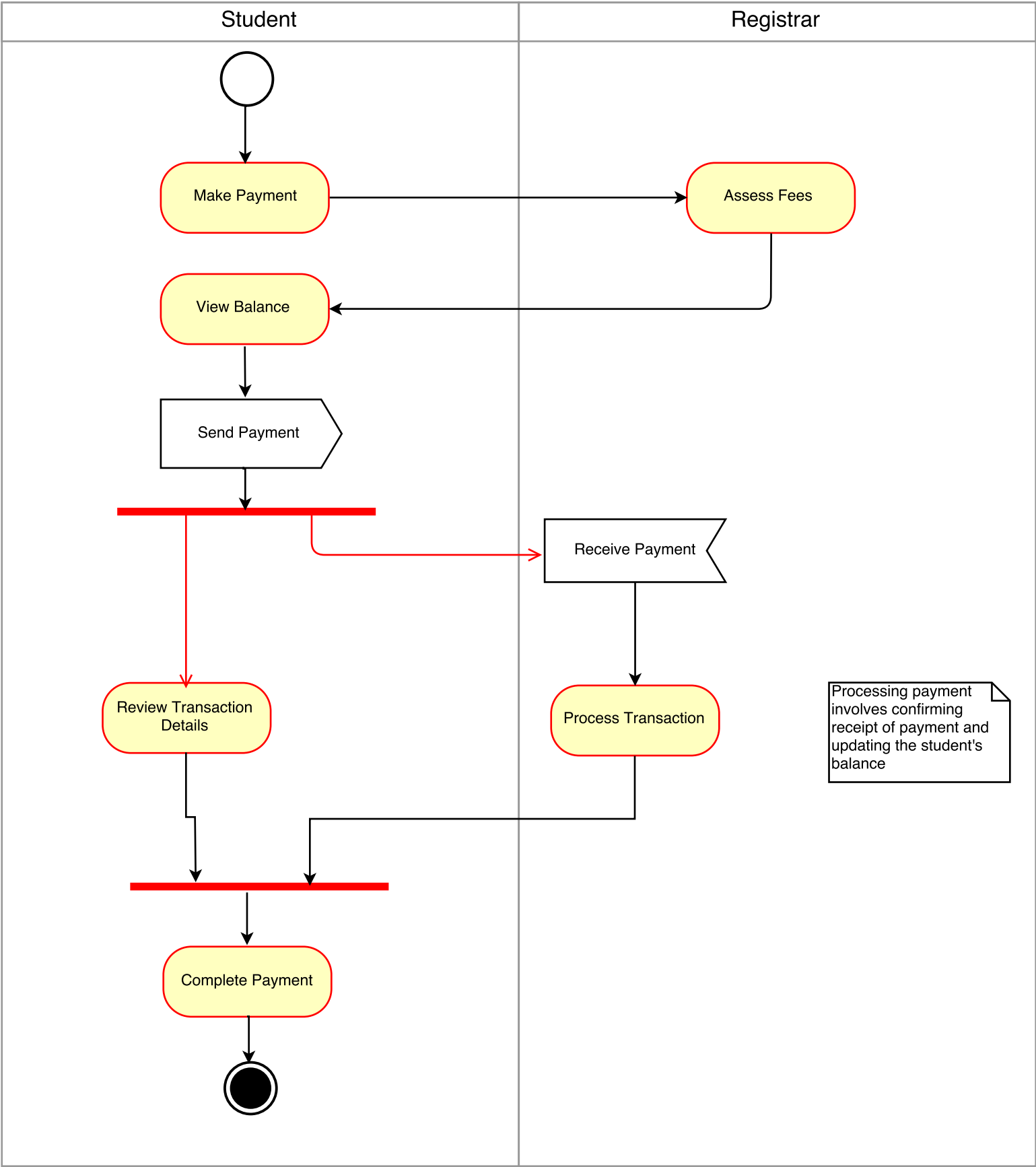
Add Course

This activity diagram describes the workflow for adding a course to a student timetable. This activity is performed by students and **faculty members on a students' behalf**



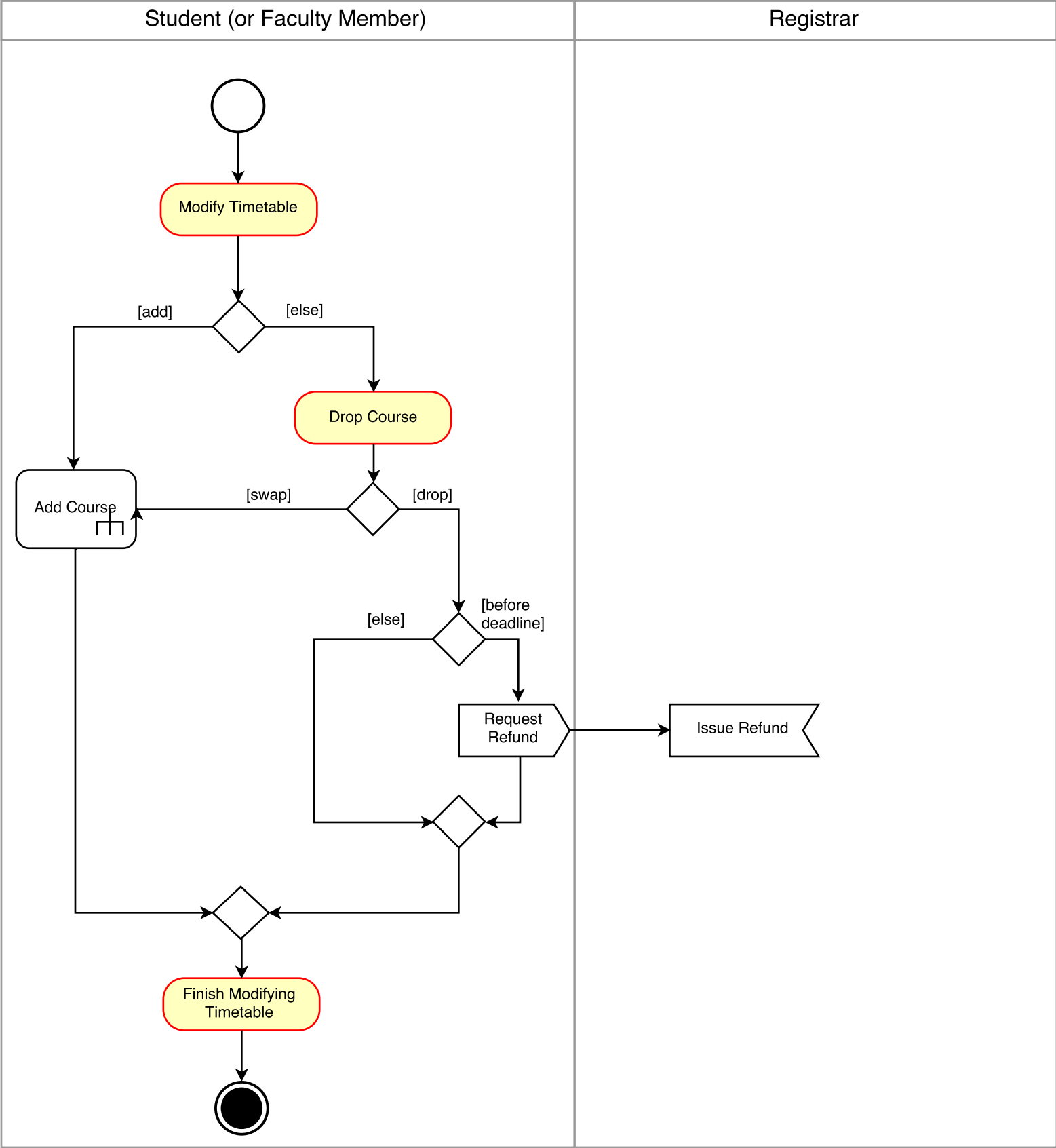
Make Payment

This activity diagram describes the workflow for paying for course fees. The activity is performed by students, with involvement from the registrar, who processes the payment



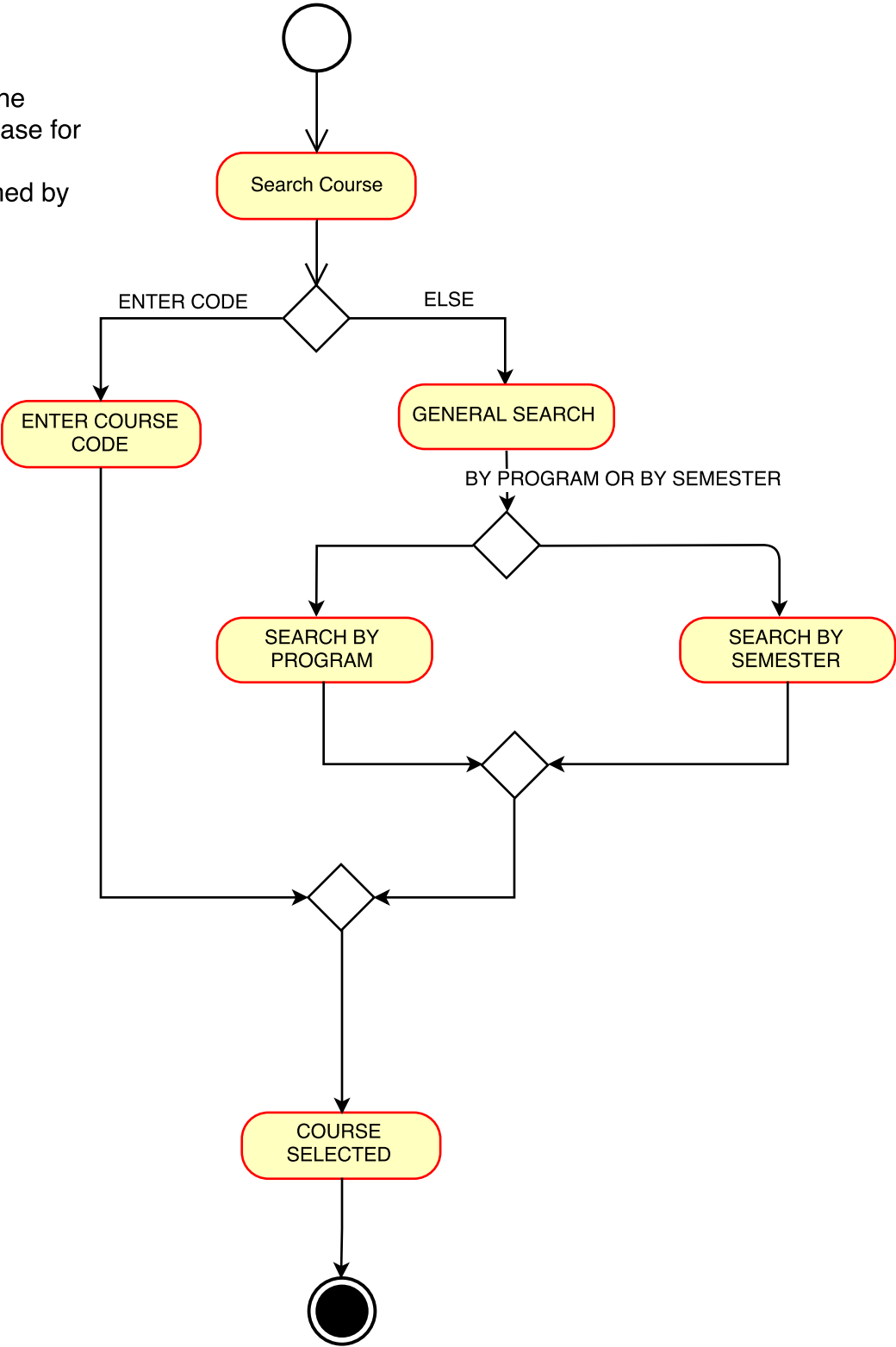
Modify Timetable

This activity diagram describes the workflow for making a timetable change which can include adding, dropping, or swapping courses. This can be performed by students or faculty members on a student's behalf



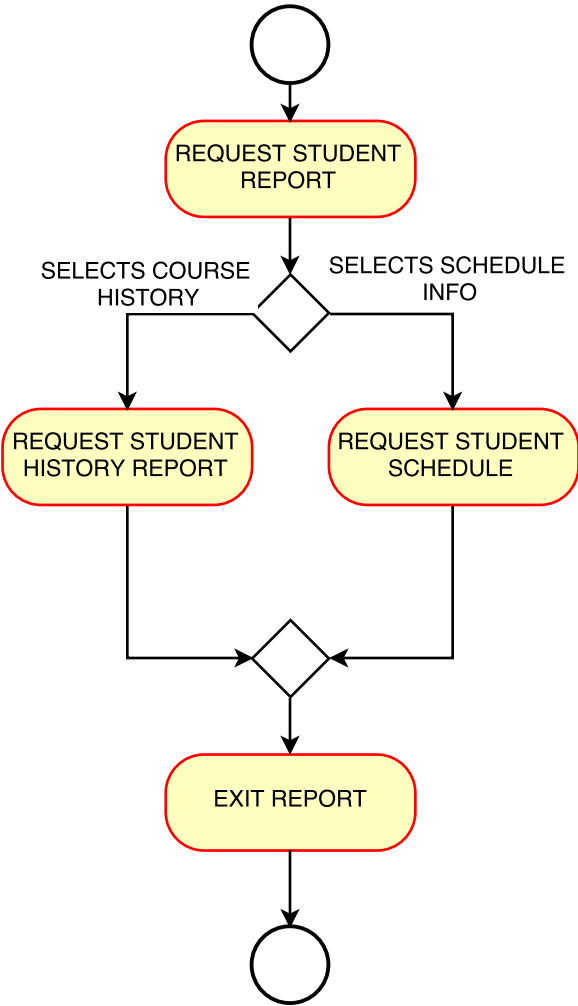
Search for Courses

This activity diagram describes the workflow for searching the database for specific courses offered at the university. The activity is performed by all users.



Request Report

This activity diagram describes the workflow of requesting and viewing progress reports for a student. This activity is performed by all users



Update Course Database

This activity diagram describes the workflow for changing the database of courses offered at the university. The activity is performed by faculty members

