

Project 2: 60-311

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Chapter 1: Introduction

1.1 Function

- This system is segmented into two portions for easier implementation;
- The first segment is used for the initial application of student applicants and their acceptance or rejection to the MSc program. When a student submits an application, this segment will run the application through the approval process and place the student into the Master's program if approved.
- The second segment is intended for the management of all the CS MSc students from their initial acceptance into the program until their completion of graduate studies. This segment of the program will allow management and progress tracking Graduate Students in their graduate studies.

1.2 How It Works With Other Systems

- Uwindsor email service
 - This program uses the uwindsor email service to send out email notifications to various uwindsor student accounts
- UWin account services
 - The UWin account service provides existing uwindsor students with login credentials that they may use to login to a variety of online services
 - We will use these same accounts to allow CS MSc students to login to our System
 - We interact with this system by sending any entered UWinIDs and passwords to it for verification and account security.
- MYuwindsor Course Registration
 - The MYuwindsor course registration already exists to provide student's with the capability to register to a set of classes each semester and provides the systems necessary to check for scheduling conflicts, prerequisites, course list, and a timetable
 - We will use this system to allow our graduate students to register for classes
- Uwindsor Cashiers' Office
 - The system will utilize the existing services from the Cashier's' Office to allow Applicants and Grad Student's to pay fees

1.3 How the System Fits into the Overall Business

- Currently, all the processes for applying to CS MSc and the management of CS MSc Graduate Students is either fragmented into different systems or performed manually.

- This system aims to connect all these fragmented systems together and allow for a more automated process.

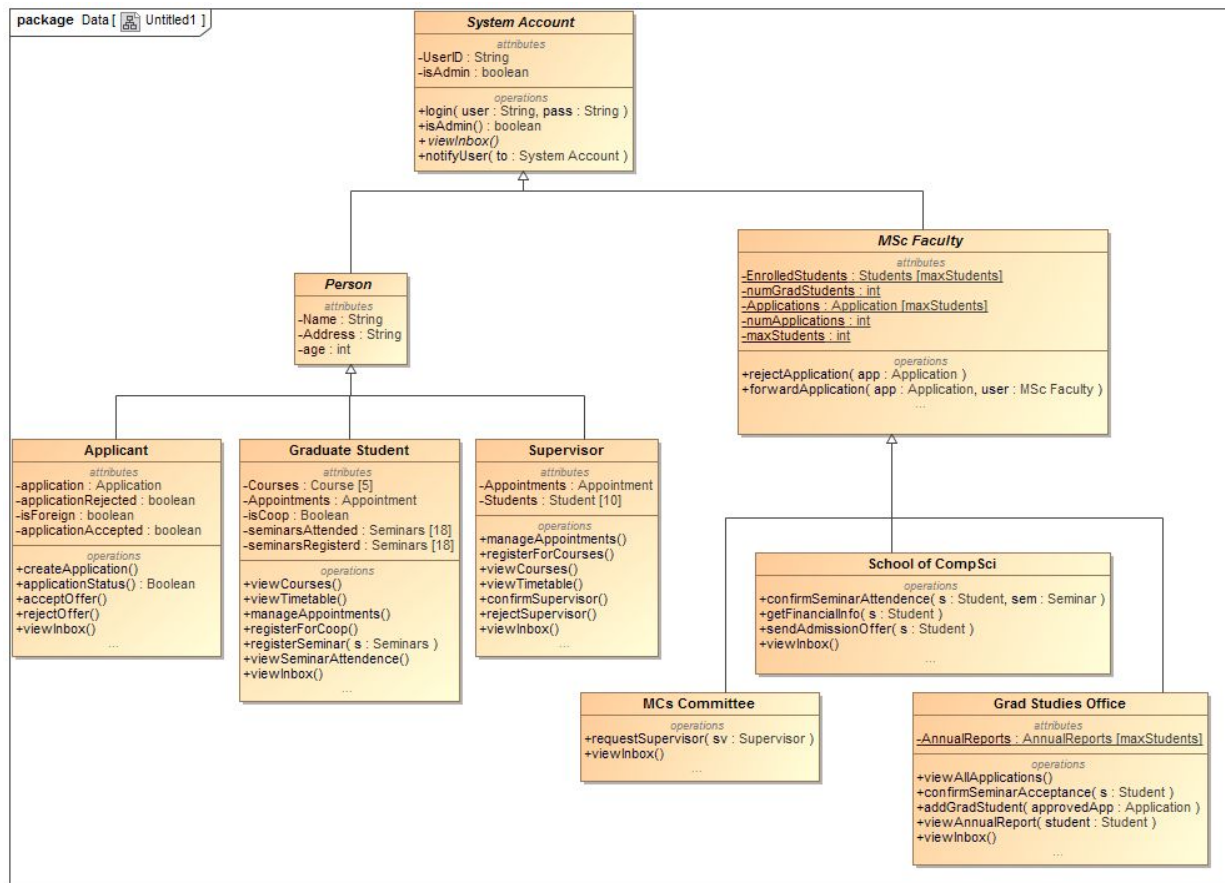
1.4 Strategic Objectives of the Organisation

- This system is intended to automate and track much of the systems needed to approve applicants and manage the Graduate Students in the MSc program.
- The goal of this system is to provide a intuitive and user friendly system that can be accessed online which allows login access for all users involved in the management of MSc studies. Ultimately the system hopes to make the Graduate Studies process faster and more transparent.

Chapter 2: Class Diagrams

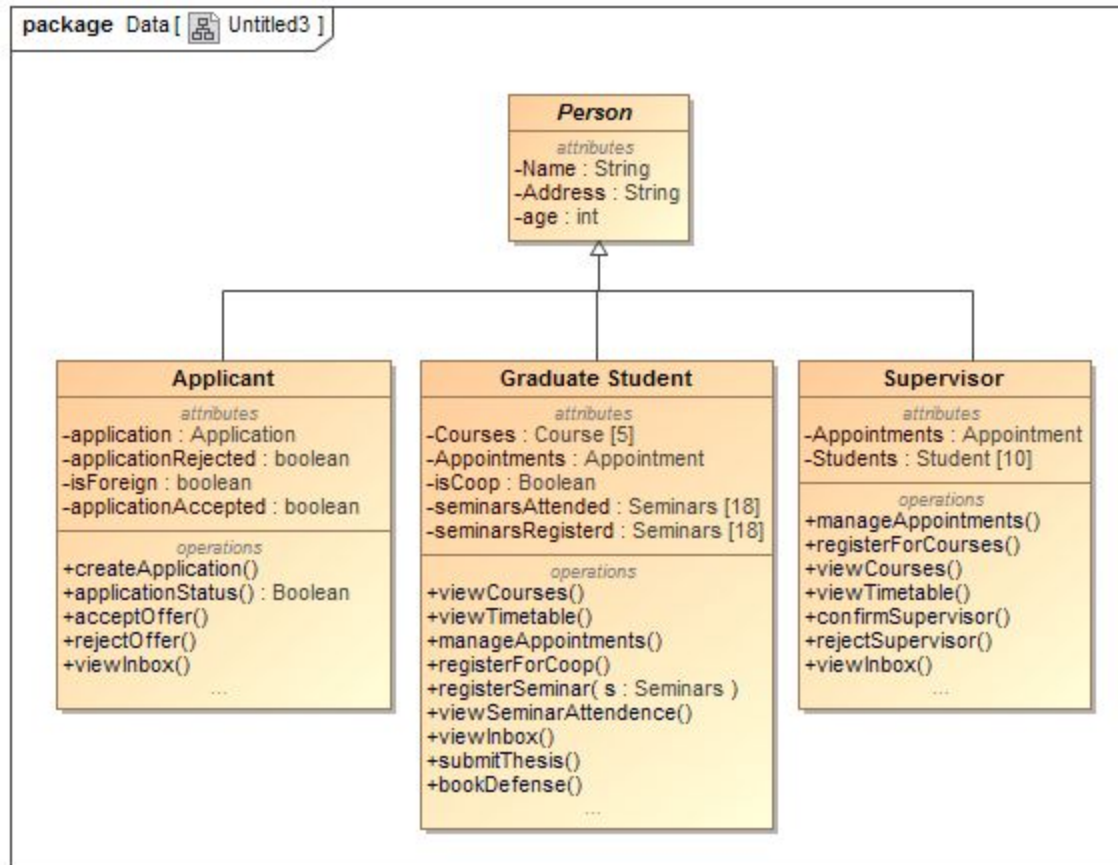
2.1 System Accounts

The Class diagram below shows the structure of all the system accounts and their actions.



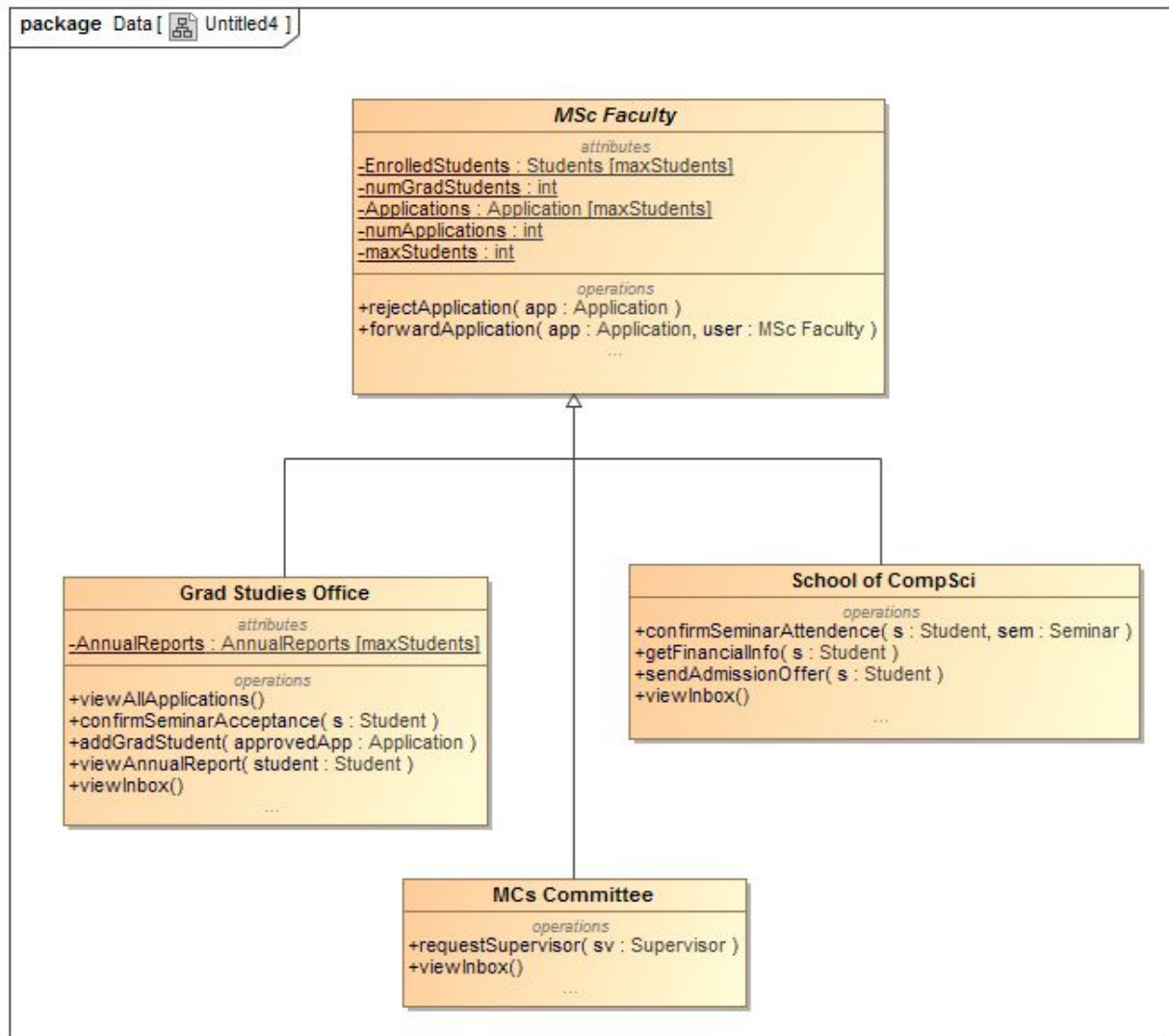
2.1.1 Person

Person and its subclasses represent all persons that may log into the CS MSc Program



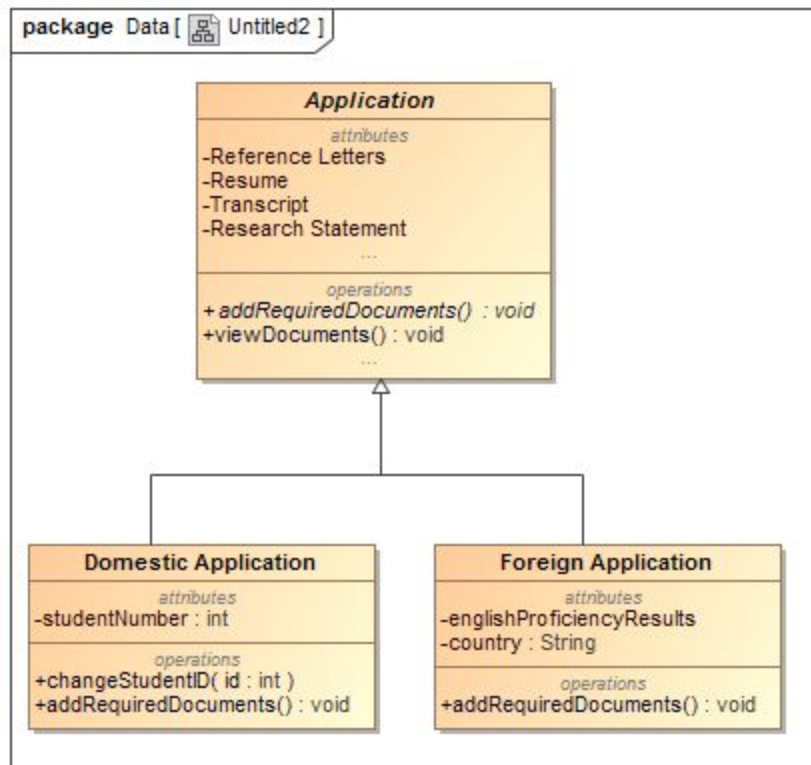
2.1.2 MSc Faculty

MSc Faculty and its subclasses represent all faculty members that log into the CS MSc Program



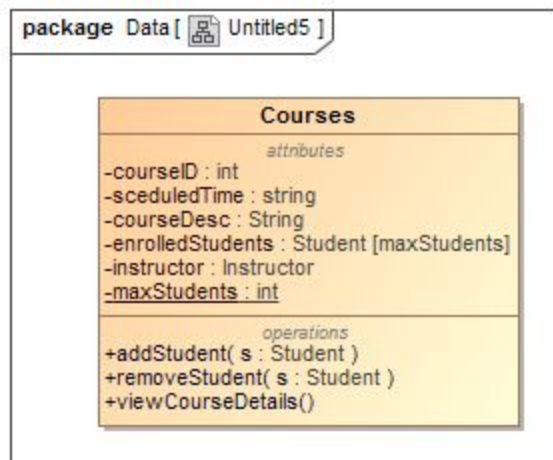
2.2 Application

Application and its subclasses represent the possible applications that may be filled out as well as holds all required documents



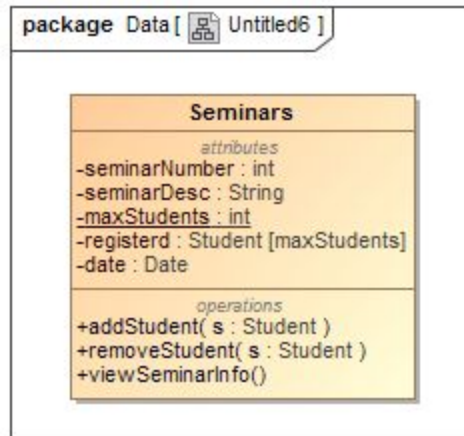
2.3 Courses

Courses represent the possible courses that Grad Students may register for



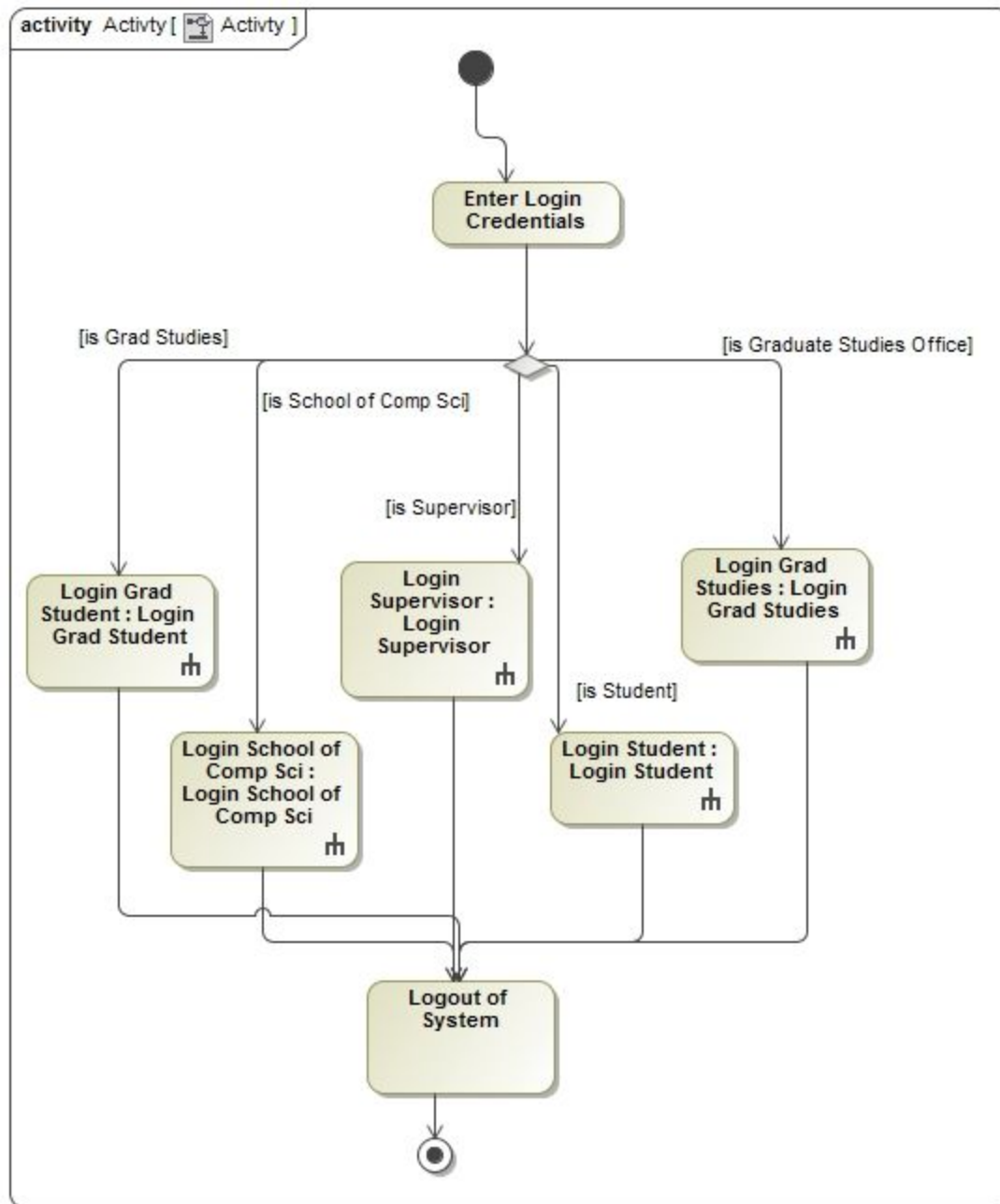
2.4 Seminars

Seminars represent the possible seminars that Grad Students may register for

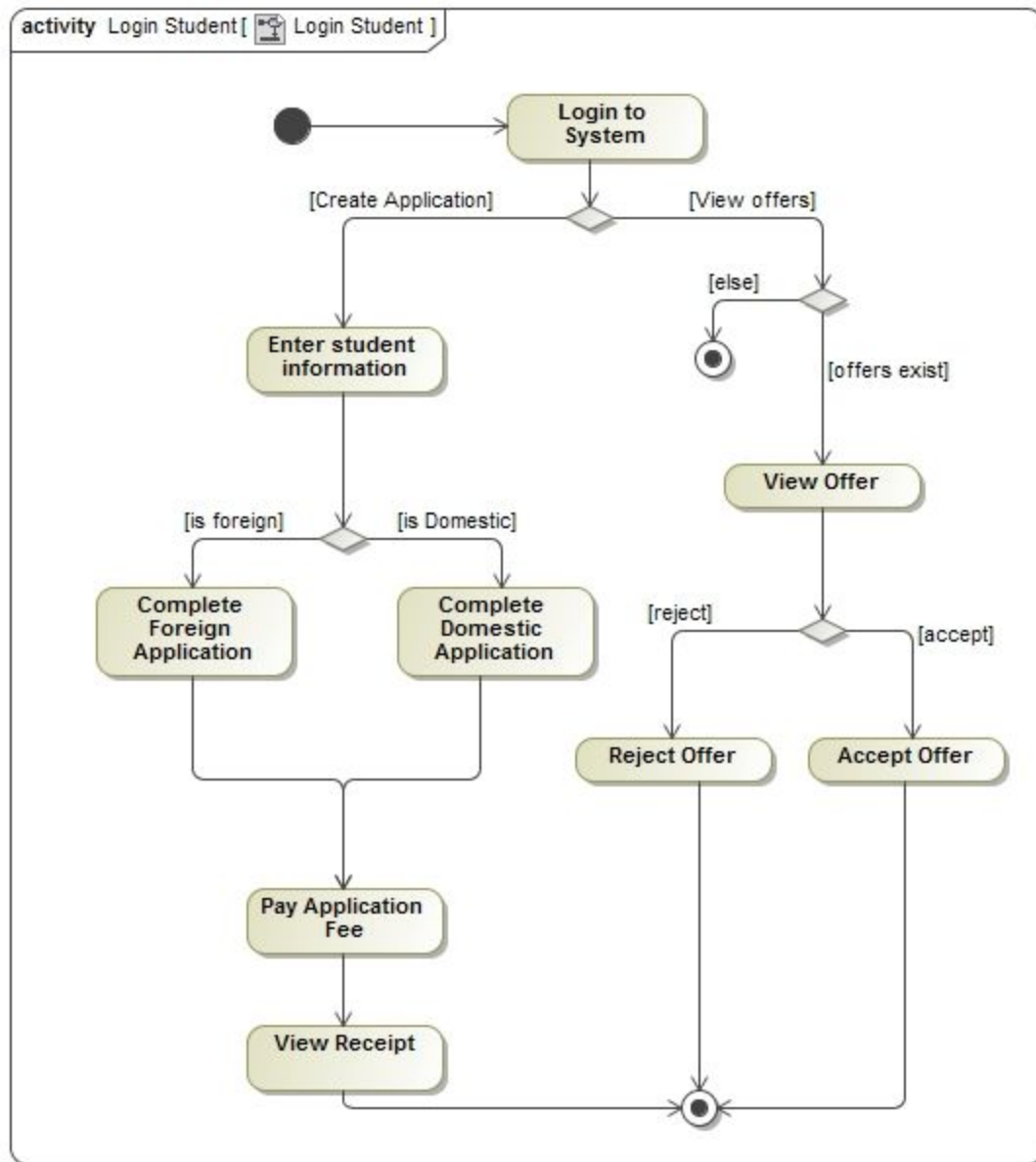


Chapter 3: Activity Diagrams

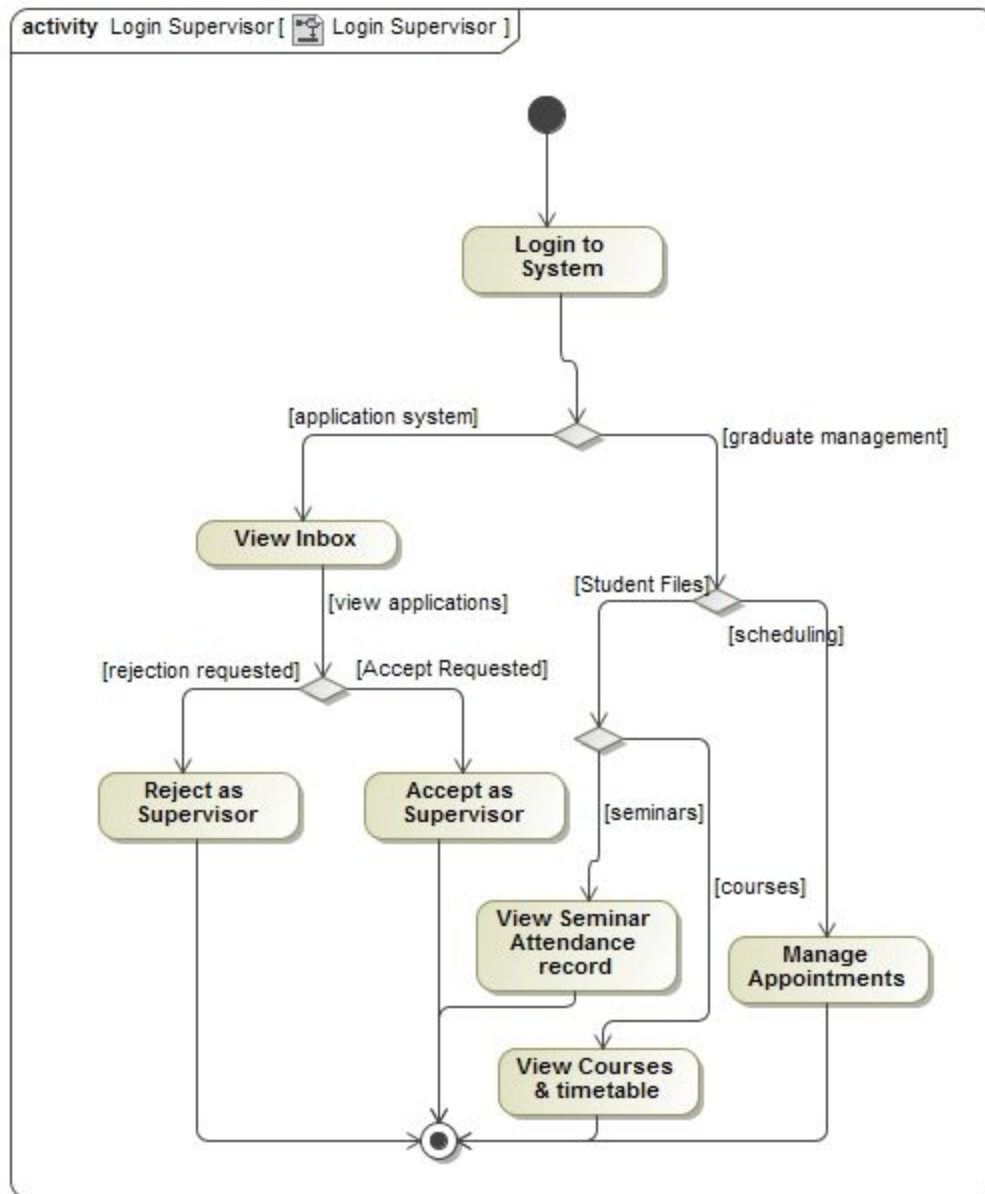
3.1 Main Login Overview



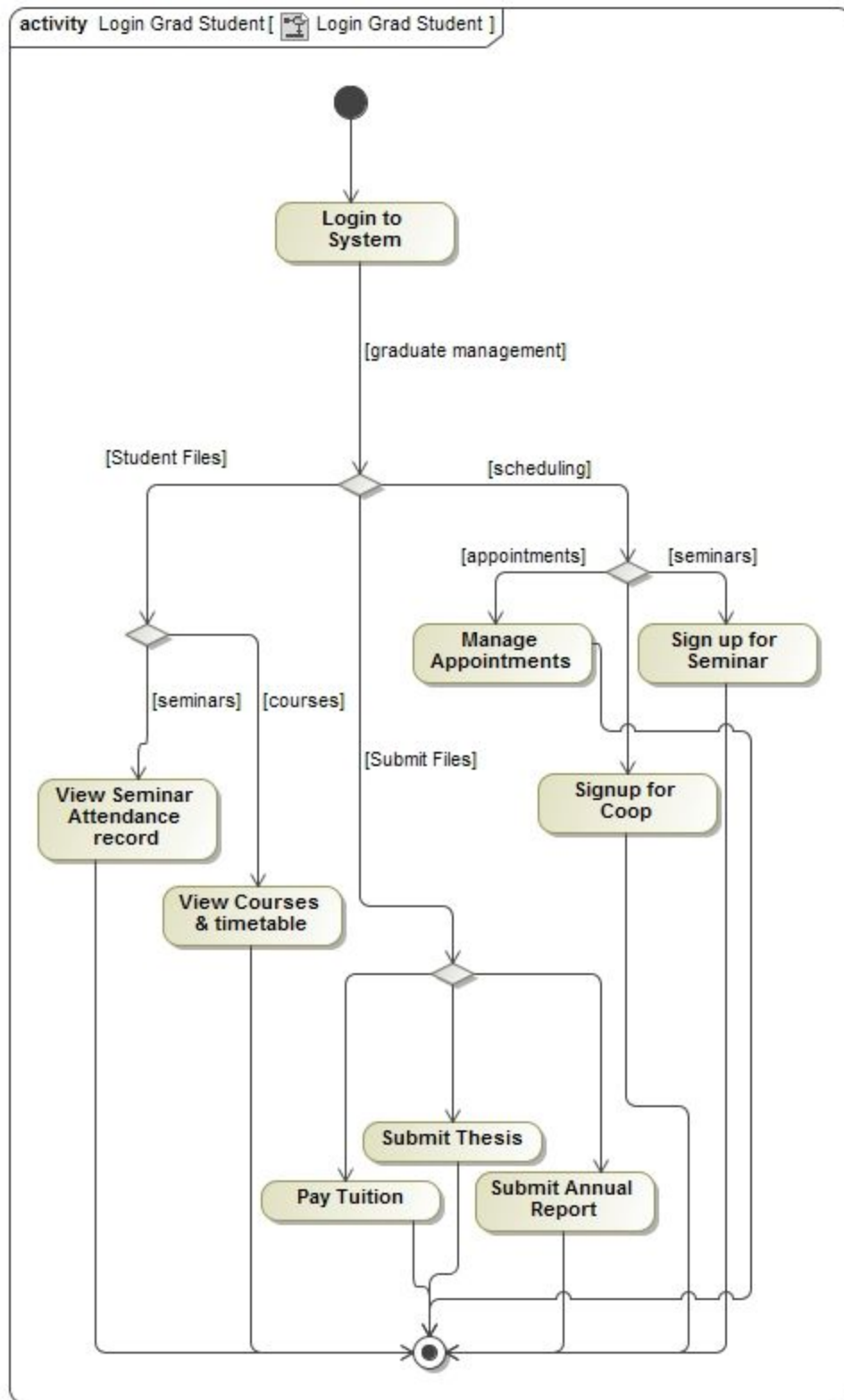
3.2 Student's Activity Diagram



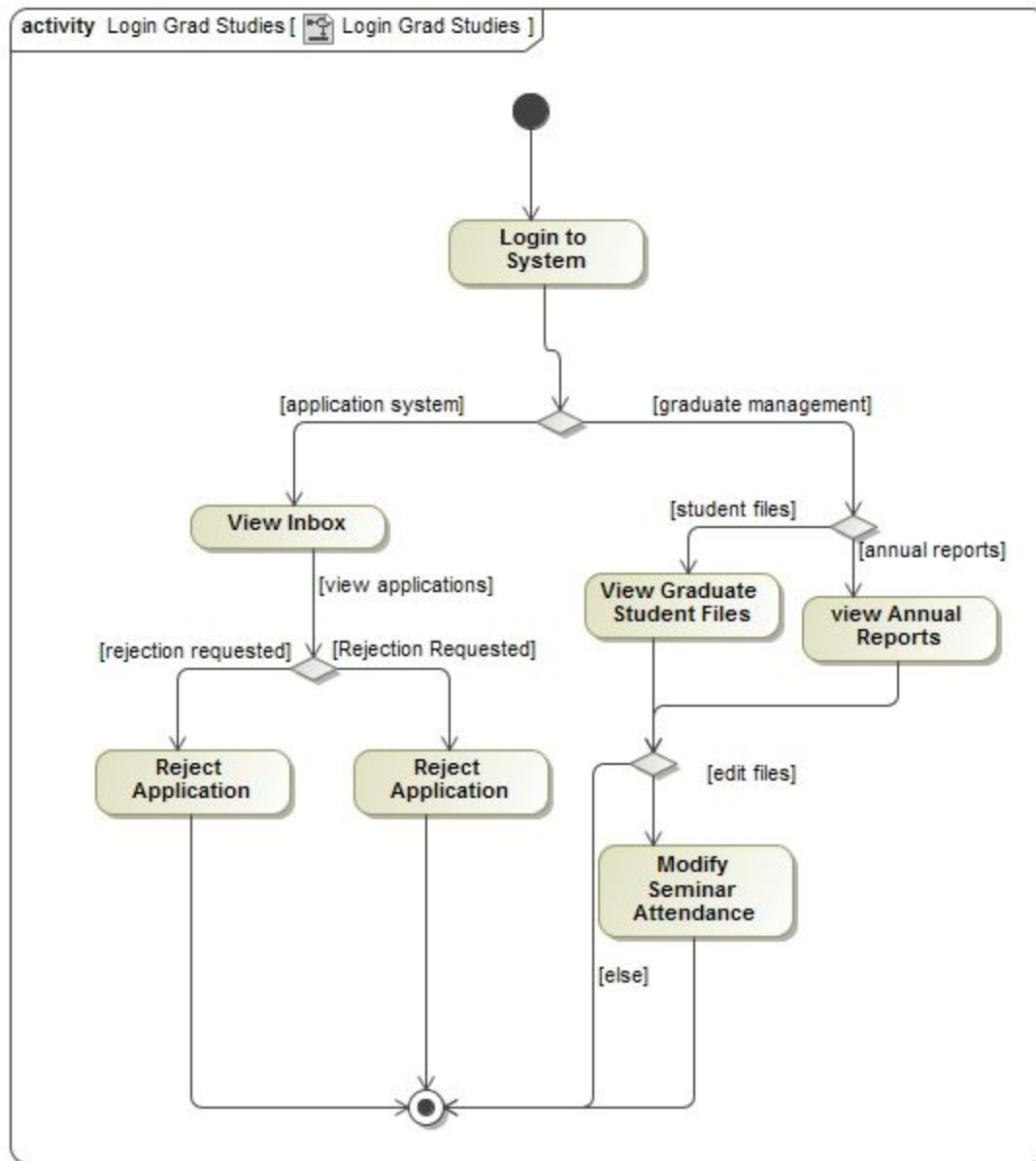
3.3 Supervisor Activity Diagram



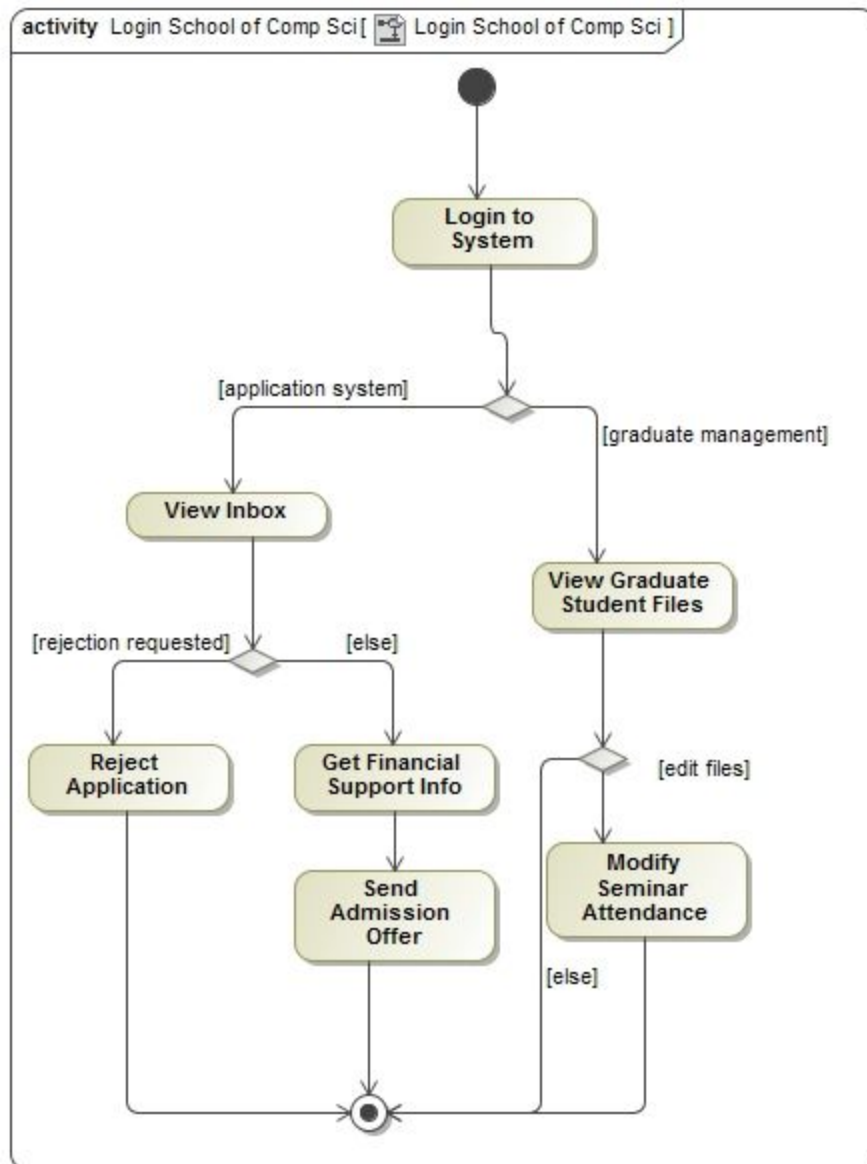
3.4 Grad Student's Activity Diagram



3.5 Grad Student's Activity Diagram



3.6 School of Computer Science Activity Diagram



Chapter 4: Deployment Diagram

4.1 Deployment

Cashier's Office and My Uwindor Services represent external systems which are utilised by the various users to perform operations including; paying tuition, viewing and sending messages, and logging into the system.

