Specifications

Overview

Beex is an extension of new binusmaya that becomes the alternative for students of Binus International to access the lack features from new binusmaya. New binusmaya is a website for active students, lecturers, and staff of Bina Nusantara University. Students often find difficulties in searching their lecturers, reminder of their assignments, reserving a class for meeting or study group discussion. Beex is a website that consists of several features: Lecturer Location, Task Reminder, and Class Reservation. Those features are created based on what the need of students in Binus University International. The design of the website will be user-friendly and easy to be accessed.

Project members:

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Background Problem

New Binusmaya is a website for students activity in their university. Students can check everything they want, starting from their schedule, score, activity points, download course material, check financial status, and etc. However, in a research that conducted through questionnaire to the students, most of them said that they access Binusmaya only to check schedule and score, and checking their financial status only when the payment schedule is announced. Binusmaya has many other features yet most of the students seldom or even never use them. They argued that there are some features that Binusmaya lacked of, such as when students need to find their lecturer to discuss assignment or anything that is related to their course, they are overwhelmed to look for their lecturer because they do not know where the lecturers current locations are. Second is for students that are active in student activity, such as club or event, sometimes they need a place to conduct a meeting, a place such as class or meeting room in Binus need to be reserved in advance at student service before using it. It is very annoyed for some students especially when they do not physically present in campus, this problem prompt some students to think that there must be an application that can reserve

a class online. Third is a reminder for students especially when they are being given an assignment or exam schedule, some students said that they miss an exam because they forget to check it on Binusmaya. Because of these several problems, Beex is created to cover the features that Binusmaya lacked of.

Gathering information

The students think that there are some deficiencies from New Binusmaya, which is almost used every day by them. These thoughts are obtained from the real perspectives or feelings from the students. An interview from some representatives (sample) of the students was conducted to get what problems actually have happened in their experience of becoming college students in Binus University International when using New Binusmaya. The interview was conducted by giving five main questions based on empathy map.

1. How often do you access New Binusmaya?
2. What features do you often use when accessing New Binusmaya?
3. What features do you think that need improvement?
4. What features that New Binusmaya lacked of?
5. From scale 1-5, how important do you think if these several features are implemented in New Binusmaya?
    a. Lecturer Location (to check the location of your lecturers)
    b. Task Reminder (to add new task and checking the current tasks that you have)
    c. Class Reservation (to reserve or book a class room)

Analysis

Based on the interview that has been conducted to students, they need features that can help them looking for their lecturer, reserve a class without being present physically in the campus and a reminder of their task or assignment. Beex serves as an alternative application to Binusmaya. Beex is a website that consists of several features: Lecturer Location, Task Reminder, and Class Reservation. Those features are created based on what the need of students in Binus University International. *Lecturer Location* is created to show the current and the following locations of the lecturer. The students tend to search the lecturer when they need to discuss their assignment, homework, course topic that they do not get clear, etc. Binusmaya does not have this feature currently, with the existence of Beex, it is expected could be helpful for students.

The second feature is *task reminder*, it helps the students to add their new tasks and check the current tasks that they have. The student will be alerted with a pop message every time they log in to the website. Student simply has to input the name of the task, the course or subject title and the due date of the task.

The third feature is *class reservation*, it is very helpful for students that often conduct a meeting in campus and has some study group discussions, the current way to reserve a class is student must go to student services and tell the staff to book a class. It is very inefficient, particularly for students who live far from the campus. This feature is integrated with database, when student book a class, it will directly go to the database and the selected class is booked. The program will check first if there is any slot or empty class that is currently not used.
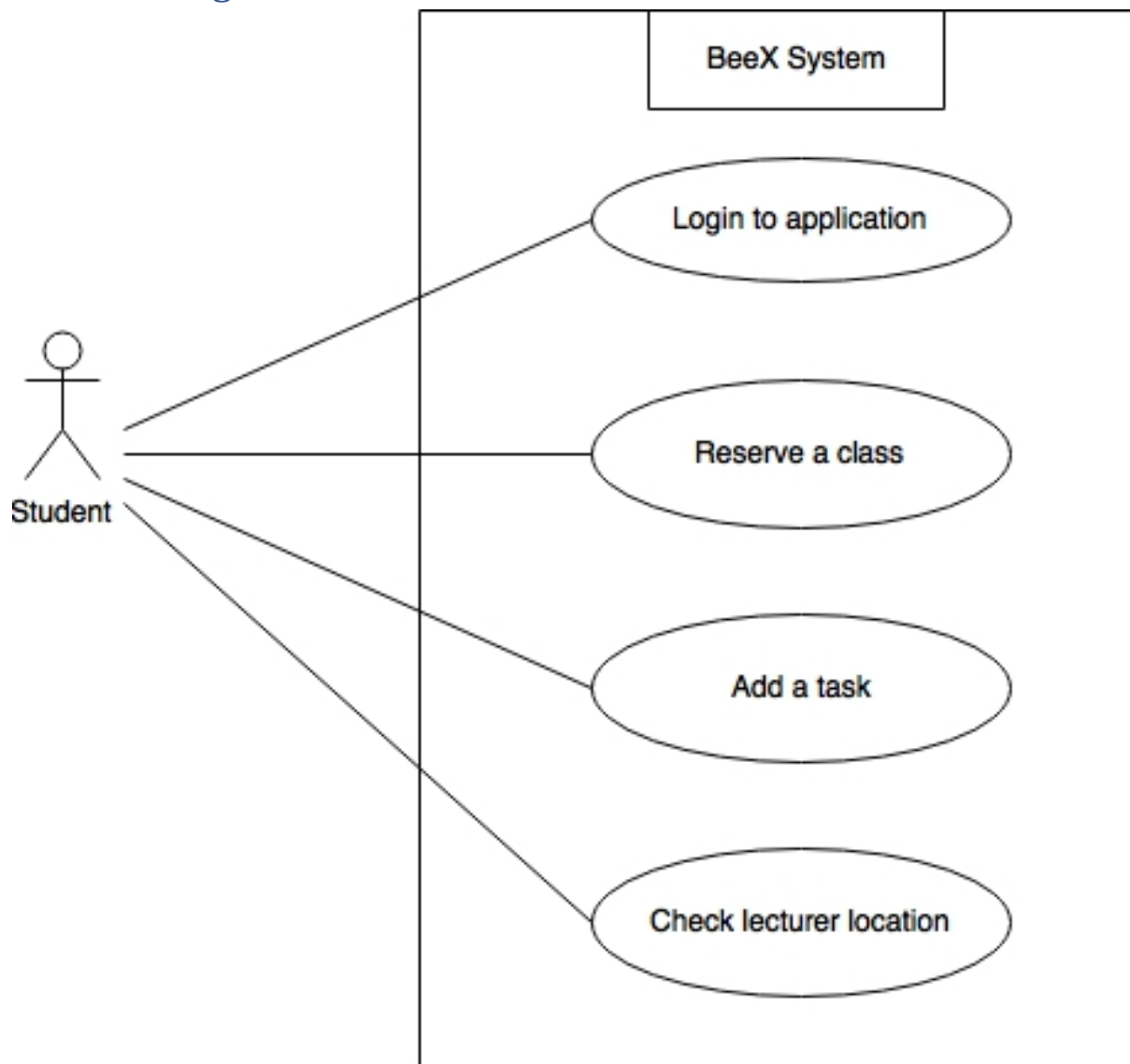
Use Case Diagram

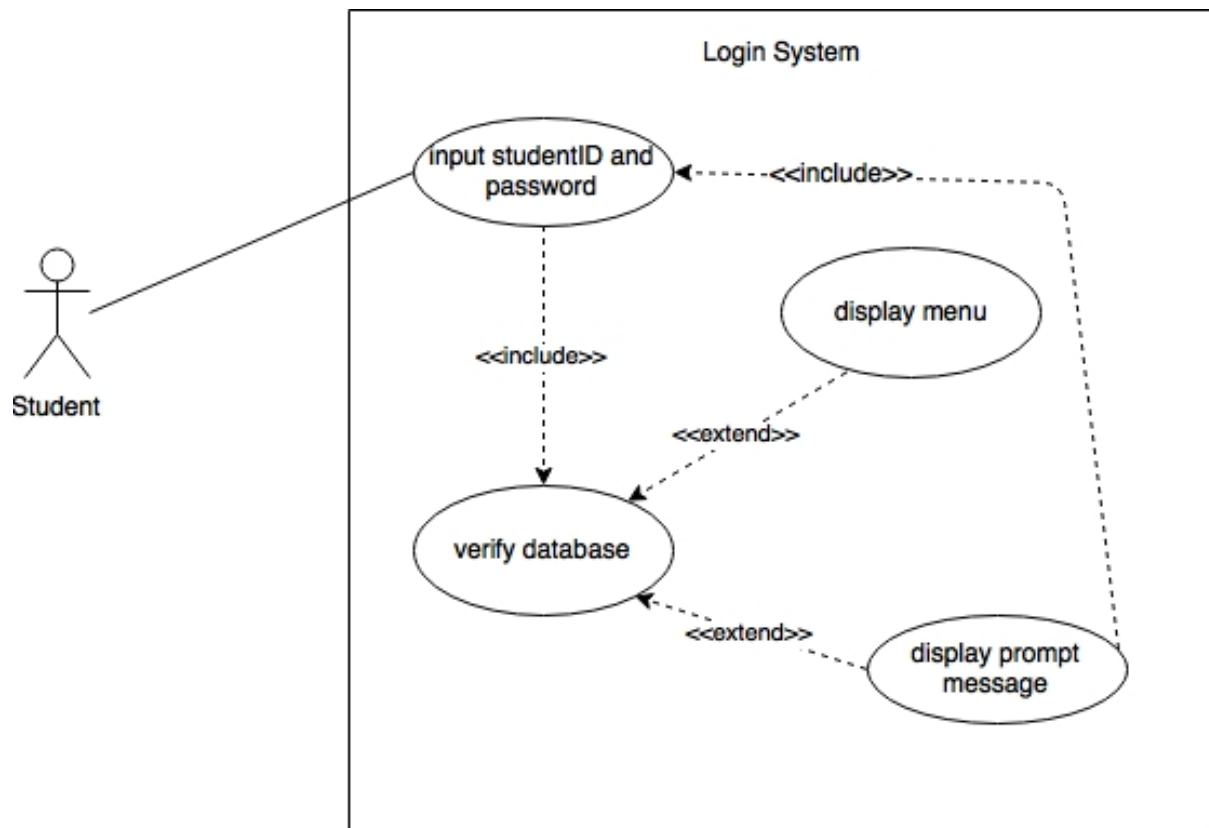*Figure 1. Beex System use case diagram*
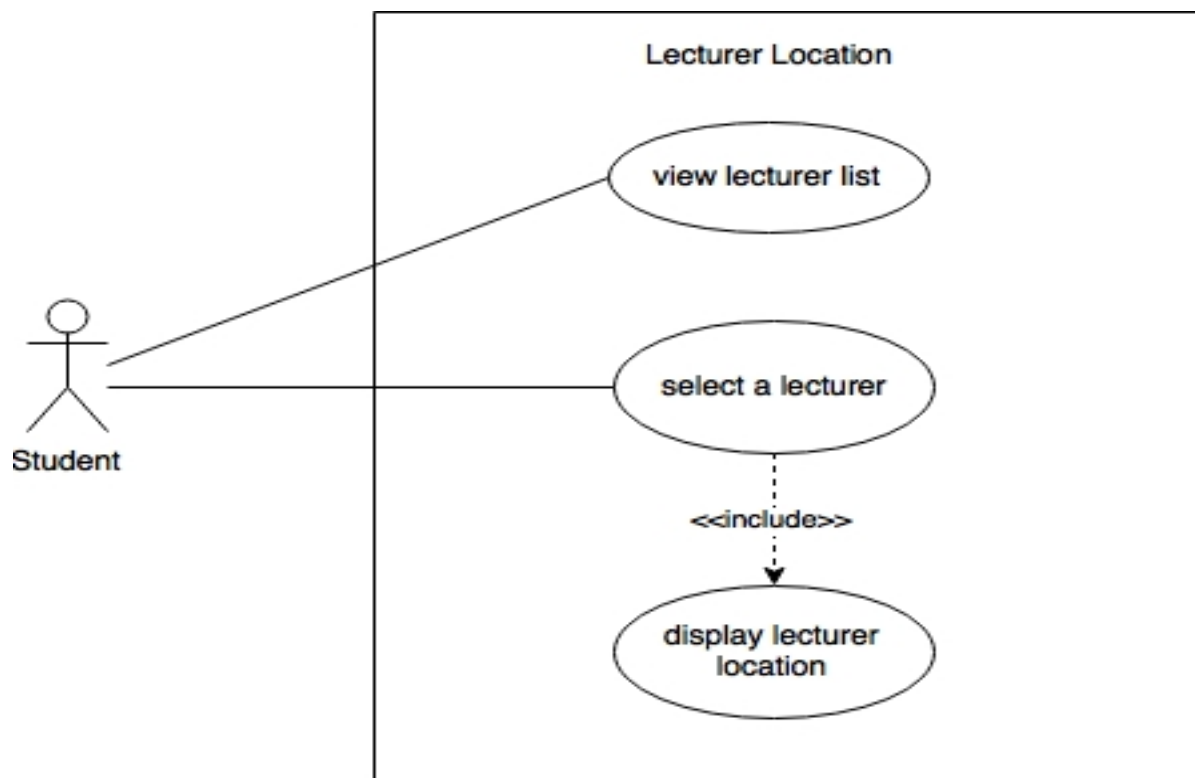
Figure 2. Login system use case diagram

Figure 3. Lecturer Location use case diagram

Figure 4. Add Task use case diagram

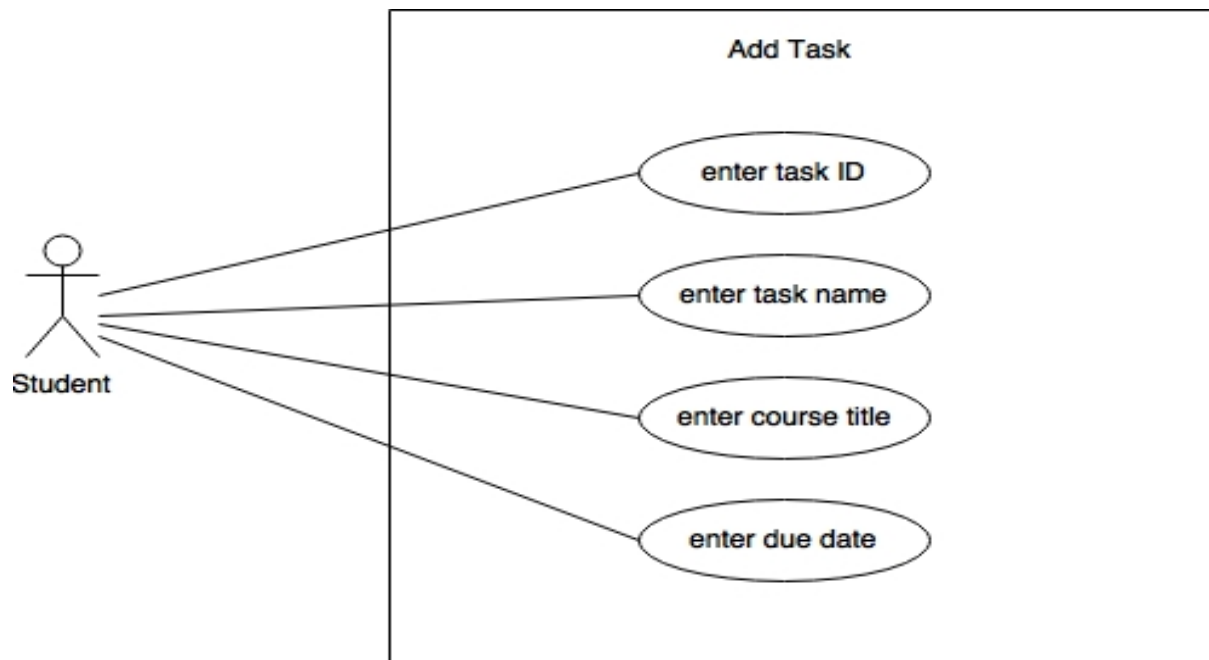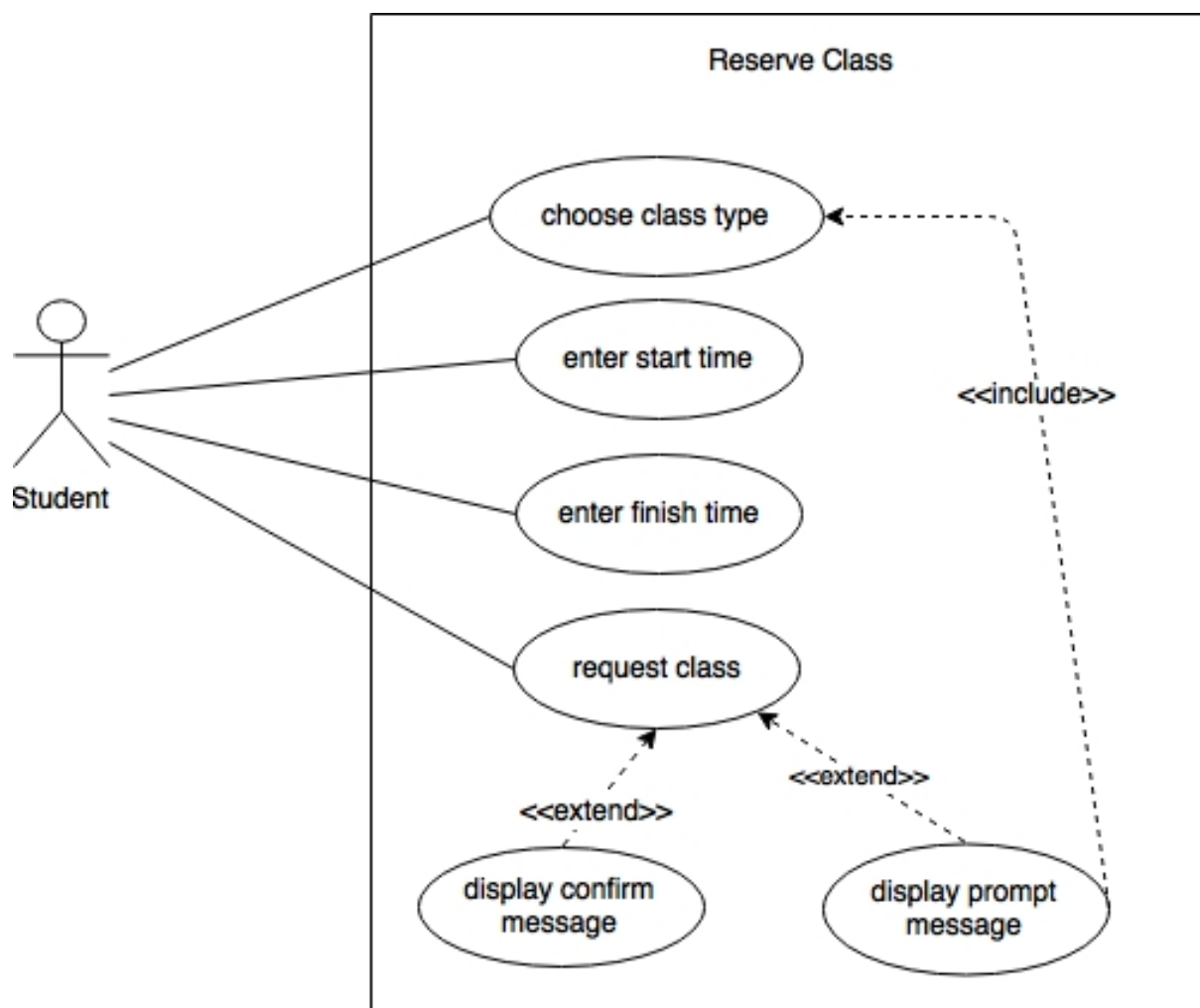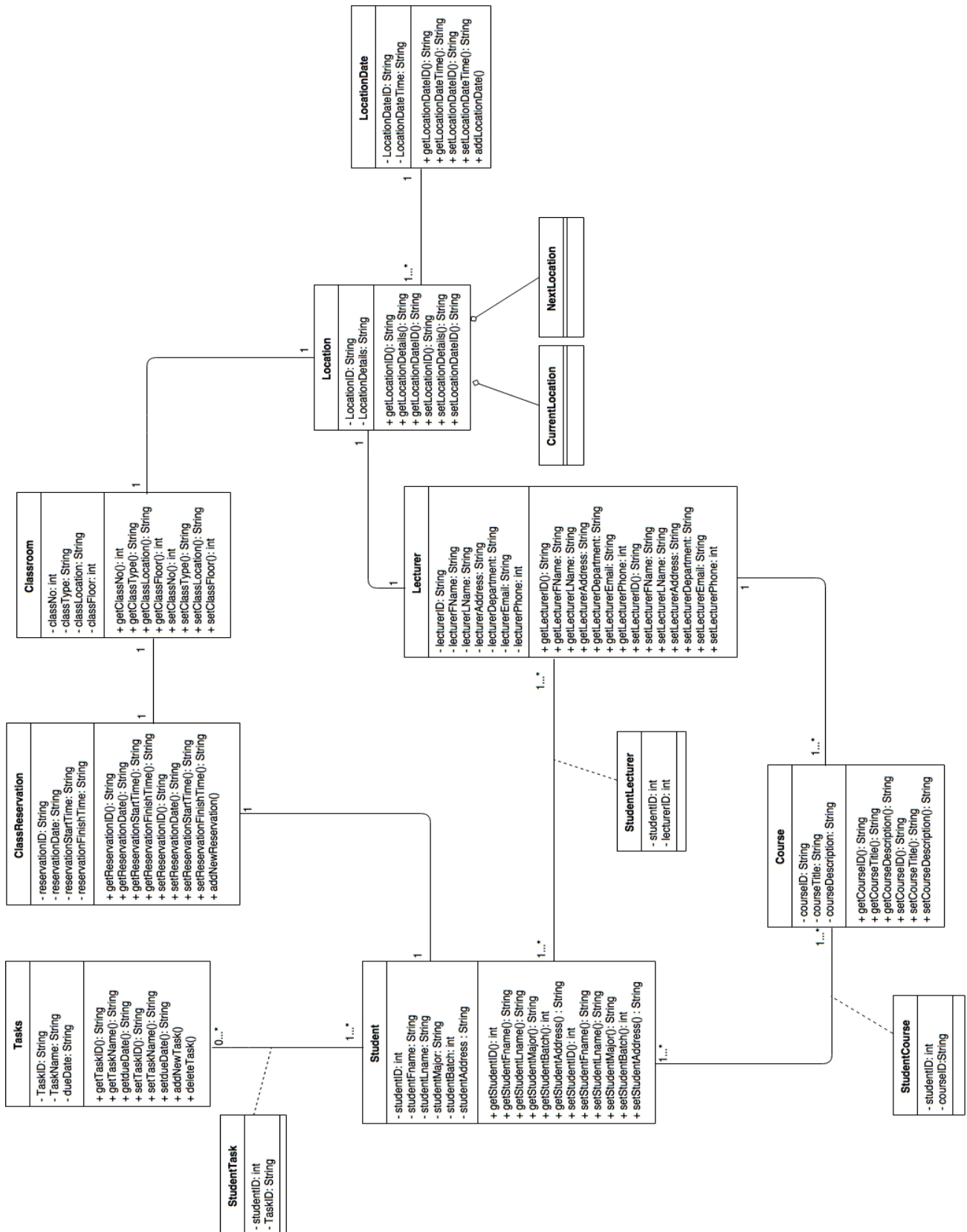*Figure 5. Reserve Class use case diagram*

Class Diagram

Figure 6. Beex Class Diagram