

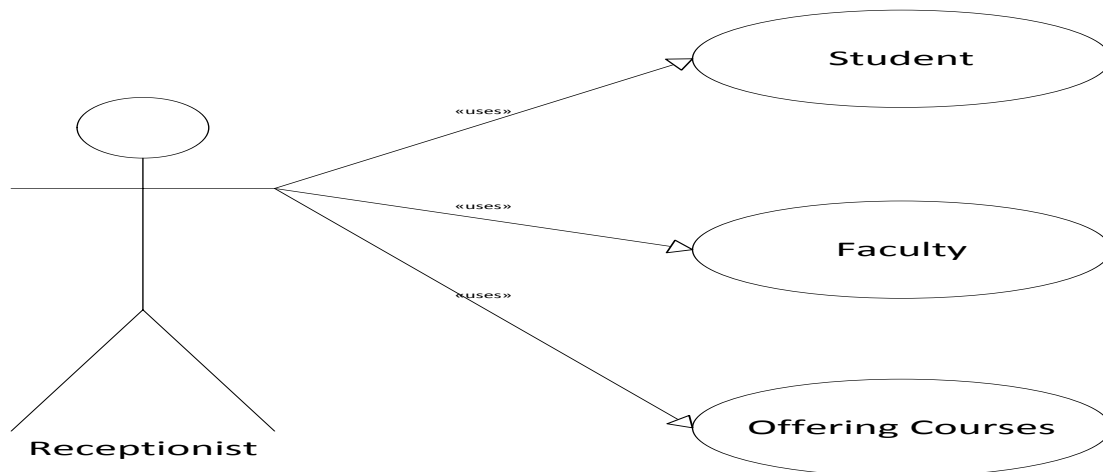
Design Models:

The project is based on web app for the university which is not fully functionalized but some scenarios of the environment like student registration and adding or dropping the courses along with the faculty members are used in the entire project.

With the same data and the use cases that we have mentioned before these sequential diagrams and the use case models are done. The activity model is also attached in this document in which we can clearly understand the entire activities that are going in this project.

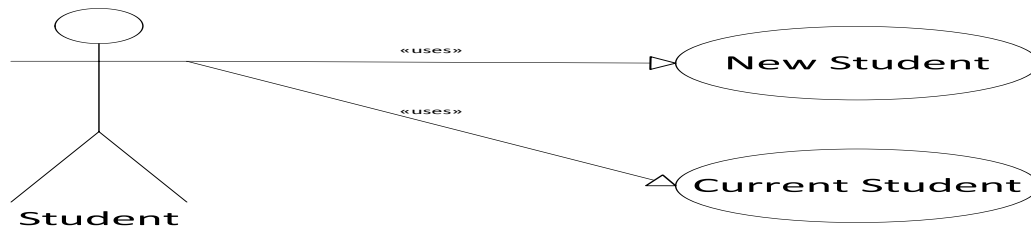
Use Case Models:

- The Use case model in view of selecting an option for student or faculty member or the other info of college

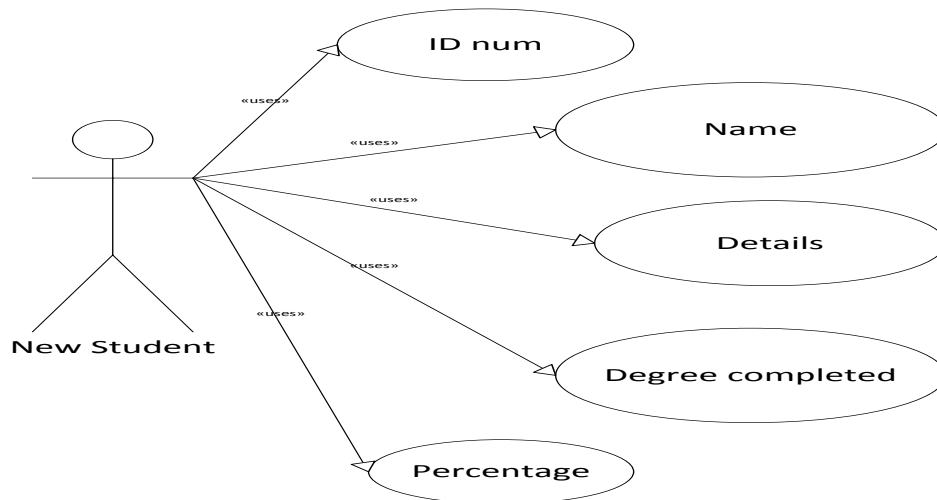


- If the receptionist selects for the student then the use case changes to,

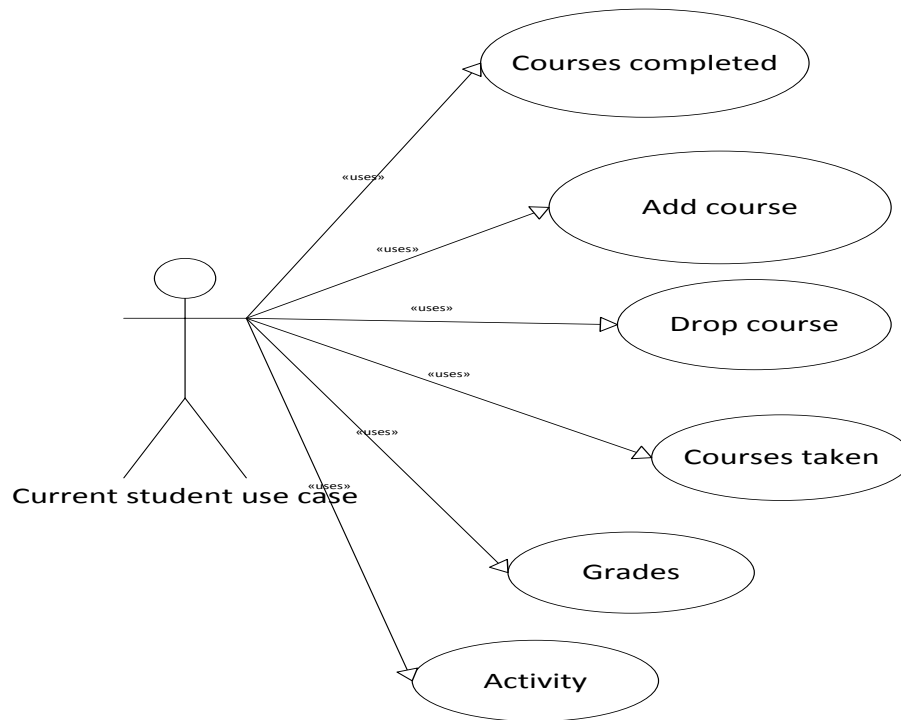
Design Models:



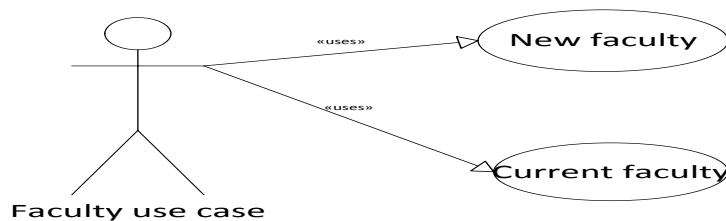
- After selecting the student option we get two use cases as for registering a new student or to update a current students details,



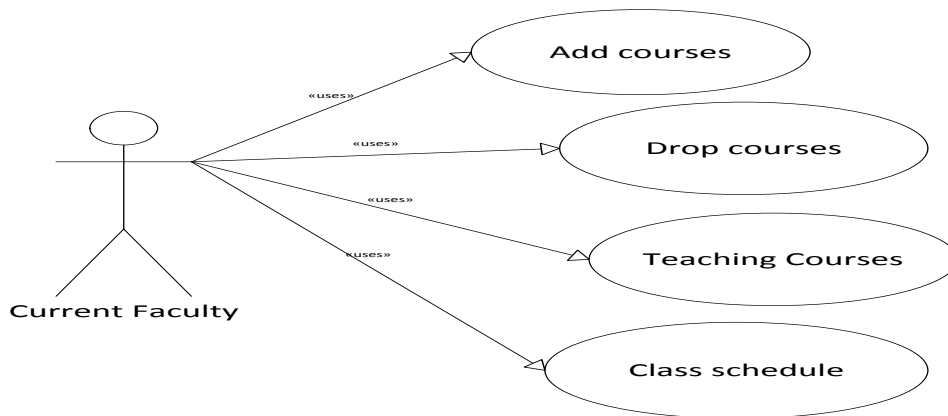
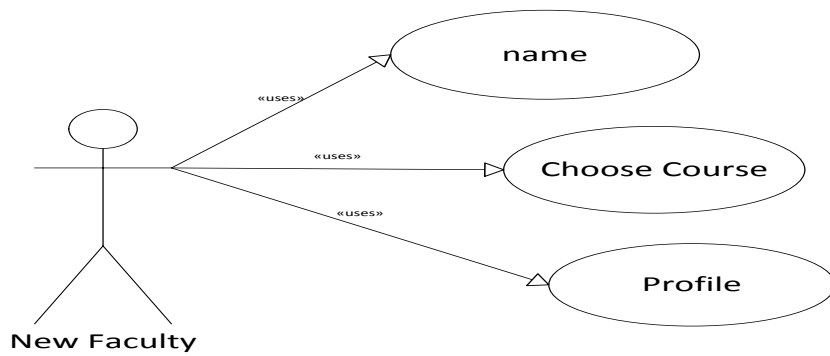
Design Models:



- As there are many cases generated after selecting new student for registration process or for updating the old student details the user selects whatever they want to do with the options that are required.
- In the same way there are use cases for the faculty member to register or to update the existing one, which are shown below.

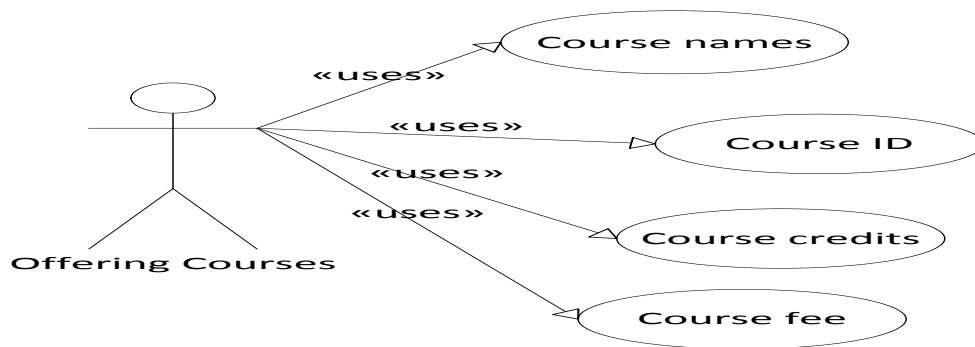


Design Models:



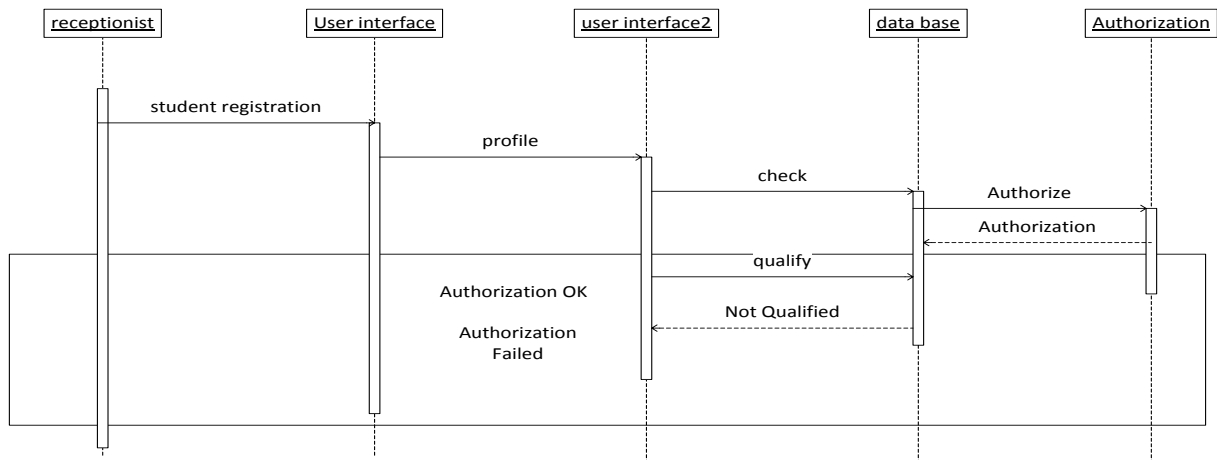
- Till now we saw the use cases of faculty members, there is a third option for the receptionist to represent the college info or the offering courses by the college, which is shown below

Design Models:



Sequence Models:

The sequence models for my project are shown below, starting from the student registration where the student is registered with his profile and verify whether he is eligible or not.

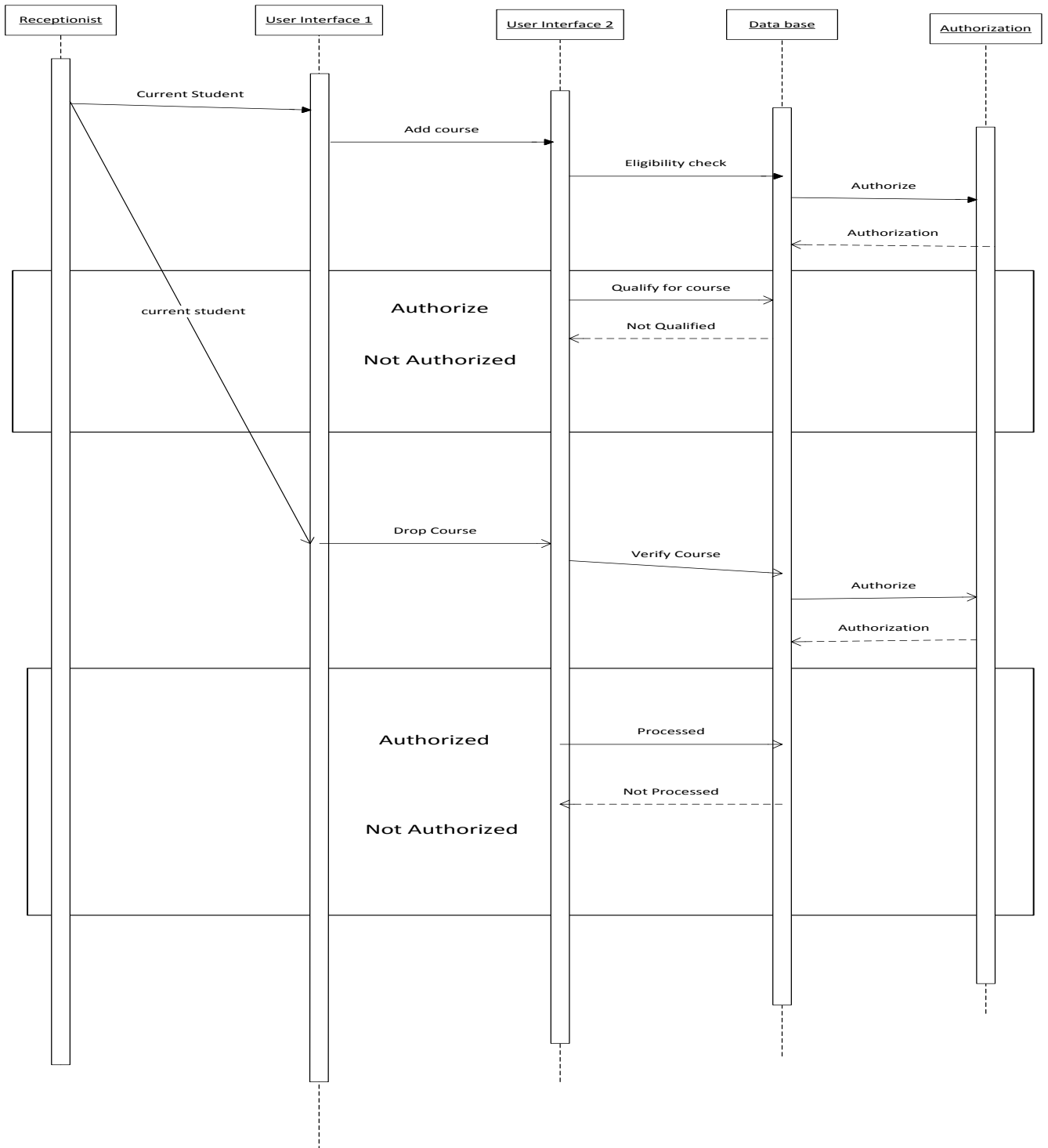


Design Models:

If the student is qualified to register in college and the information is saved to database. Then if the student wants to add the courses to study and to update his status then the following sequence diagram explains well about it.

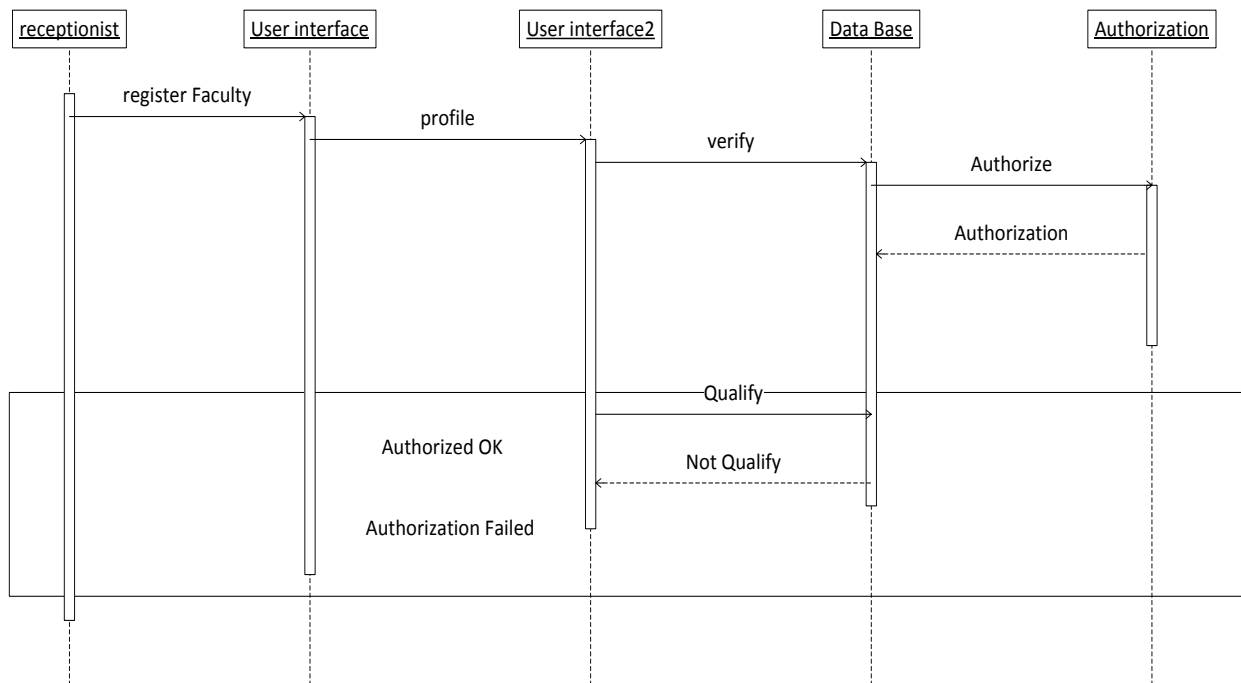
The current student needs to add the course or may he needs to drop it as far for his requirement and the sequence model tells us that if he wants to add a course he should be able to eligible for it like not more than 2 courses for the semester and in the same way if he wants to drop a course he can if he eligible for it otherwise he cannot process it.

Design Models:

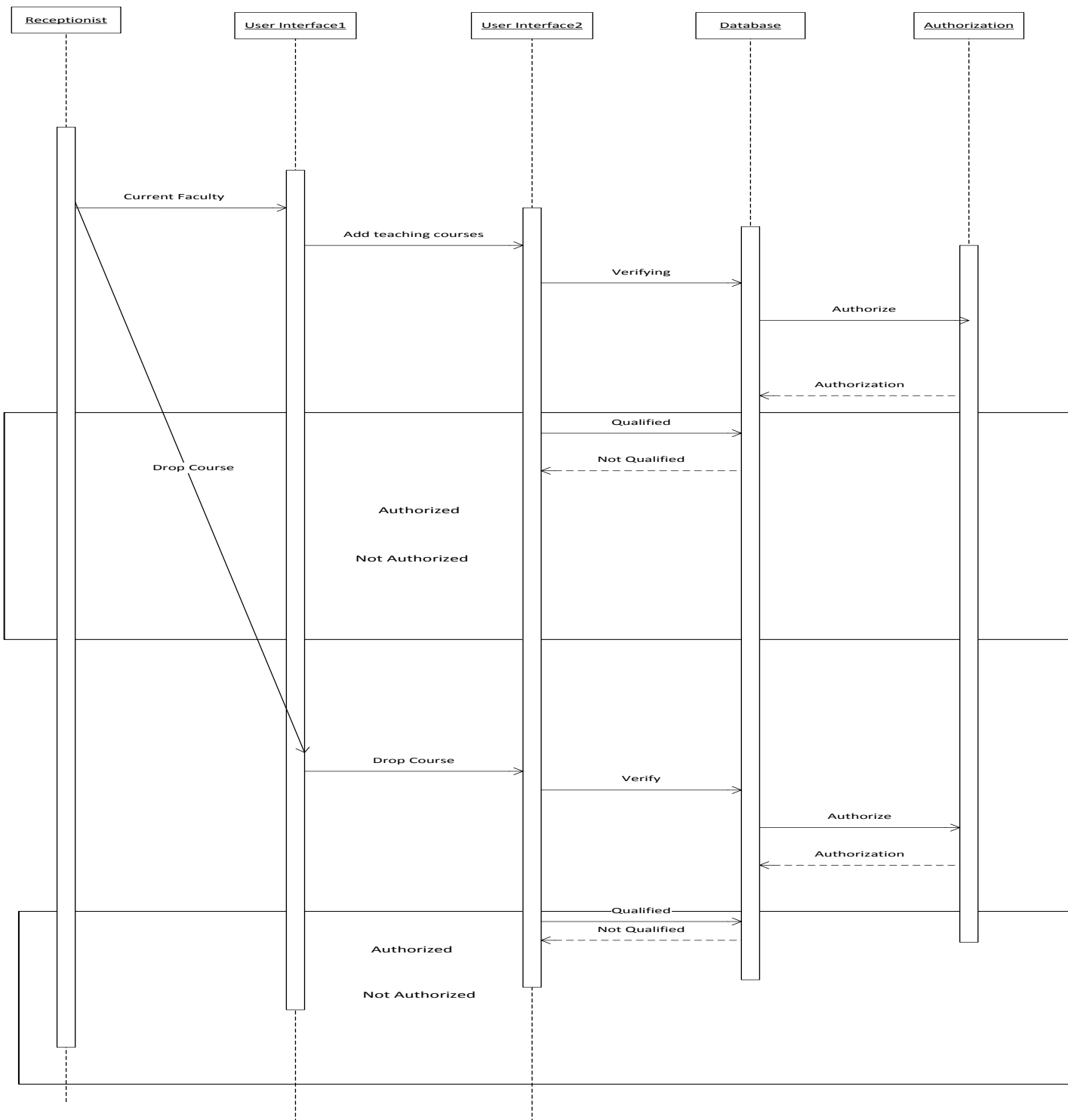


Design Models:

In the same way for the faculty member use cases the sequence diagram is as follows,

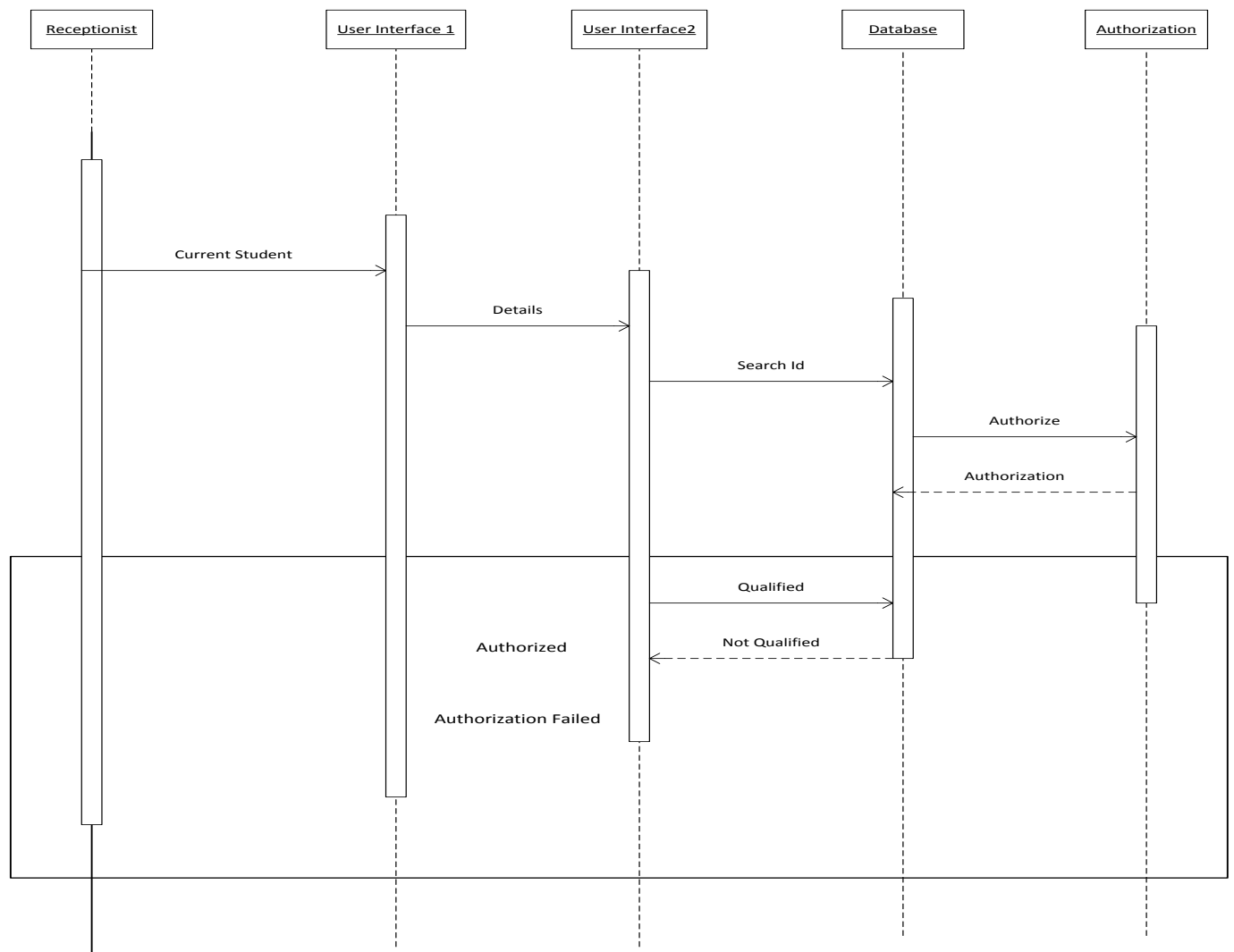


Design Models:

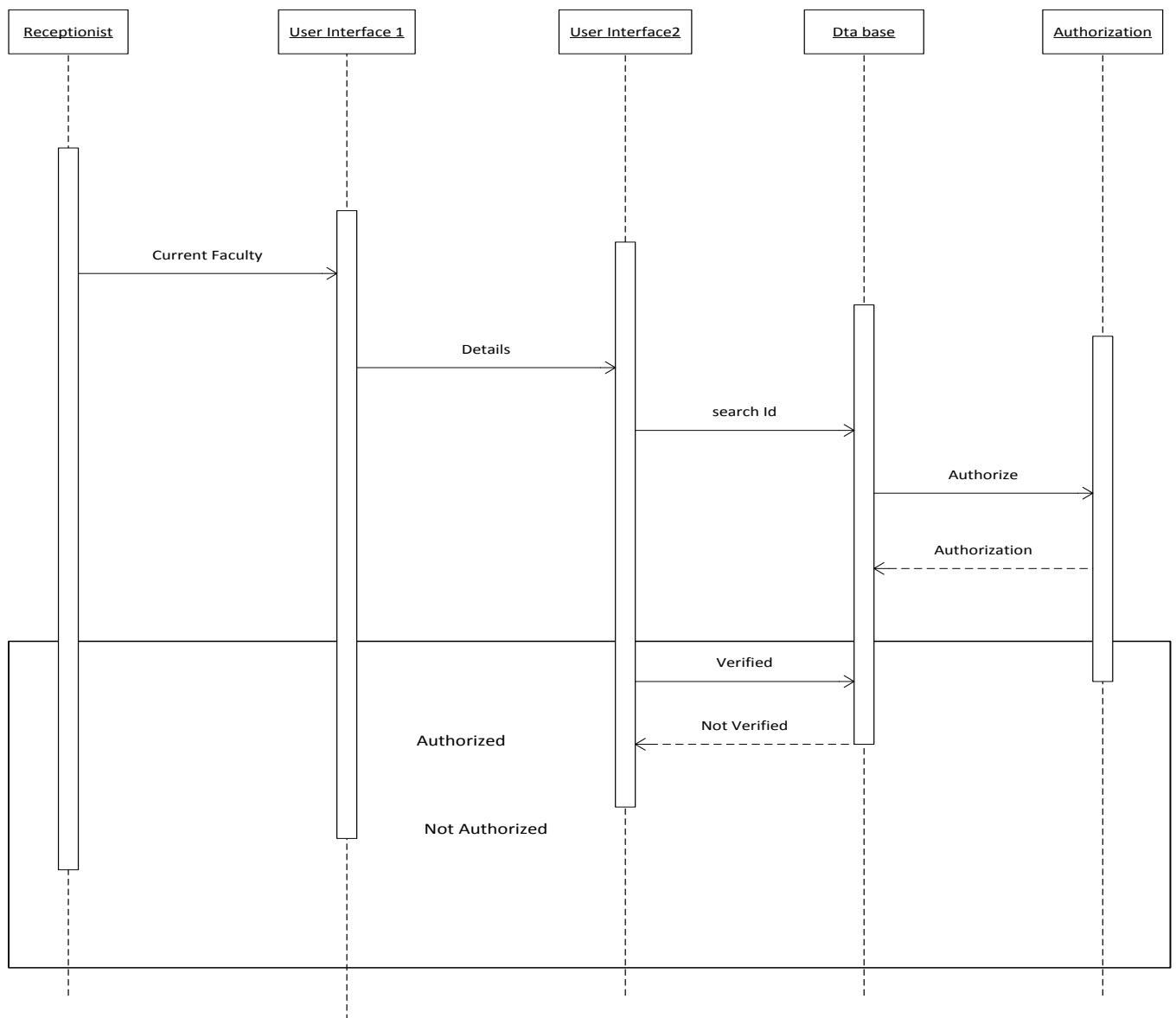


Design Models:

The following sequence models describe about the current student details and in the same way about the current faculty details



Design Models:

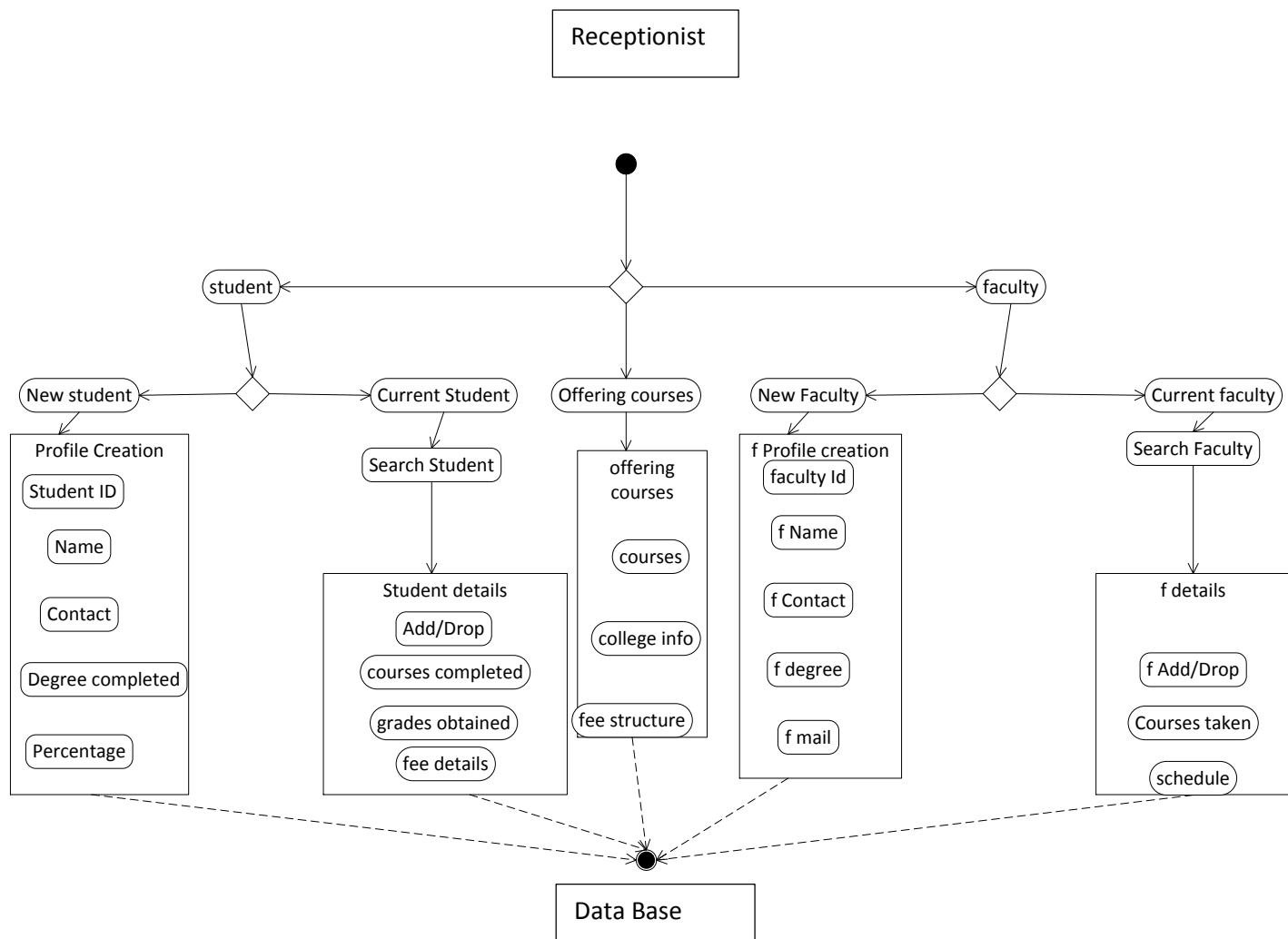


Design Models:

In the above sequence models the student and faculty are checked for their details through a search bar where we can enter the id of them in order to get their information. If the id is invalid then they cannot get their details so, the authorization is failed.

The Activity Model:

The below is the activity model for the entire project where we can understand the scenario of the projec



So, these are our models that are going to represent our project.