

COMP 3716

ASSIGNMENT #2

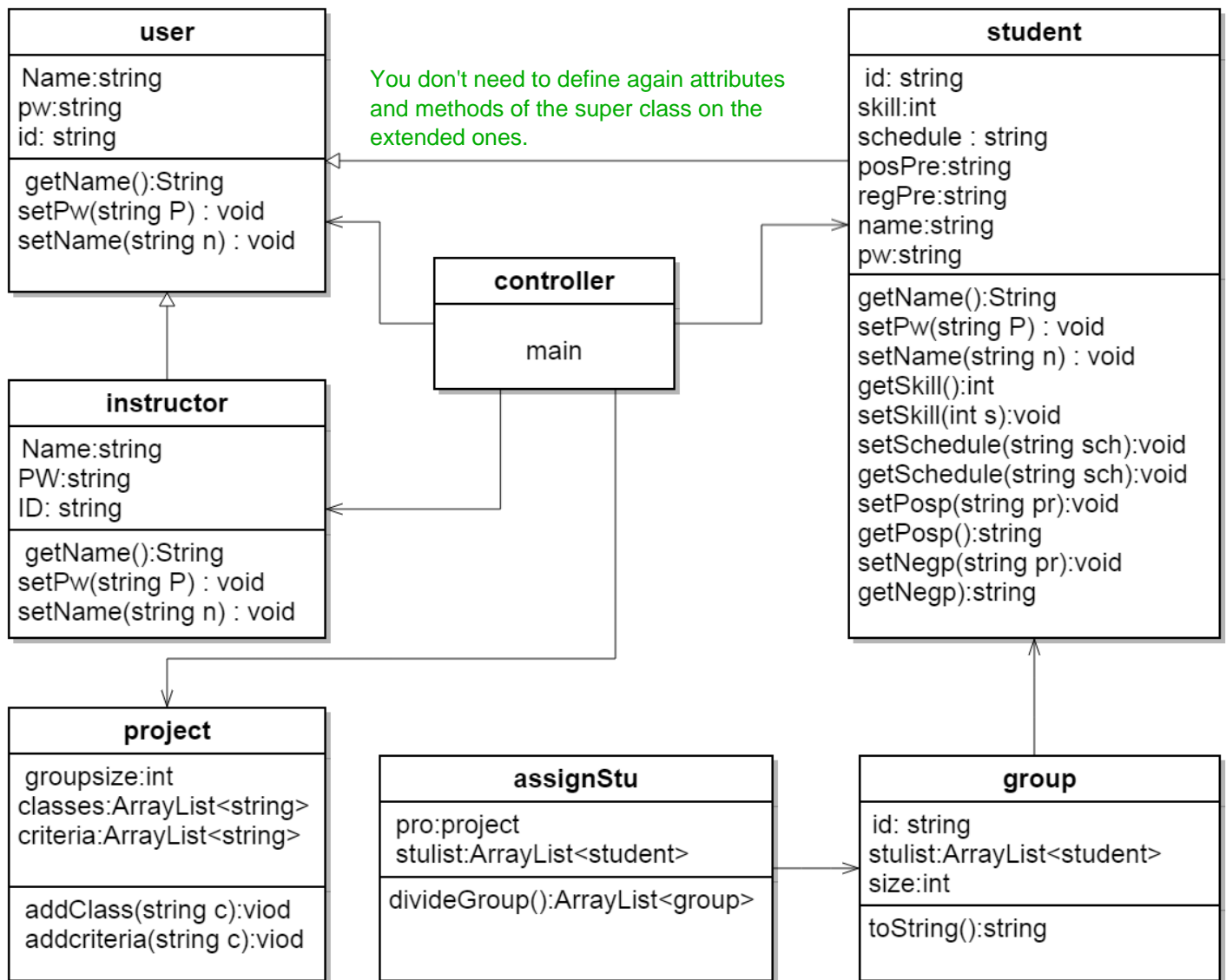
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1 UML notation, describe the major conceptual classes

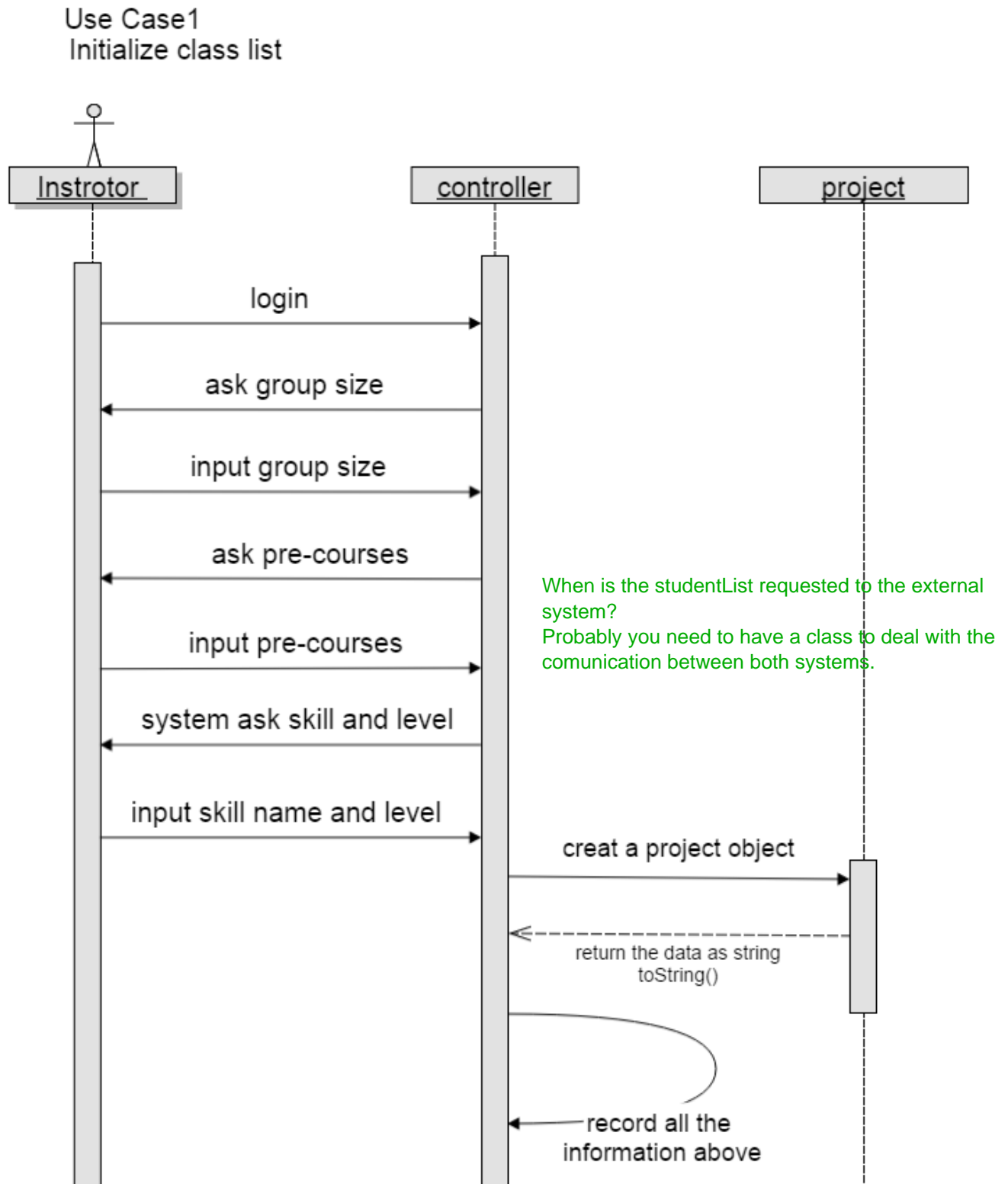
UML



You don't need to define again attributes and methods of the super class on the extended ones.

Where are you storing the deadline?

2 Use sequence diagrams to describe participating objects, message exchange between these objects and assignment of responsibilities.

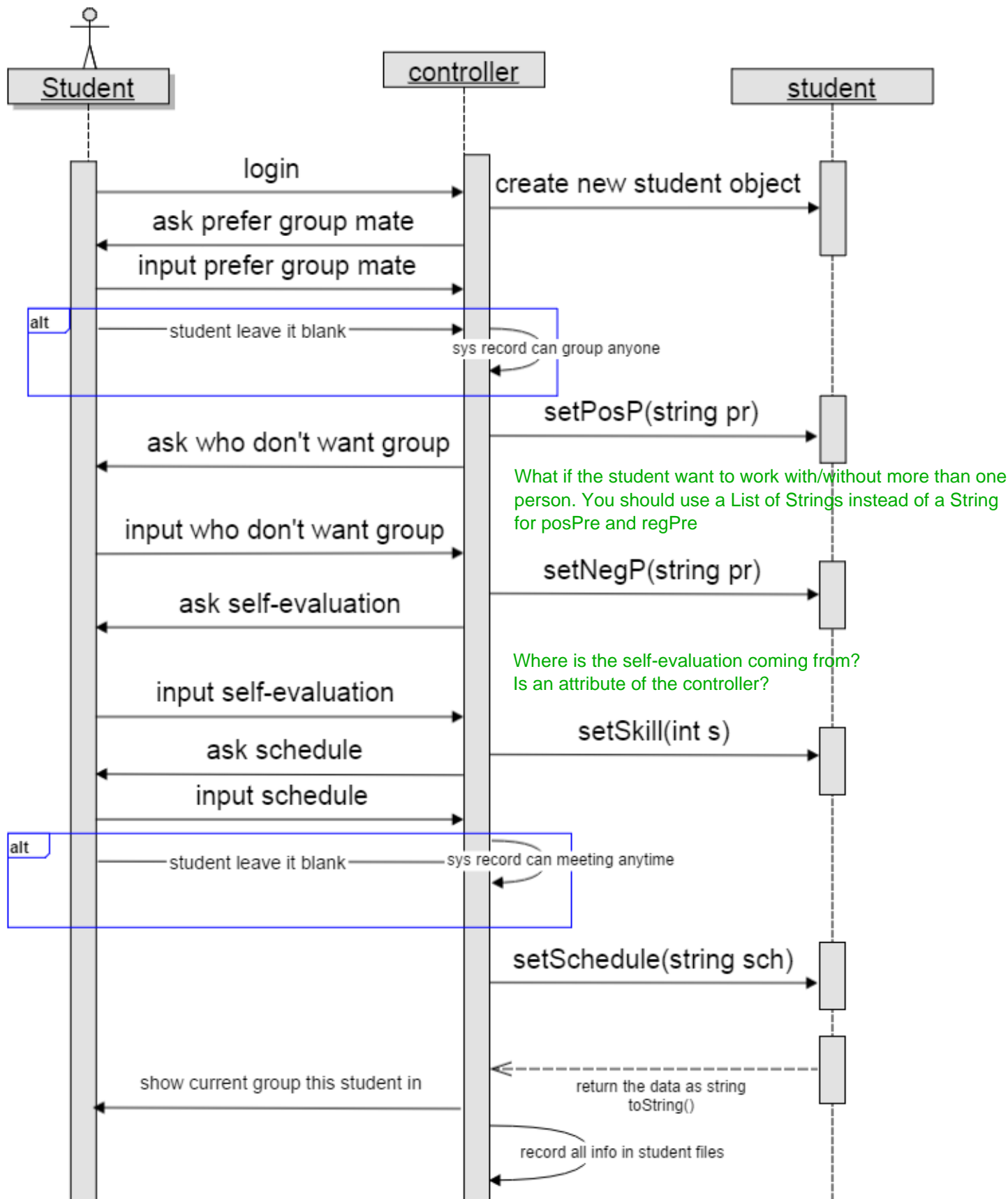


For the Sequence Diagram the ask-input elements are not required. The idea is to start using method names of the classes you're going to create.

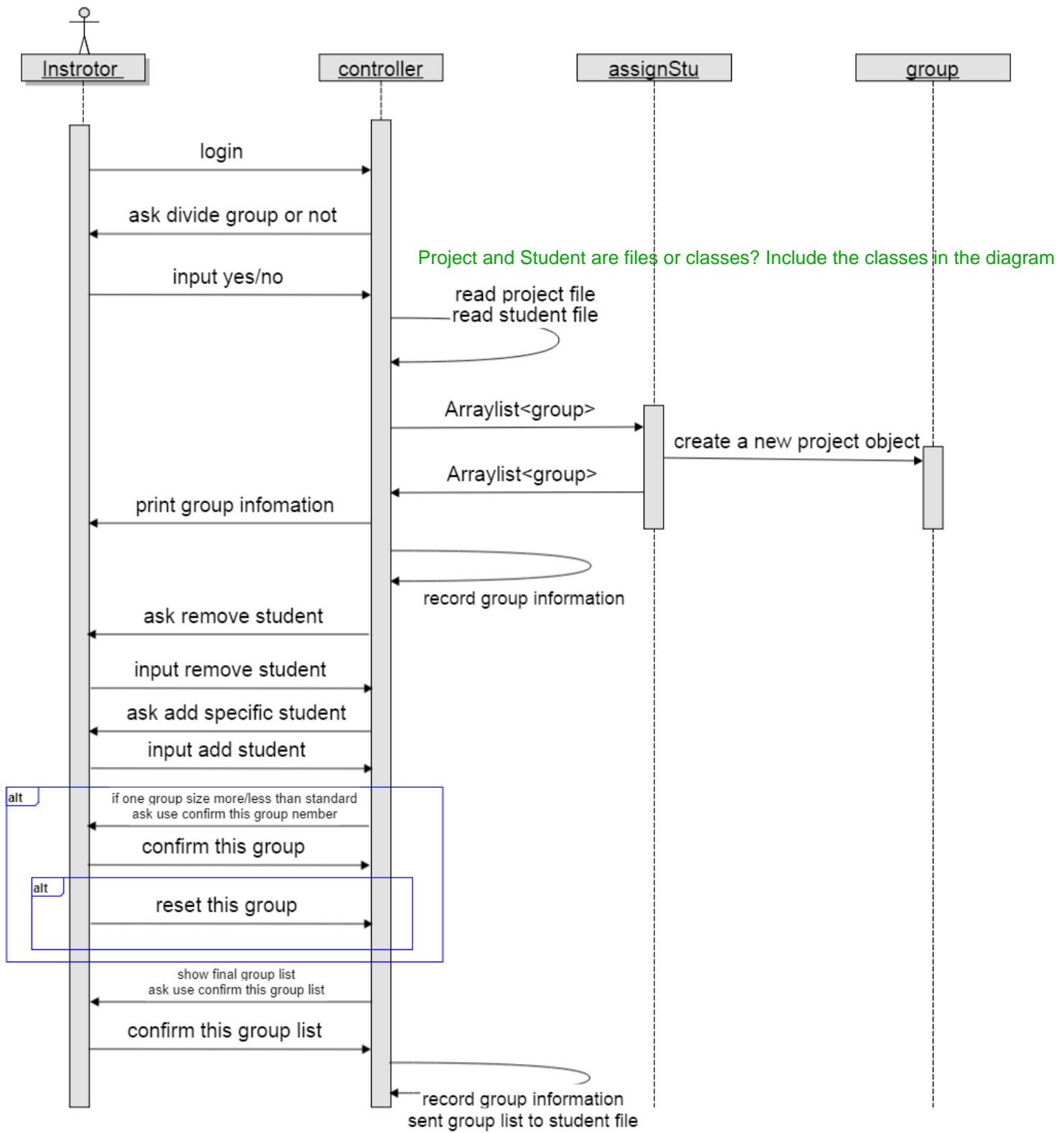
When is the system notifying the students they need to login and input their information?

Where are the Alternate Paths? What happens if the instructor wants to define group preferences? Where is that stored and how that class interacts with the controller?

Use Case2 Input student information



Use Case3
Finalize group



3 Elaborate on the main decisions that will make your software receptive to future changes.

One of change has been consider is interface, currently we only design it in command mode, It can be change to a simple GUI interface, It will easy to show the multi-list in user interface. For this changing we need design a new GUI class and read/load data from some class, but it not a big change for class itself.

The I/O part is also need be change by different database system or data file. It depend on what the data type we will get from mun system for each student's grade and the course schedules. In this situation we mainly need change some code in student and assignStu class, it also possible build a new class for read/load the mun database or given datafile. *Where is the communication with MUN system shown on your Sequence Diagrams?*

Except the possible modify of function, some details may be change by testing problem, especially some design in alternate path, it will be change instructor and student class for usr-controller part. This part of changing depend on the test result when we link the datafiles.