# Functional Requirements

## Use case/Services contracts

### Pre-conditions:

A few conditions must be met before any of the users can access and use the system.

* The user must have a functioning device capable of running the system. Devices may be a personal computer, a tablet or a mobile phone.
* The user must work on a software platform capable of running the system. That would be all the web browsers or Android operating system to run the application.
* The user must have network or internet access.
* Students may only view their own marks and information.
* If the user of the system is a student, the student must be registered for the course and have his/ her own user name and password to view their marks.
* If the user is a tutor, they have to be granted special permission to access and modify the information on the system.
* Tutors may only change and add marks for the practical session they are booked to mark.
* Tutors need to receive permission from the lecturers or Head of Department to change marks.
* The lecturers also need a username and password granting special permission to modify and view all of the information.
* The Head of Department will also need a username and password that has permission to alter the information all across the system.

### Post-conditions:

Post-conditions are the conditions that need to hold after access has been granted to the system to keep on using the system.

* The user needs to have fixed access to the network or internet to keep on using the system.
* The user needs to have permission for that specific user type to use user-specific functions in the system.
* The user needs to be automatically signed out after a set period of time when the user is inactive.

### Request and Results Data Structures