

Quality Attributes

ID	Quality Attribute	Scenario	Associated use case	Priority
STUDENT				
QA-1	Availability	The system should be watched regularly to make sure it is operating fine, in the case of an issue downtimes will be announced and the maintenance should take 4 hours. Downtime will be set for low traffic times if possible .	(UC-1) (UC-2) (UC-4) (UC-9)	H, H
QA-2	User Friendliness	As the user enters the system they will need there student login that works for all other services, Then they will be greeted with a simple UI that displays courses and important information, the user will also have the option to change the language the want to view, and there will be descriptive text when the user hovers the mouse over something	(UC-1) (UC-4) (UC-5) (UC-8) (UC-9)	H, M
QA-3	Accessibility	The system will be accessible through many devices, and will have accommodations for disabled users, giving them an experience catered to their needs	(UC-1) (UC-8)	H, H
QA-4	Security	All info is encrypted from hackers and those without direct access, students will also have the ability to change information in the case of a mistake or address change.	(UC-1) (UC-2) (UC-5) (UC-6)	H, H
QA-5	Interoperability	This system will enable the user to download their schedule in csv format. This will allow them to export their calendar and use it on a personal calendar platform.	(UC-1) (UC-2) (UC-3)	H,L
LECTURERS				
QA-6	Security	Several aspects of the system are only visible toward the lecturers. The lecturers may set content visibility on course info between the lecturers and students. Course enrolment is only acceptable with students who meet enrolment policy parameters. Only approved lecturers can view their students profiles and write to their grades.	(UC-10) (UC-13) (UC-15) (UC-16) (UC-17)	M, H
SYSTEM MAINTAINER				
QA-7	Scalability	System should be able to handle file handling when under	(UC-2)	H,

		very heavy workload like when whole class is accessing the system		H
QA-8	Maintainability	Need to be able to update components of system in order to fix errors or add onto system functionality	(UC-4), (UC-1)	M, H
QA-9	Interoperability	The system should be able to limit sizes available for when oncoming assignments are being submitted for a class	(UC-3)	L, M
ADMIN				
QA-10	Performance	Several network devices send traps to the management system peak load. 100% of the traps are successfully processed and stored.	(UC-2)	H, H
QA-11	Security	Only the administrator should be allowed to do the following: <ul style="list-style-type: none"> - update , delete or manage courses - Specify prerequisites - Appoint lecturers to courses - Specify the minimum amount of students in a course 	(UC-3) (UC-4) (UC-5) (UC-6)	H, H
QA-12	Maintainability	Needs to detect a fault in the network if it exists	(UC-1)	H, H