# CS 255 Module Two Assignment Template

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## Functional Requirements

| **Functional Requirement** | **Rationale for Requirement** | **Source(s), APA format** |
| --- | --- | --- |
| System will show current and past courses | Allow students to know what courses they are currently enrolled in and have taken. | Personal experience |
| System will show current and past instructors within each course | This will allow students to know who their instructor for each individual course was. | Personal experience |
| System will determine student or instructor based on their logins | This will allow the system to grant access to specific features that corresponds to their user type. | Personal experience |
| System will display a calendar where it will say when assignments are due for each current course | This is important for students to keep track of their assignments. | Personal experience |
| System will have a menu for each course where it will display grades of submitted assignments. | This allows for students to keep track of their standing within the course. | Personal experience |
| System will have a menu for each course where the instructor can make announcements for the current class. | This will allow open communication between students and instructors with any important information the instructor needs to announce to the class. | Personal experience |

## Nonfunctional Requirements

| **Nonfunctional Requirement** | **Rationale for Requirement** | **Source(s), APA format** |
| --- | --- | --- |
| The system will work on any web browser. | This will allow for students and instructors with different means of accessing the system to be able to participate in courses. | Dennis, A., Wixon, B. H., &amp; Tegarden, D. (2012, February). Systems analysis and design with UML, 4th Edition. O'Reilly Online Learning. Retrieved November 1, 2021, from https://learning.oreilly.com/library/view/systems-analysis-and/9781118037423/08\_chapter003.html#ch003. |
| Any interaction between the system and the user will be 2 seconds or less. | This will allow for students and instructors to be able to quickly and painlessly use the system. | Dennis, A., Wixon, B. H., &amp; Tegarden, D. (2012, February). Systems analysis and design with UML, 4th Edition. O'Reilly Online Learning. Retrieved November 1, 2021, from https://learning.oreilly.com/library/view/systems-analysis-and/9781118037423/08\_chapter003.html#ch003. |
| Only instructors can see grades of all students. | Students should not be able to see other students’ grades. Only instructors should be able to see them all. | Personal experience |
| The system will continuously update as courses progress, and as new courses are enrolled into without a user having to manually update it. | This eases the use of all as it does not require time to update the system manually, it just does it on its own as time progresses. | Personal experience |
| System shall be able to integrate any digital content a student/instructor has purchased. | This will allow for completion of coursework, which is the essential basis of online education. | Personal experience |
| System shall integrate with university’s academic advisory system. | This will allow for academic advisors to see current grades for their students and make informed choices of what course to register them for next. This will also allow for academic advisors to reach out if one of their students is struggling. | Personal experience |

## Assumptions

| **Assumption** | **Rationale for Requirement** | **Source(s), APA format** |
| --- | --- | --- |
| Users are either an instructor, student, or other school official with clearance to see grades/classwork. | This means that not some random person may make an account and start enrolling in courses. | Personal experience |
| Student users are currently enrolled in courses or recently completed a course within the past two terms. | This will mean only the currently enrolled students can actively participate in their courses. | Personal experience |

## Limitations

| **Limitation** | **Rationale for Requirement** | **Source(s), APA format** |
| --- | --- | --- |
| If the user loses internet connection, they can not actively access different pages of their courses. | This system can not be used offline to retrieve current, up-to-date modules and schoolwork, which allows them to submit completed work. | Personal experience |
| Limited mobile experience. | This makes it hard to use on a tablet or phone, which for some courses is a big deal as it may require some interactivity that does not work well. | *Limitations of off-the-shelf LMS software*. Left Brain Media. (2020, June 12). Retrieved November 3, 2021, from https://leftbrainmedia.com/limitations-of-off-the-shelf-lms-software/. |