# CS 255 Module Two Assignment Kyle Peterson

## Functional Requirements

| **Functional Requirement** | **Rationale for Requirement** | **Source(s), APA format** |
| --- | --- | --- |
| Users should be able to purchase content | The business bust be able to sell content to be a business |  |
| Users should be able to access the content they’ve paid for | The business needs to supply its users with content |  |
| Should be able to send secure messages to instructors/technical support. | Important for feedback. If something doesn’t work right, users should be able to let us know somehow. | AltexSoft. (2021, July 23). *Functional and non-functional requirements: Specification an*. https://www.altexsoft.com/blog/functional-and-non-functional-requirements-specification-and-types/ |
| Users can make an account using an email. Purchased content is attached to account | Attaching an email to an account allows for pw resets and user authentication |  |
| The system should keep reports in case of debugging/reporting for techs | Debouts are important for debugging and tracking | (AltexSoft, 2021) |
| Users should have to authenticate each time they login | We need to make sure users are who they say they are when they try to access the site. | GeeksforGeeks. (2022, December 2). *Functional vs Non Functional Requirements*. GeeksforGeeks. https://www.geeksforgeeks.org/functional-vs-non-functional-requirements/# |

## Nonfunctional Requirements

| **Nonfunctional Requirement** | **Rationale for Requirement** | **Source(s), APA format** |
| --- | --- | --- |
| Must keep users information secure/secret | We should protect customers from criminals | (AltexSoft, 2021) |
| Product should be available most of the time 23 hours per day | The software is useless if only available for 1 hour a day. 24 hour access is not feasible. 23 hours allow maintenance with service mostly available. |  |
| The processing of each request should be done in 5 seconds | There should be limits on how long users should wait. | GeeksforGeeks. (2022, December 2). *Functional vs Non Functional Requirements*. GeeksforGeeks. https://www.geeksforgeeks.org/functional-vs-non-functional-requirements/# |
| The site should be able to handle > 100 concurrent users without significant impact | There will be many users using the site during peak hours and we don’t want significant latency for them | (GeeksforGeeks) |
| User accounts should have a password recovery feature that sends a temporary password to users email for confirmation. | Security is important and and a non-functional requirement | https://users.csc.calpoly.edu/~jdalbey/SWE/QA/nonfunctional.html |
| Maintainability |  |  |

## Assumptions

| **Assumption** | **Rationale for Requirement** | **Source(s), APA format** |
| --- | --- | --- |
| Users have internet | Offline functionality is not feasible or cheap | CS 255 Sample Business Requirements Document for an ATM |
| Users have/can operate a computer. | The requirement of some kind of computer seems reasonable | “ “ |

## Limitations

| **Limitation** | **Rationale for Requirement** | **Source(s), APA format** |
| --- | --- | --- |
| Users must have internet | Users cannot access online content without the internet | CS 255 Sample Business Requirements Document for an ATM |
| Users must have a computer | Users need a computer of some kind to access the cloud based content. | “ “ |