

Quality Attributes

Usability: Our users must find the application to be efficient, effective, engaging, and intuitive to use and navigate between the different educational components. In addition, the application must have a low adoption cost that does not take away from the overall goal of delivering high quality content to K-5 students.

Measurement: Percentage of users who find the platform easy to use (0% = no users, 100% = all users)

Reliability: The application must be error-tolerant and prevent downtime from occurring specifically during school hours. Furthermore, the application must also function correctly by following the correct guidelines set by the administration to ensure the end users are viewing the correct information. This is critical for a smooth transition of content between the teachers and the students.

Measurement: percentage of time in which system is up and running (0% = system is always down, 100% = system is always up)

Expandability: The application must allow for new features over time. For example, if teachers request a feature to collaborate with one another, then the application will need to provide the means to support this.

Measurement: how quickly our team can implement a new feature (in weeks)

Customer Satisfaction: The application must be easy to use and always fit customer needs. Users should be able to report problems or provide feedback in an easy way. The application will keep innovating and provide users with better experiences.

Measurement: how quickly we acknowledge and begin working on addressing user complaints (in days)

Performance: The application must perform fluently even on slow internet connections. The application runs on a web browser; however, some families may not have access to fast internet. Therefore, the application needs to ensure a stable connection between users and our servers.

Measurement: how quickly our application responds to user interactions (in seconds, note that 0 seconds is impossible for a web app)