

Quality Attributes

ID	Quality Attribute	Scenario	Associated Use Case
QA 1	Performance	An error occurs within the system and causes it to crash. The server will continually attempt to restart on the last available backup and move onto the next if the one chosen still contains the error. The server should be able to resume operation within 1 minute.	All
QA 2	Availability	The hosting server is sent a heartbeat every 10 seconds and awaits the response from the server during normal operations. Depending on if the return time of the heartbeat is the status of the server is determined to be responsive or not. This ensures little to no downtime on the server.	All
QA 3	Modifiability	The user updates their profile with new information and projects that they've done within the server during normal operation. After these updates are made, the server's database is updated as well to ensure consistency among the entire server.	UC-6 (Share Post/Project)
QA 4	Interoperability	When a user connects to the server, the server exchanges information with the user under normal operating conditions. The user must present an OS of either Windows, OSX, or Linux, along with a browser that is either (Chrome V3.0+, Firefox V4+, IE8+). If the server reads the user information and discovers that one of these conditions are not met, the user is told "Your operating system or web browser doesn't meet our specifications" and isn't granted access.	All

Concerns

ID	Concern
CRN 1	Accomplish completion of the final system in the allotted time and resources.
CRN 2	Evenly distribute the workload within the project across the development team to fully utilize the team's capabilities.
CRN 3	Creating the first prototype model of the system's structure.

Figure 1.1.4