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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

QA-5	Usability	A user is able to upload information about themselves to create a profile within the server during normal operation. The user will send the data to the server which will be checked for any inappropriate words or phrases, then uploaded to the database. Any other user should be able to see the changes made when reviewing the user's profile within 1 minute of uploading.	UC-6 (Share Post/Project)
QA-6	Security	A user contributes to a project that they are collaborating with others on within the server during normal operation. The ability to see who and when the change to the project happened is able to be seen any time by a certain user group.	All
QA-7	Security	When a user creates their account, their password should be encrypted before saving it to the database. The reason behind this QA is that the database maintainer should not be able to access any user's password in the database	UC-1 (registration)