Assignment 1: Quality Attribute Scenario

By Sidak Singh Sra (Student ID: 0689168)

1. **A Quality Attribute Scenario - a quality attribute scenario for one of the availability tactics used.**

Source	External to System: Client
Stimulus Fault	Detect fault: Exception detection as an existing connection was forcibly closed by the client.
Artifact	Communication channels
Environment	Normal Operation
Response	Prevent the problem from escalating into a failure: 1. Locate the flaw 2. Record the problem. 3. Inform the systems and recover from the error. In this, the system encounters an socket exception and it inform/print the report on the server application that System.Net.Sockets.SocketException (10054): an existing connection was forcibly closed by the remote host. After informing, the server system will again wait for the connection to be established with client. It work normally as before with no downtime.
Response Measure	• No Downtime • Availability (e.g 99.999%) • Available • It's time to find the problem • The percentage (e.g., 99%) or rate (e.g., up to 100 per second) of a specific class of defects that the system detects or manages without breaking.