**TestAutomation.cs – Potential issues in the code**

1. **Exception Handling**
   * The test for handling QueueNameExistsException should ensure that the exception is not only thrown but also to assert that the exception is handled as expected
   * For NullReferenceException, testing should ensure that more appropriate exceptions (e.g.ArgumentNullException) are used and handled.
2. **Null Reference Handling**
   * Tests should correctly handle cases where null values are involved and handle these cases as expected.
3. **Lack of Assertions**
   * BatchMessages(): Lacks assertions to verify if the messages were sent correctly. Adding assertions will help confirm that the method performs as expected.
   * SendMessageBatchAsyncUnitTest(): Lacks assertions to confirm the outcome of sending the message. Adding assertions will validate the functionality of the message sending process**.**