Web Test Assessment Readme

Test Setup

1. Test script is developed on Microsoft Visual Studio with C# as programming language a d nUnit as the testing framework.
2. Please install MS Visual Studio with necessary packages as listed in `MS Visual Studio Setup` PDF file in the folder.
3. Once installed, open the solution using MS Visual Studio.
4. If source code unable to be executed, please refer to the screen recording for both scenario test execution on my local machine.

Test Report

1. Two test reports files in HTM format have been included together in the folder
2. However, the screenshot may not be displayed as the screenshots is stored on my local machine.
3. In a CI/CD environment, we can use AWS to store the screenshots and get the file links and the screenshots can be seen on different devices.

Source code structure

1. The **TestModules** is the folder where the test cases are executed
2. The **Data** folder is where the data is stored, such as URL to be used and loan amount
3. The **ElementContainers** folder is where the HTML object are stored in respective pages
4. The **HelperClass** folder is where the common classes are stored
5. The **PagesClass** folder is where the logic and validation happen on respective pages are stored

Flexibility and scalability

1. We can tailor the test run according to our liking. In terms of:
   1. Data – we can modify the data file inside the Data Folder
   2. Test on multiple browser – We can change the webdriver that are being used in the DriverEngine class
   3. Test run iteration – on CI/CD we can write cmd script to run the .vs source code multiple times
   4. Test cases – we can add more test cases since we already stored the POM inside our script and call upon when needed