QA Test - Automation Project Documentation

**Project specifications:**

Project Name: BlockChainIntelligenceGroup

Project Reviewer: Block Chain Intelligence Group company interviewer

Project Author: Mamoud Elsayed Ahmed Hassan

Project Type: Web UI Test Automation

Used Automation tool: Selenium

Programming language: Java

Framework: TestNG

Platform: Chrome Driver

Application Under Test: <https://arielkiell.wixsite.com/interview>

**Test-run specifications:**

Used IDE: IntelliJ IDEA 2021.2.3 (Community Edition)

Used Browser Version: Chrome, Version 111.0.5563.65 (Official Build) (64-bit)

Used Chrome Driver version: ChromeDriver 111.0.5563.64

**Project structure & workflow:**

Using POM (Page Object Modeling), application is divided to 3 main pages as classes that are:

* HomePage:
  + The main page displayed when the user clicks on the Application Under Test URL
  + It has all locators & methods used in this page
  + Also it has the ScreenShot method that is used in taking a screenshot after each step as required
* ProductPage:
  + The page to which the user is redirected when clicking on a product in home page
  + It has all locators & methods used in this page
  + Also it has the mini cart widget iframe method & locator
* MyCartPage:
  + The page to which the user is redirected when clicking on View Cart in the mini cart widget
  + It has all locators & methods used in this page
  + Also it has the total sum value on which the assertion is needed

And for test, we have 2 main testing classes:

* BaseTests:
  + It has @BeforeClass and @AfterClass methods
  + @BeforeClass: contains initiating setup needed for the driver, navigating to the AUT, maximizing the window, and declaring & initializing pages
  + @AfterClass: contains closing the browser
* Tests:
  + It has the @Test test cases, that call methods in pages to perform the required steps/verifications
  + Has only 1 test case for the only required verification

Existing/requested files & destinations:

* **testNG.xml** directly under the project folder
* **video** directly under the project folder, a record of a test execution
* **screenshots** under project/resources/screenshots folder, stores all taken screenshots (P.S: the screenshots are named as the automator want, as the screenshot method has a parameter for the image name)
* **chromedriver** under project/resources
* **thisDocument** directly under the project folder