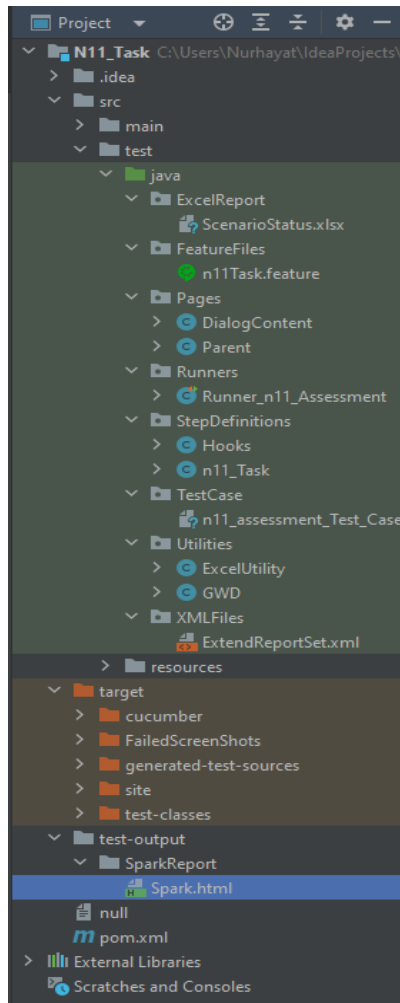Hi everybody,

You can get all information about this assignment and the framework I used for this assignment below.

My framework is structured on the basis of Cucumber BDD concept with Gherkin language. It includes 8 different packages which are FeatureFiles, StepDefinitions, Pages, Runners, Utilities, ExcelReport, TestCase, and XMLFiles. You can see the structure of my framework below:
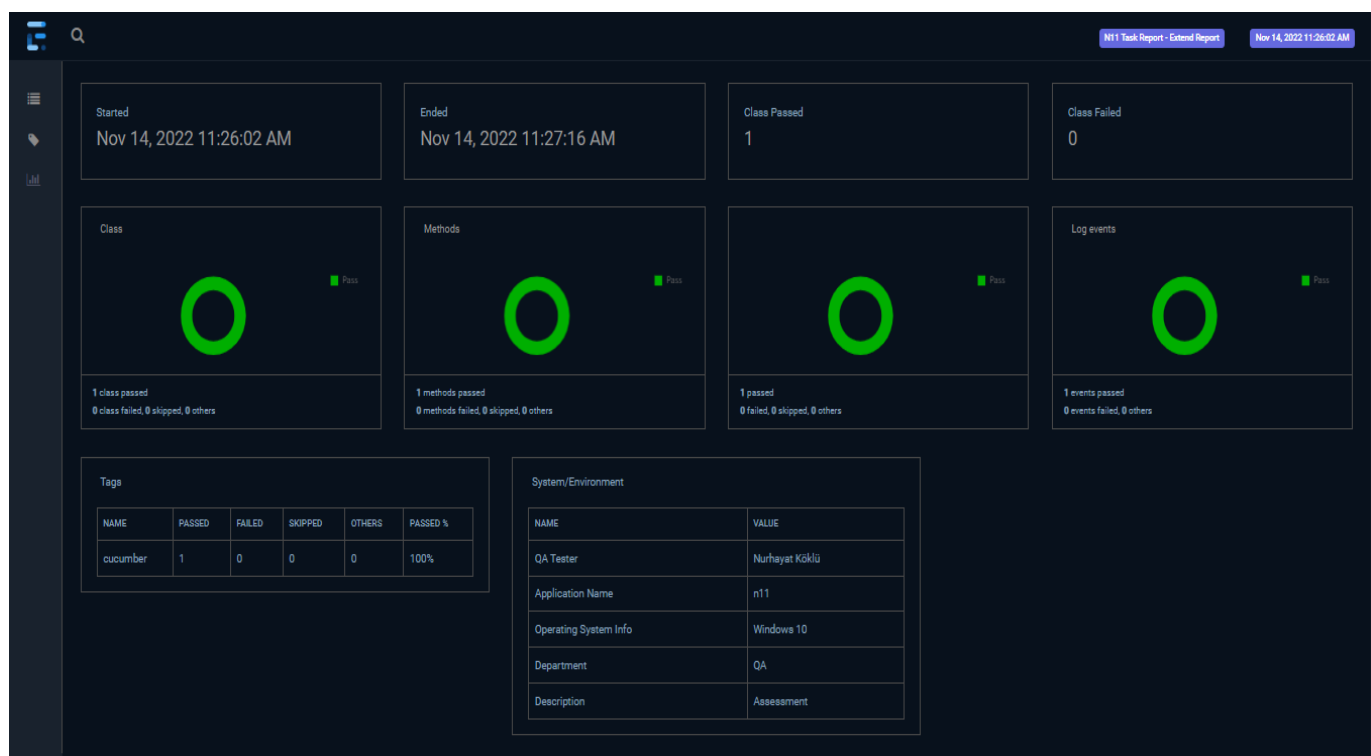

The feature file written in Gherkin language as Given-When-And-Then format includes the test steps in my test case and it is in FeatureFile package. Since steps are written in Gherkin language, anyone who has no idea about coding can easily understand what my test case and the steps involved are about.

StepDefinitions package includes the coded steps of feature file. Feature file steps are connected to n11_Task class in StepDefinitions package. In addition to this class, there is another class in my StepDefinitions package

which is Hooks. This Hooks class involves @Before and @After methods which are run each time before and after running a scenario.

My Pages package includes my Page Object Model in which all my WebElements are organized, used, and maintained. It is the object repository of my automation test which reduces code duplication and improves my test case maintenance. I've also used Page Factory so that I can use @FindBy annotation and in order to initialize my WebElements I've used initElements. My Pages package also involves a Parent Class in which all my helper methods such as sendKeysFunction, waitUntilVisible, scrollToElement, clickFunction, waitUntilClickable, verifyContainsText are included.

My Runners package includes the Runner of my test scenario. Through this Runner class, you can run multiple feature files by adding tags. Or you can run all your feature files included in your FeatureFiles package if you don't add any tags. Furthermore, you can get an html report by adding plugin or @Listeners annotation. In this task, I've added @Listeners in order to get an Extent Report after running my test scenario. Here is an example of Extent Report:

My Utilities package includes ExcelUtility and GeneralWebDriver utilities. ExcelUtility allows me to write data to an excel file or retrieve data from an

excel file. My GeneralWebDriver class set the required browsers to run my test.

ExcelReport package includes an excel file, namely ScenarioStatus which saves the scenario name, test status, browser name and the date and time of the test performed every time the test is run.

XMLFiles package includes an xml file called ExtentReportSet which has all the settings required for the extent report.

And finally my TestCase package includes my test case which clearly identifies all the test steps to test the related functionality of the web application. Here is an example of my test case:

Test case ID	Test case category	Discription /Summary Test scenario What do you test?	Environment	Scenario steps	Test data	Expected result	Actual result	Status
11_Assessment_0	Positive test case	add third product of the second page into favorites and remove the product from favorites list	https://www.n11.com/	1.Open website and click Login button	https://www.n11.com/	User should be able to open website and click login button	User can open the website and click login button	PASSED
				2.Enter valid Username and password	username: nurhayativirzivir@gmail.com - password: 9UkG8vlvq4vJhe	User should able to type username and password to the related input boxes	User can type username and password to the related input boxes	
				3.Click login button		User should be able to click the login button	User can click the login button	
				4.Scroll down until you see the buttons for the number of the pages		User should be able to scroll down until they see the buttons for the numbers of the pages	User can scroll down until they see the buttons for the numbers of the pages	
				5.Click 2 button to go to second page		User should be able to click the button for the second page	User can click the button for the second page	
				6.Click Heart-shape button (Favorilerime Ekle) in the third product of the second page to add the product to Favorites list		User should be able to click Heart-shape button in the third product of the second page	User can click Heart-shape button in the third product of the second page	
				7.Click Heart shape button (Favorilerim) at the right top of the page		User should be able to click Heart-shape button at the right top of the page	User can click Heart-shape button at the right top of the page	
				8. Click the product that has been just added to My Favorites list		Product should be present in My Favorites list and clickable	Product is present in My Favorites list and clickable	
				9. Click Delete (Sil) button next to the product		User should be able to click Delete button to remove the product from My Favorites list	User can click Delete button to remove the product from My Favorites list	