UI ASSIGNMENT FOR SDET

Hello from Gojek!

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We want to evaluate how you think about problems as a tester/programmer and the level of craft you bring while writing test automation.

Overall we are looking for not just whether you can solve the problem but also HOW you solve the problem and your Object-oriented design skills.

Rules of the Game

1. You have two full days to solve this problem.
2. You can either automate these in Web or mobile app using a UI test framework of your choice [Preferably Selenium/Appium]
3. You can choose the programming language stack of your choice and write tests using any Unit test or BDD framework. [Preferably Java, TestNG or Cucumber JVM]
4. Please ensure you create a local git repository and write frequent and explicit commits to give us an idea of how your solution evolved and give us a tarball or standard zip of project folder **[Mandatory]**
5. Please choose a suitable build tool for the language stack of your choice. We should be able to run the tests directly from the command line with a simple command. [Preferably Maven or Gradle (If Java)] **[Mandatory]**
6. Please write a brief description of your approach in a README.md file in the project root directory with steps on how to set up and run the code. **[Mandatory]**
7. Please ensure you write clean code with good naming conventions followed with sensible abstractions
8. We are interested in seeing how you make assumptions while writing code and if a particular aspect is not defined in the problem statement then what you do is your choice
9. **Please do not make this problem statement or your solution publicly available by syncing with a Remote Git repository on Github/GitLab or by posting on public forums or blogs. Any violation of this will be taken seriously and can result in rejection of your solution.**
10. We want to see how YOU solve the problem and create a framework from scratch. Any plagiarism is highly undesirable and might lower the chances of acceptance.

Problem Statement

Please investigate https://demo.midtrans.com/ website and write UI automation framework covering the below scenarios:

Must have

1.   Create an automation test script to test end to end checkout flow for purchasing "Pillow" using Credit Card as payment method. This should be a SUCCESSFUL payment flow.
   2. Create the second script to test end to end checkout flow for purchasing "Pillow" using Credit Card as payment method. This should be FAILED payment flow.
   3. Implement a reporting framework of your choice to display the test results
   4. The above tests should be cross-browser compatible on Chrome and Firefox

Test data:

Payment Type	Card Number	Expiry Date	CVV Number	Bank's OTP
Success Credit Card Payment	4811 1111 1111 1114	02/20	123	112233
Failed Credit Card Payment	4911 1111 1111 1113	02/20	123	112233

Steps to submit the assignment

1. Create a folder with your **name** and put your assignment files/folders into it and also include a **readme** with any information/steps/findings/assumptions you want to convey back to the reviewer.
2. You can email the zipped folder directly or upload it on google drive or any other file sharing drive and then share the link. **And don't forget the give sharing permissions as Public to your shared folder.**

Bonus Tips

1. A test without assertions is really of no value. Please make sure you write meaningful assertions for the steps performed.
2. Tests should be atomic in nature and fast. That means stay away from those hardcoded Thread.sleep() as much as possible. ;)
3. Use meaningful function/class names to explain the intent of your code. Comments should only explain the WHY behind the code and not the WHAT/HOW
4. Git is your friend.
5. Remember the advice of Mr. Martin Fowler: ***"Any fool can write code that a computer can understand. Good programmers write code that humans can understand."***

Lastly. Have fun! We are looking forward to your best code submission possible. All the best!