**CODED UI TEST REPORT**

|  |  |
| --- | --- |
| **Test Name：** | MOVIERENTAL-DODEDUI |
| **Test Code:** | CODEDUI-0728 |
| **Responsible Tester:** | Kimi |
| **Tester ID:** | 22001587 |
| **Executed Date:** | 02/10/2020 |
| **Test Purpose:** | Coded UI test is a kind of automated test, which is a use of software separate from the software being tested to control the execution of tests and the comparison of actual outcomes with predicted outcomes. Coded UI test can automate some repetitive but necessary tasks in a formalized testing process already in place or perform additional testing that would be difficult to do manually. Under this test, we will use MS Visual Studio Coded UI Test to do automated testing to the MovieRental application. |
| **Test Method:** | 1. New a project, choose Coded UI Test Project and name it as MovieRentalCodedUITest.   图形用户界面, 文本, 应用程序  描述已自动生成   1. Run IE Browser      1. Test Search Customer function. Click Coded UI Test Builder - Start Recording which locates at the lower right corner. Then input the IP address, which the application locates, into the IE browser address section. Since the application was stored at the IP address: <http://localhost:24817/> in my computer, I will use this address to continue the test.      1. Click Customers button in the menu bar. Then input “TAYLOR” in the search textbox. Finally click the button of “Search”. After these operations, then we click the button of Pause Recording to finish the recording.      1. After stopping the recording, then we click the button of Show Record Steps to check the recording steps. Right click the step item can delete redundant steps that we don’t need in tests.   图形用户界面, 文本, 应用程序, Word  描述已自动生成   1. If all steps are correct, then we click the button of Generate Code. In the popup, we input the method name, and finally click Add and Generate.   图形用户界面, 应用程序  描述已自动生成   1. Back to VS to check the code, we will find that the recorded code has produced into the method automatically.      1. Then we will start to insert Assert to judge if the result is as expected. Drag the Add Assertion button to the Name: Taylor Swift. Release when the blue frame locates the item.   图形用户界面, 应用程序  描述已自动生成   1. In the Add Assertion popup, we check the comparison value. Then click OK to confirm. Finally click Generate Code and input Method name for this assertion syntax.   图形用户界面, 文本, 应用程序  描述已自动生成   1. Back to VS to check the code, we will find that the assertion method has produced automatically following the recorded method.   图形用户界面, 文本, 应用程序  描述已自动生成   1. In the test explorer window, right click the test to run. Then the program will start automatically to test the application. If the testing result is same as what you expected. Then the program will give success remind or failure message will be given.      1. Apply this logic, we can build more tests to test other parts, especially those repetitive data input and operations, such as search, edit, delete, add, etc. Through automated tests, we can use codes to help us test the program, which saves us more time. For more tests, I have operated them in codes since the logic and operation is similar.   图形用户界面, 文本, 应用程序  描述已自动生成 |
| **Judgement:** | Coded UI Test is a kind of automation test to help us test the application UI functionalities. Take the application of MovieRental for example, there are some parts on the webpage may need repetitive input or operations. Manual clicks and input could be boring and waste of time. Take advantage of Coded UI test could save us more time. We record the steps and insert assertion syntax to judge the results. The program will run the tests and check the results automatically. Thru this way, we can cover as many as parts we want to test. The test efficiency and coverage could be promoted remarkably. |