**UFT Test Automation Assignment**

Group-4 Members :

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The UFT Project Requirements  
1. Use the Data-driven Automation Framework. No hard-coded values should be in the code.  
2. The use of the Object Repository is required. You can use the record option to record your  
script, however, you must add one Object manually to the Object Repository and then insert  
the associated line of the code in the script manually.  
3. Have a total of 4 Checkpoints in the script. 3 Checkpoints Pass and 1 checkpoint Fail. Use at  
least 1 Bitmap and 1 Text checkpoint, and 1 fail only once (and not 4 times).  
4. Use adequate comments in the code for clarity and better understanding.  
5. Enter legible and meaningful test data values for your automated test.  
6. Insert proper code to take screenshots of all the windows in your script for:  
• BEFORE filling out each form, and AFTER filling out each form.  
• Show the screenshots after the completion of the script, during your presentation.  
7. The script must repeat 4 times for 4 different data rows in the data sheet (for 4 different  
reservations).  
8. Log in to the application for each data sheet row (4 times).  
9. You will run your script live during the class presentation and show the results of your test in  
UFT.  
10. The Test Report should show all tests passed/failed.

1. Main Script

' Wait for the "OpenText MyFlight Sample" window to become visible

UIAWindow("OpenText MyFlight Sample").WaitProperty "visible", True

' Get the current row from the DataTable for dynamic screenshot file naming

currentRow = DataTable.GetCurrentRow

' Set the Username and Password using values

With UIAWindow("OpenText MyFlight Sample")

.UIAEdit("Username").SetValue DataTable("Username", dtGlobalSheet)

.UIAEdit("Password").SetValue DataTable("Password", dtGlobalSheet)

End With

' Click the "OK" button to submit the form

UIAWindow("OpenText MyFlight Sample").UIAButton("OK").Click

2. ToFindFlight

*' Wait for the window to be visible*  
UIAWindow("OpenText MyFlight Sample").WaitProperty "visible", **True**  
  
*' Capture screenshot with unique name*  
fileName = "E:\NEU\Term 3\INFO 6255\Sample\FlightGUITest\SS\BFSearch\_" & DataTable.GetCurrentRow & "\_" & **Replace**(**FormatDateTime**(**Now**, **vbLongTime**), ":", "") & ".png"  
UIAWindow("OpenText MyFlight Sample").CaptureBitmap fileName  
  
*' Check advertisement image checkpoint*  
**With** UIAWindow("OpenText MyFlight Sample").UIATab("Tab").UIAObject("ImageAdvertise")  
    .Check CheckPoint("Advertisement")  
**End** **With**  
  
*' Set flight search parameters using data*  
**With** UIAWindow("OpenText MyFlight Sample").UIATab("Tab")  
    .UIAComboBox("FromCity").**Select** DataTable("FromCity", dtGlobalSheet)  
    .UIAComboBox("ToCity").**Select** DataTable("ToCity", dtGlobalSheet)  
    .UIAEdit("SelectDate").SetValue DataTable("SelectDate", dtGlobalSheet)  
    .UIAComboBox("SeatClass").**Select** DataTable("SeatClass", dtGlobalSheet)  
    .UIAComboBox("NumOfTickets").**Select** DataTable("NumOfTickets", dtGlobalSheet)  
**End** **With**  
  
*' Capture screenshot after*  
fileName = "E:\NEU\Term 3\INFO 6255\Sample\FlightGUITest\SS\AFSearch\_" & DataTable.GetCurrentRow & "\_" & **Replace**(**FormatDateTime**(**Now**, **vbLongTime**), ":", "") & ".png"  
UIAWindow("OpenText MyFlight Sample").CaptureBitmap fileName  
  
*' Click the "Find Flights" button to search for available flights*  
UIAWindow("OpenText MyFlight Sample").UIATab("Tab").UIAButton("FindFlights").Click

3. BookFLight

' Wait for the window to become visible

UIAWindow("OpenText MyFlight Sample").WaitProperty "visible", True

' Get the current row for dynamic screenshot file naming

currentRow = DataTable.GetCurrentRow

' Capture screenshot before

fileName = "E:\NEU\Term 3\INFO 6255\Sample\FlightGUITest\SS\BFSelected\_" & DataTable.GetCurrentRow & "\_" & Replace(FormatDateTime(Now, vbLongTime), ":", "") & ".png"

UIAWindow("OpenText MyFlight Sample").CaptureBitmap fileName

' Click on the selected flight row if valid

If IsNumeric(DataTable("SelectedFlightRow", dtGlobalSheet)) Then

UIAWindow("OpenText MyFlight Sample").UIATable("FlightsDataGrid").ClickRow CInt(DataTable("SelectedFlightRow", dtGlobalSheet))

End If

' Capture screenshot after selecting the flight

filePath = "E:\NEU\Term 3\INFO 6255\Sample\FlightGUITest\SS\AFSelected\_" & DataTable.GetCurrentRow & "\_" & Replace(FormatDateTime(Now, vbLongTime), ":", "") & ".png"

UIAWindow("OpenText MyFlight Sample").CaptureBitmap filePath

' Click the "Select Flight" button

UIAWindow("OpenText MyFlight Sample").UIAButton("SelectFlight").Click

' Wait for the next window or form to be visible

UIAWindow("OpenText MyFlight Sample").WaitProperty "visible", True

' Capture screenshot before filling in the purchase form

filePath = "E:\NEU\Term 3\INFO 6255\Sample\FlightGUITest\SS\BPurchase\_" & DataTable.GetCurrentRow & "\_" & Replace(FormatDateTime(Now, vbLongTime), ":", "") & ".png"

UIAWindow("OpenText MyFlight Sample").CaptureBitmap filePath

'UIAWindow("OpenText MyFlight Sample").UIATab("Tab").UIAObject("WpfImage\_2").Check CheckPoint("WpfImage")

' Set passenger name based on the DataTable value

With UIAWindow("OpenText MyFlight Sample")

.UIAEdit("PassengerName").SetValue DataTable("Passenger", dtGlobalSheet)

End With

' Perform checkpoints for verifying image, price, and passenger name

With UIAWindow("OpenText MyFlight Sample")

.UIAObject("FlightImage").Check CheckPoint("FlightImage")

.UIAObject("Price").Check CheckPoint("Price")

.UIAEdit("PassengerName").Check CheckPoint("PassengerName")

End With

' Capture screenshot after filling in the purchase form

filePath = "E:\NEU\Term 3\INFO 6255\Sample\FlightGUITest\SS\APurchase\_" & DataTable.GetCurrentRow & "\_" & Replace(FormatDateTime(Now, vbLongTime), ":", "") & ".png"

UIAWindow("OpenText MyFlight Sample").CaptureBitmap filePath

' Confirm the flight order by clicking the "Order" button

UIAWindow("OpenText MyFlight Sample").UIAButton("Order").Click

' Close the window after completing the process

UIAWindow("OpenText MyFlight Sample").Close

Test Result:

A screenshot of a computer

Description automatically generated