实验3，正则表达式:

'RegExp Function

Function RegExpTest(patrn, strng)

Dim regEx, Match, Matches,

str ,count

Set regEx = New RegExp

count = 0

regEx.Pattern = patrn

regEx.IgnoreCase = True

regEx.Global = True

Set Matches = regEx.Execute(strng)

For Each Match in Matches

'

str = str & "Match found at

position

"

'

str = str & Match.FirstIndex & ".

Match Value is

'"

'

str = str & Match.Value & "'." &

vbNewLine

count = count +1

Next

RegExpTest = count

End Function

Sub FindTextInFile()

Dim

filePath,text,pattern,result,fso,file

filePath =

"C:\Users\Administrator\Desktop\软件

测试实验\《红楼梦》作者：曹雪芹.txt"

Set fso =

CreateObject("Scripting.FileSystemObj

ect")

Set file =

fso.opentextfile(filePath,1,true)

text = file.ReadAll

file.close

pattern =

"(贾宝玉|宝玉|混世魔王|

绛洞花王|富贵闲人|无事忙|怡红公子|文

妙真人|情公子|多情公子|神瑛侍者|情哥

哥)"

result = RegExpTest(pattern,text)

msgbox result

End Sub

FindTextInFile

登录模块功能测试代码：

' 初始化 Excel 对象

Dim objExcel, objWorkbook, objSheet

Set objExcel = CreateObject("Excel.Application")

Set objWorkbook = objExcel.Workbooks.Open("C:\Users\11765\Desktop\qtp测试\qtp案例测试.xlsx")

Set objSheet = objWorkbook.Sheets(1)

' 获取测试用例数量

testCaseCount = objSheet.UsedRange.Rows.Count

msgbox testCaseCount

' 初始化测试结果统计

Dim passCount, failCount

passCount = 0

failCount = 0

' 遍历所有测试用例

For i = 2 To testCaseCount ' 从第二行开始，第一行是标题

' 读取输入数据和预期输出

loginName = objSheet.Cells(i, 2).Value

loginPass = objSheet.Cells(i, 3).Value

expectedResult = objSheet.Cells(i, 4).Value

actualResult = ""

'启动程序

SystemUtil.Run "E:\qtp\samples\flight\app\flight4a.exe"

wait 2

' 执行登录操作

Dialog("Login").WinEdit("Agent Name:").Set loginName

Dialog("Login").WinEdit("Password:").Set loginPass

Dialog("Login").WinButton("OK").Click

Reporter.ReportEvent micDone, "登录", "开始登录操作"

' 验证并记录实际输出

If Dialog("Login").Dialog("Flight Reservations").Exist Then

If Dialog("Login").Dialog("Flight Reservations").Static("text:=Please enter agent name").Exist Then

actualResult = "用户名不能为空"

ElseIf Dialog("Login").Dialog("Flight Reservations").Static("text:=Agent name must be at least 4 characters long.").Exist Then

actualResult = "用户名必须大于4个字符"

ElseIf Dialog("Login").Dialog("Flight Reservations").Static("text:=Please enter password").Exist Then

actualResult = "密码不能为空"

ElseIf Dialog("Login").Dialog("Flight Reservations").Static("text:=Incorrect password. Please try again").Exist Then

actualResult = "密码输入错误"

ElseIf Dialog("Login").Dialog("Flight Reservations").Static("text:=Password must be at least 4 characters long").Exist Then

actualResult = "密码必须大于4个字符"

Else

actualResult = "输入异常错误"

End If

Dialog("Login").Dialog("Flight Reservations").WinButton("确定").Click

Dialog("Login").WinButton("Cancel").Click

Else

actualResult = "登录成功"

Window("Flight Reservation").Close

End If

' 将实际输出和测试结果写入 Excel

objSheet.Cells(i, 5).Value = actualResult

If actualResult = expectedResult Then

objSheet.Cells(i, 6).Value = "Pass"

passCount = passCount + 1

Else

objWorkbook.Close

objExcel.Quit

Set objSheet = Nothing

Set objWorkbook = Nothing

Set objExcel = Nothing

Qtp参数化测试

' 从数据表中读取用户名和密码

Dim agentName, password

agentName = DataTable("Agent Name", dtGlobalSheet) ' 用户名

password = DataTable("Password", dtGlobalSheet) ' 密码

' 输入参数化的用户名和密码

Dialog("Login").WinEdit("Agent Name:").Set agentName

Dialog("Login").WinEdit("Password:").Set password

' 点击登录按钮

Dialog("Login").WinButton("OK").Click

' 验证是否成功登录

If Window("Flight Reservation").Exist Then

Reporter.ReportEvent micPass, "Login Test", "Login successful for user: " & agentName

Else

Reporter.ReportEvent micFail, "Login Test", "Login failed for user: " & agentName

End If

脚本分离：

### ****完整示例****

#### ****函数库（FunctionLibrary.qfl）****

#### 复制代码

Public Function Login(agentName, password)

Dialog("Login").WinEdit("Agent Name:").Set agentName

Dialog("Login").WinEdit("Password:").Set password

Dialog("Login").WinButton("OK").Click

If Window("Flight Reservation").Exist Then

Reporter.ReportEvent micPass, "Login", "Login successful for user: " & agentName

Login = True

Else

Reporter.ReportEvent micFail, "Login", "Login failed for user: " & agentName

Login = False

End If

End Function

#### ****主脚本****

vbscript

复制代码

SystemUtil.Run "Flight4A.exe" ' 启动程序

' 从数据表读取参数

Dim agentName, password

agentName = DataTable("Agent Name", dtGlobalSheet)

password = DataTable("Password", dtGlobalSheet)

' 调用登录功能

Dim result

result = Login(agentName, password)

If result Then

Reporter.ReportEvent micPass, "Test Case", "Test case passed for user: " & agentName

Else

Reporter.ReportEvent micFail, "Test Case", "Test case failed for user: " & agentName

End If