页面检查点的创建与维护

用于检查网页的加载时间,图片数量,链接数量,以及链接是否否正常可用等 以本公司使用的事务管理系统 Issue Tracker 为例,创建页面检查点

1) 录制脚本,步骤如图

登录

	用户登陆
用户名	wang-changhong
密码	•••
中文	▶ □记住我的信息
(c) 2006.	

进入 tracker 系统,检查此画面的链接和图片

系統	統配置 项目配置	项目事务 查询统计 部门	事务	0	
計再构筑 ask管理	.80 单纯 式样 式样	*管理 质问 变更 确认		相关 我担当的 我创建的 我回答的	
	章5	营理		状态 打开 处理中 关闭	
	WB	S管理			

脚本如下:

Browser("项目跟踪系统-用户登陆").Page("项目跟踪系统-用户登陆").WebEdit("txtUsername").Set "wang-changhong"

Browser("项目跟踪系统-用户登陆").Page("项目跟踪系统-用户登陆").WebEdit("txtPassword").SetSecure "48edb4d9cde169cbdd56f3ca"

Browser("项目跟踪系统-用户登陆").Page("项目跟踪系统-用户登陆").WebButton("登

录").Click

Browser("项目跟踪系统-用户登陆").Page("项目总括").Link("注销").Click Browser("项目跟踪系统-用户登陆").Page("项目跟踪系统-用户登陆").Sync Browser("项目跟踪系统-用户登陆").Close

2) 添加页面检查点

选择要添加检查点的页面,右键,在弹出的菜单中选择"Insert Standard Checkpoint"

ltem	Operation	Value		Documentation	
🔻 🥔 Action1					
▼ 💋 项目跟踪系统用户登陆					
🔻 🎝 项目跟踪系统 用户登陆					
5 ⁴⁴¹ txtUsername	Set	"wang•cha	inghong''	Enter "wang-cha	nghong" in the "txtUsername" edit box.
5 ^{esc} txtPassword	SetSecure	"48edb4d9	Ocde169cbdd56f3ca''	Enter the encrypt	ted string "48edb4d9cde169cbdd56f3ca" in the "txtPassword" edit box.
元 登录	Click			Click the "登录"	button.
🕨 🎝 项目总括			Object Proceeding	chlicher.	
🕞 项目跟踪系统 用户登陆	Sync		Object Properties	Ctri+Enter	page to synchronize before continuing the run.
🔊 项目跟踪系统用户登陆	Close		Insert Standard Checkpoint	F12	L.
			Insert Output Value	Ctrl+F12	
			Insert Ne <u>w</u> Step	F8, Ins	
			Insert New Step After Block	Shift+F8	
			Insert <u>S</u> tep	•	
			Action	÷	

弹出页面检查点的属性界面

🗸 Р	age C	heckpoint Prop	erties			
Nar Cla:	ne:] ss:	项目总括 ^D age				
	Туре	Property		Value	~	
P	ABC	load time	0			
P	ABC	number of images	2			
N	ABC	number of links	18			
					_	
		1	1		×	
-	~					
	onfigure	value				
6	Cons	tant 0				
0	Para	meter				
	Data	Table!" load time"	dtGlobalSheet)			
	10 an	, abio(_load				
	[ML ve	rification		-1		
	HIM	IL source Edit	HIML Source	· _		
Г	- HTM	1L tags Edit	HTML Tags			
All	object:	s in page				
R	Link	s Filter	Link Check			
	Z Imac	ies Filter	Image Check			
	Brok	en links				
Che	ckpoint	timeout: 0 sec	onds			
Inse	rt state	ment: 💌 Before	current step	After curre	ent step	
		Οκ	Cance		Help	

3) 当执行测试时,QuickTest 会检查网页的链接与图片的数量以及加载时间,如上图所示。 同时也检查每个 link 的 URL 以及每个图片的原始文件是否存在。接受默认值,点选【ok】, 即完成了添加页面检查点。

Item	Operation	Value	Documentation
🕶 🥔 Action1			
✔ 🝠 项目跟踪系统 用户登陆			
🕨 🖓 项目跟踪系统用户登陆			
▶ 🔂 项目总括	Check	CheckPoint("项目总括")	Check whether the '项目总括''Web page has the proper values for the selected properties.
🔄 🔂 项目跟踪系统 用户登陆	Sync	Param 1	Checkpoint Properties to synchronize before continuing the run.
└ 🖉 项目跟踪系统用户登陆	Close		Close the browser.

4) 维护测试的说明

上面的脚本是在 http://172.25.65.8/ProjectTracker/Default.aspx 录制的。当变更为 <u>http://172.25.72.8/ProjectTracker/Default.aspx</u>以后,脚本设置要修改以后才能在新的站 点运行,否则无法执行测试造成测试结果 Fail

A、选择菜单的【Test】->【Record and Run Settings】

🙋 Test1 - QuickTest	Professional		
File Edit View Insert	Test Step Debug Tools Help		
D 🚅 🖬 🎒 🎒	● <u>R</u> ecord F3		
	▶ Ru <u>n</u> F5		
Record Run	Stop F4		
Item	Run from Step	ation	Value
🔫 🥔 Action1	Update Run		
🚽 🗸 🔊 项目跟踪系	Analog Recording Ctrl+Shift+F4		
▶ 🔂 项目跟踪	🗽 Low Level Recording Ctrl+Shift+F3		
▶ 👌 项目总提	Settings		CheckPoint('项目总括'') ✓
「「」」「切目跟踪	Record and Run Settings		Param 1
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	Results		

B、修改 Address 为新的地址,如 http://172.25.72.8/ProjectTracker/Default.aspx, 点【ok】

Record and Run Settings	×
Web Windows Applications	
 Record and run test on any open Web browser Open the following browser when a record or run session begins Browser details: 	
Туре:	
Microsoft Internet Explorer	
Address: http://172.25.55.8/ProjectTracker/Default.aspx	
Do not record and run on browsers that are already open	
Close the browser when the test closes	
Note: You can also use environment variables to set the Record and Run Settings. Click Help for more information.	
OK Cancel Apply Help	

C、修改页面检查点的图片以及链接地址

点击相应检查点右侧的🖌

Operation	Value	Documentation
Check	CheckPoint("项目总括")	Check whether the '项目总括''Web page has the proper values for the selected prope
Sync	Param 1	Checkpoint Properties to synchronize before continuing the run.
Close		Close the browser.
	Operation Check Sync Close	Operation Value Check CheckPoint("项目总括") Sync Param 1 Close

弹出页面检查点属性对话框

Page Checkpoint	Propertie	s	
Name: 项目总括			
Class: Page			
Time Dree	north.	Valu	
Type Pro	perty	Valu 0	e 🛆
Marcen number of in	nages	2	
Marcen number of li	nks	18	
Configure value			
Constant 0			
C Parameter			
DataTable("_load	_time'', dtGl	obalSheet)	
,			
HTML verification			
HTML source	Edit HTM	L Source	
HTML tags	Edit HTM	L Tags	
All objects in page			
🔽 Links	Filter Link	Check	
🔽 Images	Filter Imag	ge Check	
🔽 Broken links			
Checkpoint timeout:			
checkpoint timeout. Jo	seconds	, 	
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	OK	Cancer	
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在[Link URL]处修改链接地址为新的地址,点【ok】。

以同样的方式修改图片的地址,即完成了脚本的维护,可正常运行之前录制的脚本进行 测试了。

运行结果如图:

Untitled Test [Res1] - Test Results			
File View Tools Help			
☞ 를 꾹 @ ₽ ⋒ ጚ ዒ + → ?			
E Visited Test Summary			
Run-Time Data	Standard Checkpoint	"项目总括": Passed	
	Date and Time: 2008-10-9 - 16:06:3-	4	
日	Details		
》"注销":Click	Page Check		
王 J 坝目砌际系统-用尸鱼陆	Property Name		Property Value
Car.	load time		"0"
	number of images		"2"
	number of links		"18"
	Checking the links captured ad	dresses vs. the expected ones	
	Link Name		Url
	 注销		"http://172.25.72.8/ProjectTracker/Default.aspx"
	Skip Navigation Links		"http://172.25.72.8/ProjectTracker/IssueManager/Is
	系统配置		"http://172.25.72.8/ProjectTracker/Config/DepInfo.c
	1		"javascript_doPostBack("ctl00\$TopHeaderContr
	项目配置		"http://172.25.72.8/ProjectTracker/ProjectManager
			"javascript_doPostBack("ctl00\$TopHeaderContr
	项目事务		"http://172.25.72.8/ProjectTracker/IssueManager/Is
	1		"javascriptdoPostBack("ctl00\$TopHeaderContr
	查询统计	k	"http://172.25.72.8/ProjectTracker/Report/Report.a
	1		"javascript_doPostBack("ctl00\$TopHeaderContr
	部门事务		"http://172.25.72.8/ProjectTracker/IssueManager/E
	Skip Navigation Links		"http://172.25.72.8/ProjectTracker/IssueManager/Is
	Task管理		"javascriptdoPostBack('ctl00\$mnuElements','43
	Q&A管理		"http://172.25.72.8/ProjectTracker/IssueManager/Is
	相关		"http://172.25.72.8/ProjectTracker/IssueManager/Is
	障碍管理		"http://172.25.72.8/ProjectTracker/IssueManager/Is
	状态		"http://172.25.72.8/ProjectTracker/IssueManager/Is
	WBS管理		"http://172.25.72.8/ProjectTracker/IssueManager/Is
	Checking the images captured	addresses vs. the expected ones	
	Image Name		Source
	Skip Navigation Links		"http://172.25.72.8/ProjectTracker/WebResource.c d=6tczpnbP6ITOwtRBtlrwKA2&t=633546627794843
	<		