**Telerik QA Track 2015**

**Exam #2 Preparation**

## Test

Test part URL: <https://testmoz.com/169646>

Test user: username from student system (<http://telerikacademy.com/>)

Test pass: qaacademy2015

## Decision Table

Create a decision table for the following case:

A telephone company service plan charges 25 cents for each call made. In addition, it charges 5 cents a minute for all calls made to a phone number that has a service plan with the company. Or, if the call is to a phone that does not have a service plan with the company, it charges 15 cents a minute for calls that last less than 20 minutes or ten cents a minute for calls that last 20 minutes or longer.

## Equivalence partitioning and Boundary Value Analysis

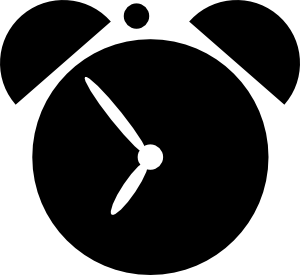
Go to <http://demos.kendoui.com/web/listview/editing.html>. Use Equivalence Partitioning and Boundary Value analysis to design test cases for Product Name, Unit Price and Units in Stock when adding a new record. Write the cases you’re going to cover and the expected result (success / error message / not accepted (no action) etc.) in a table like the one below.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Product Name** | | | **Unit Price** | | | **Unit in Stock** | | |
| **Logical Test Cases** | **Concrete Test Cases** | **Expected Result** | **Logical Test Cases** | **Concrete Test Cases** | **Expected Result** | **Logical Test Cases** | **Concrete Test Cases** | **Expected Result** |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

## State Transition Table

You have an alarm clock where alarms can be added, set and deleted. When we set an alarm it is automatically turned on and activates when the time of the alarm comes. While it’s active you can either snooze or stop it. You can deactivate the alarm by turning it off or deleting it.

Slider turning alarm on and off



7

00

Snooze

Stop

7

00

Set

Cancel

Alarms

07:00

Off: Work

08:00

On: Tuesdays

add

delete

Your task is to prepare a State transition table. (Use the table below as a template)

|  |  |  |  |
| --- | --- | --- | --- |
| **State** | **Event** | **Action** | **Next State** |
|  |  |  |  |
|  |  |  |  |

## Sikuli

### Problem 1

Make the following test using Sikuli with basic framework.

* Navigates to <https://platform.telerik.com/> (assume login is cached – user:qatrack2016@telerik.local, pass:qatrack2016)
* Create an app (you should consider using unique name)
* Open *Properties* -> *Plugins*
* Disable *Debug* build configuration for *Battery* plugin. Verify that the configuration is correct (Debug is disabled, Release is enabled) (Video: <http://screencast.com/t/cndcb13DsW>)

### Problem 2

Make the following test using Sikuli with basic framework.

* Open Paint
* Select circle from Shapes and green from Colors
* Draw a green circle
* Save the picture
* Open Paint again and load the picture. Verify that the correct picture is loaded

Report your test results in HTMLTestRunner format.

## Telerik Testing Framework

### Problem 1

Make functional web tests using Telerik Testing Framework. The tests should navigate to the following URL: <http://demos.telerik.com/aspnet-ajax/grid/>

### ClientDataSource

* Navigate to all controls, chose ClientDataSource and verify you are on the correct page
* From left menu select Application Scenarios -> Integration with RadGrid and verify you are on the correct page
* Verify Add new record functionality works correctly

### Data Form

* Navigate to all controls, chose Data Form and verify you are on the correct page
* From left menu select Application Scenarios -> Integration with RadGrid and verify you are on the correct page
* Verify Edit functionality works correctly

### Problem 2

1. Make functional web tests using Telerik Testing Framework. The tests should navigate to the following URL: <http://demos.telerik.com/aspnet-ajax/>

* Search for “Grid Filtered by Combo” demo and click on some of the results
* Verify that the correct demo is loaded
* Test filtering

Select “Regina Murphy” from the combo box and verify that 3 rows are displayed in the grid

* Test paging

Change the page size and verify the rows number in the table

1. Navigate to <http://demos.telerik.com/aspnet-ajax/>

* Search for “Automatic Operations” demo and click on the result
* Verify the correct demo is loaded
* Verify Contact Title column by Contact Name column

Select some contact name and verify its contact title  
Hint: You may use XPath Axes ☺

* Test paging

Change the page size and verify the rows number in the table

Think how to reuse your code.