

Telerik QA Academy – Intermediate Exam #2 – July 2013

Problem 1. 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.

Problem 2. Sikuli

Go to [here](#) (or [here](#)) where you will find 2 similar pictures. Your task is to find the differences and highlight them consequently, first on the left then on the right picture using Sikuli IDE. Find at least 4 differences. Record the test using up to 5 pictures. The Red and blue vertical lines and the ruler could be useful. The size of the highlighted area doesn't matter, as long as it clearly shows the differences.

- ✓ Try to port to HTMLTestRunner format the tests and execute it.

Hint: Consider reusing your code.

Problem 3. Test Studio Stand Alone

Make functional web tests using Test Studio.

Download the project [here](#):

Run the project following this steps:

1. Unzip the project
2. Open Visual Studio and choose File -> Open -> Web Site
3. Navigate to the unzipped project
4. Run the project

Once you run the project record the following tests:

- ✓ Create a new record.
- ✓ Add a data source to the test above for Product Name and Unit Price value. The data source should look like this:

Product Name	Unit Price
Product1	1
Product2	2
Product3	3

- ✓ Filter the products by Product Name *Contains* "Product".
Use coded step for the following validations:
 - Vetify that the **Count** in the footer shows 3.
 - Verify that the **First** element in the footer displays the first row's Product name.
 - Verify the products are filtered by checking if the sum of the unit prices of the three products equals the **Sum** of the footer.
- ✓ Verify that the editing and deleting is working correctly. Use coded step(s) for clicking (locating) the elements and validations.

Hint: Using **Reset Date to its initial state** button might be useful.

Problem 4. Test Studio Framework

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

- ✓ Navigate to all controls, chose ContextMenu and verify you are on the correct page.
- ✓ From Other Context Menu Examples select RadTreeView Integration and verify you are on the correct page.
- ✓ Verify the Item selection is working correctly (Select an Item and verify that it is selected)
- ✓ Create a child Item under Inbox(14)
 - Rename the Item and verify that it is renamed
 - Delete the Item and verify that it is deleted

Terms and Conditions:

During the exam you are allowed to use any teaching materials, lectures, books, existing source code, and other paper or Internet resources.

Direct or indirect communication with anybody in class or outside is forbidden. This includes but does not limit to technical conversations with other students, using mobile phones, chat software (Skype, ICQ, etc.), email, forum posts, etc.

Exam Duration:

Students are allowed to work up to 5 hours.