Programming with Visual HTML Editor

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Introduction

Limnor Studio provides two web page editors: Web Form Editor and Visual HTML Editor. See
http://www.limnor.com/support/webEditors.pdf. This document shows programming samples using the
Visual HTML Editor.

One sample is to develop a web page for sending emails. It uses text boxes for the visitor to enter email
recipients, email subject and email body. It uses a button to send email. It uses a database to record the
time used for sending the email.

One sample is to use data-binding to link databases to HTML elements. Data from database are
automatically displayed on HTML elements. The visitor enters data into HTML elements and the data are
saved back to the databases.

One sample is to use File Upload element to upload files to web server.

Use Visual HTML Editor

See http://www.limnor.com/support/WebHtmlEditorProgramming1.pdf

Web Programming

See http://www.limnor.com/support/WebHtmlEditorProgramming2.pdf

Data binding

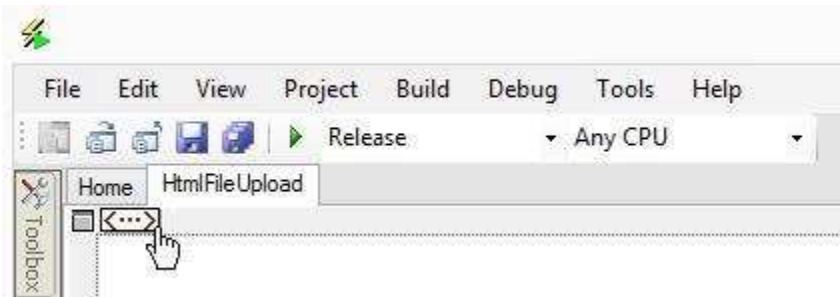See http://www.limnor.com/support/WebHtmlEditorProgramming3.pdf
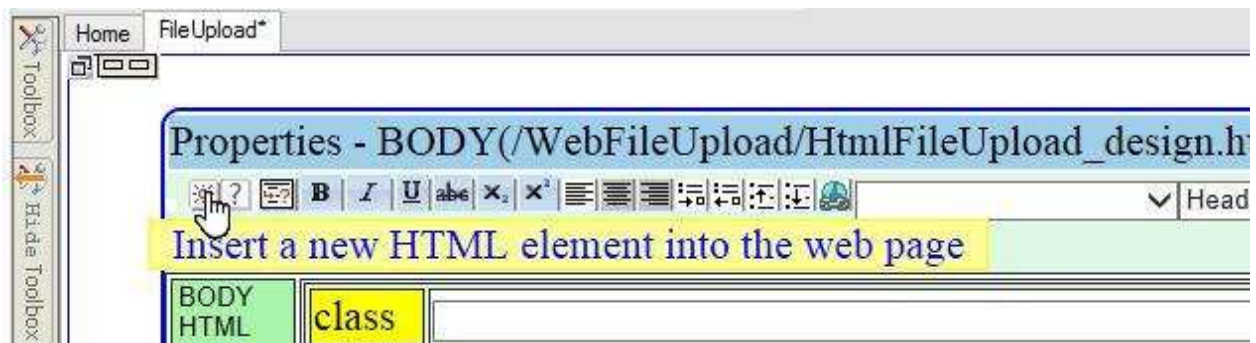
File Upload

For this sample, we use a file upload element for the visitor to select a file from the local computer. We use a button to trigger file upload and save the file to a folder on the web server. We also show how to limit file size and file types to be uploaded.
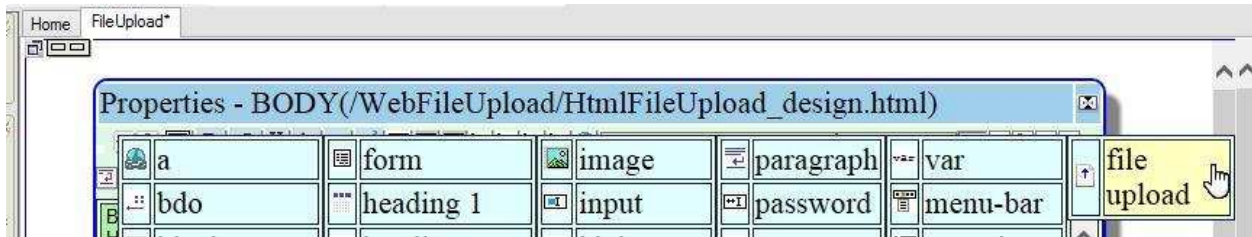
Add file upload element

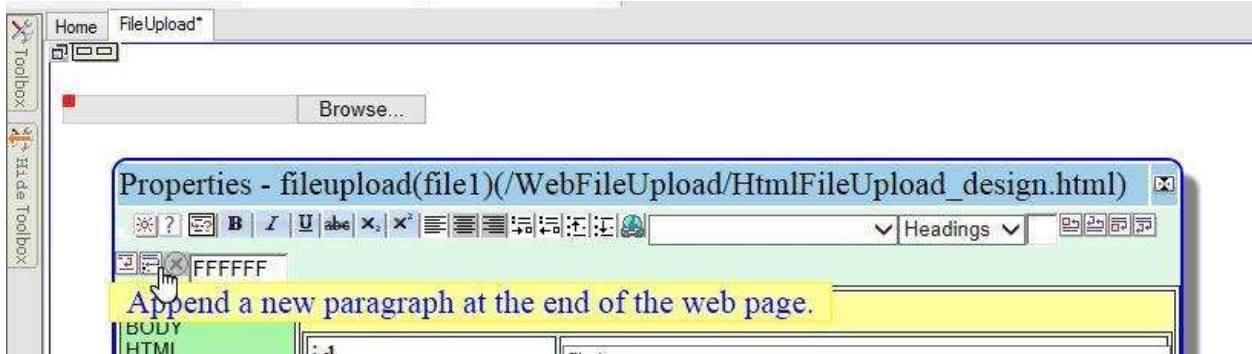Click to switch to the Visual HTML Editor to design web user interface.
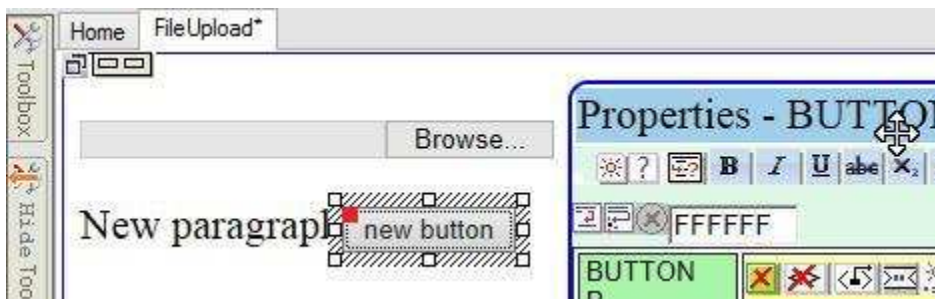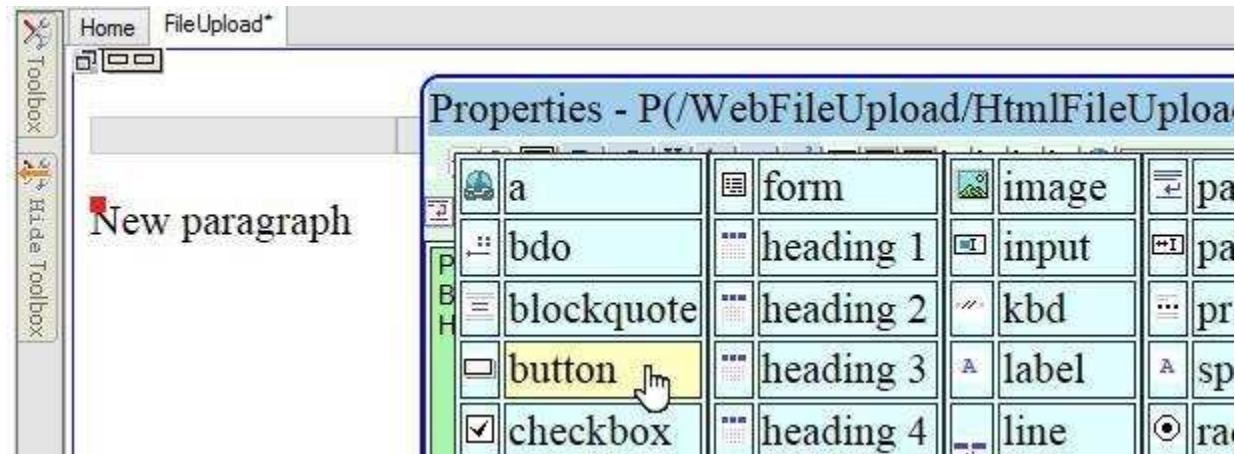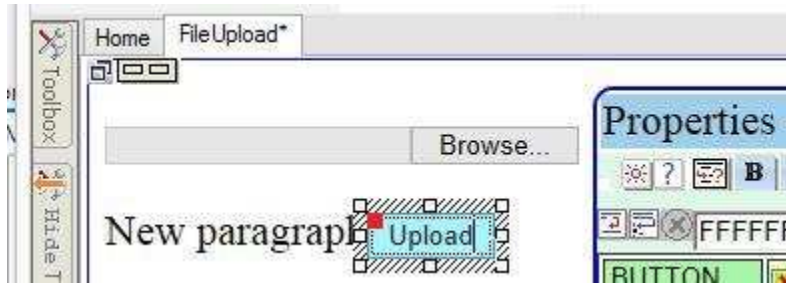

Add file upload element:

A file upload element appears on the web page. Click to add a new paragraph at the end of the page:

Add a button in the new paragraph:
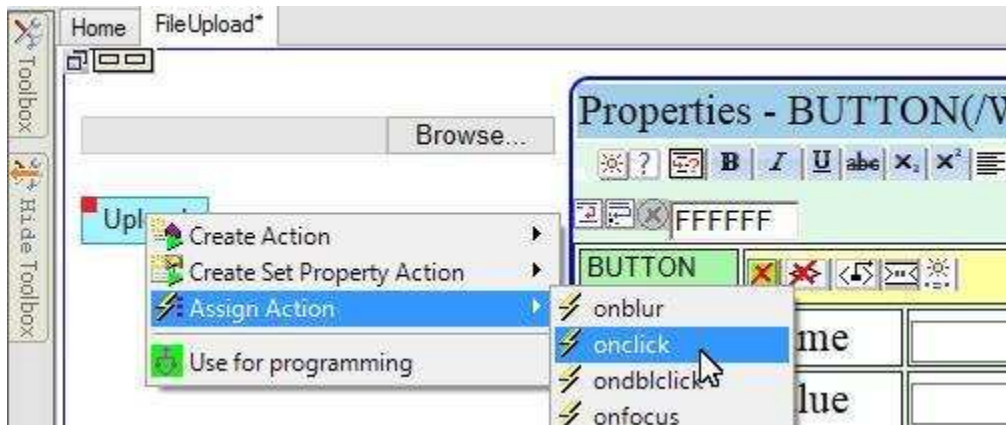
Change the caption of the button to "Upload":

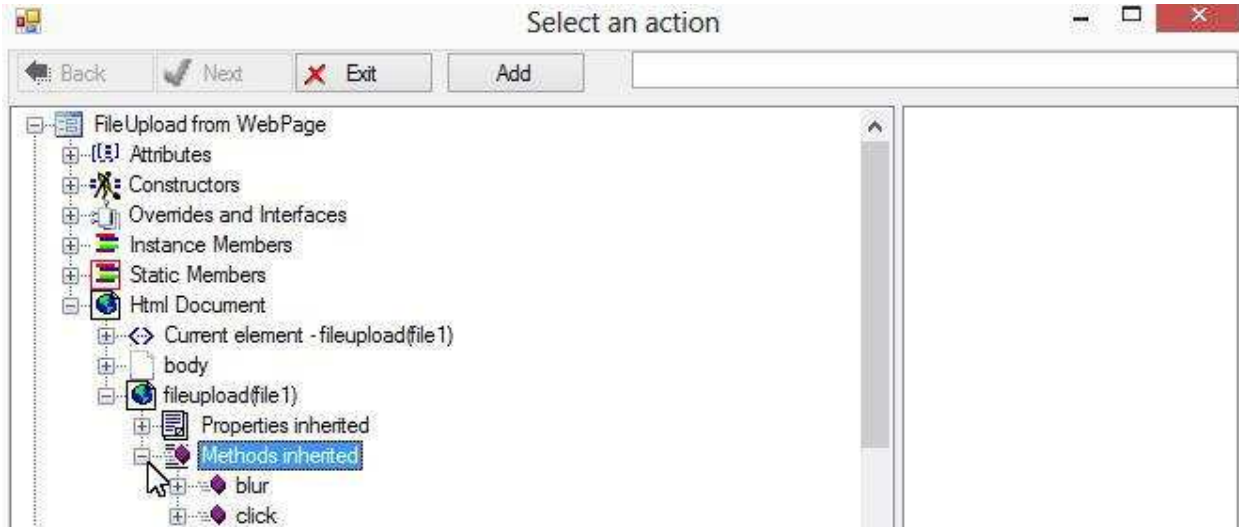Remove unwanted words. This is our simple web page layout:
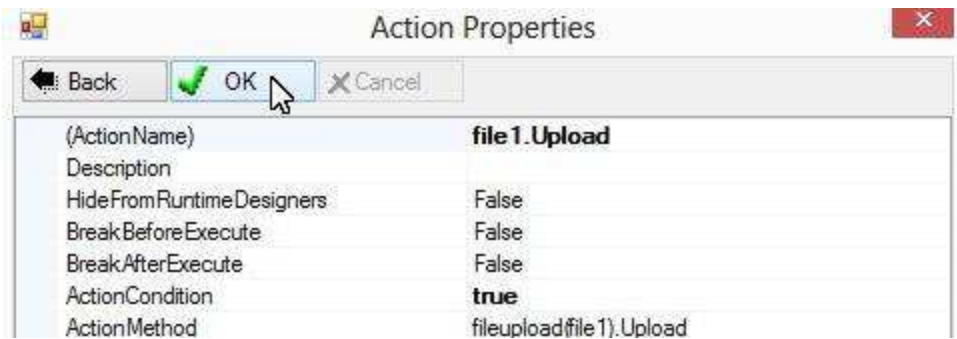

Upload file

We want to use the button to trigger file upload. Right-click the button; choose "Assign action"; choose "onclick":
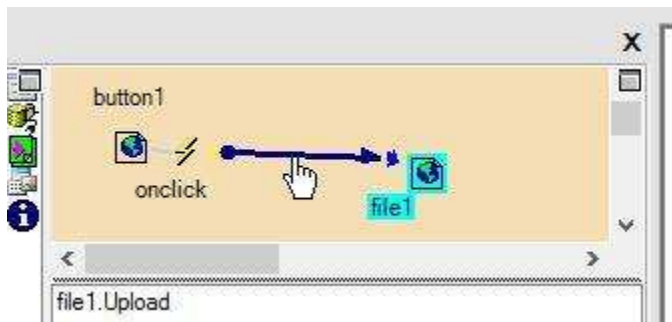

Select Upload method of the file upload element:
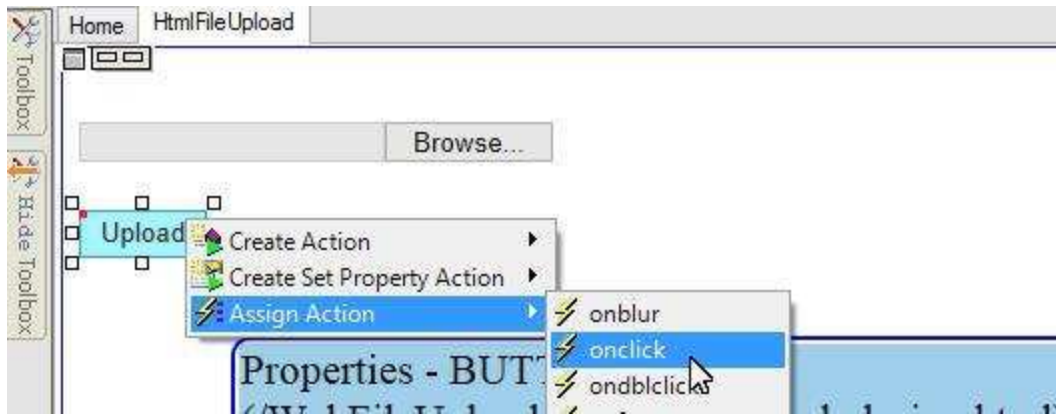
Click OK to finish creating the action:

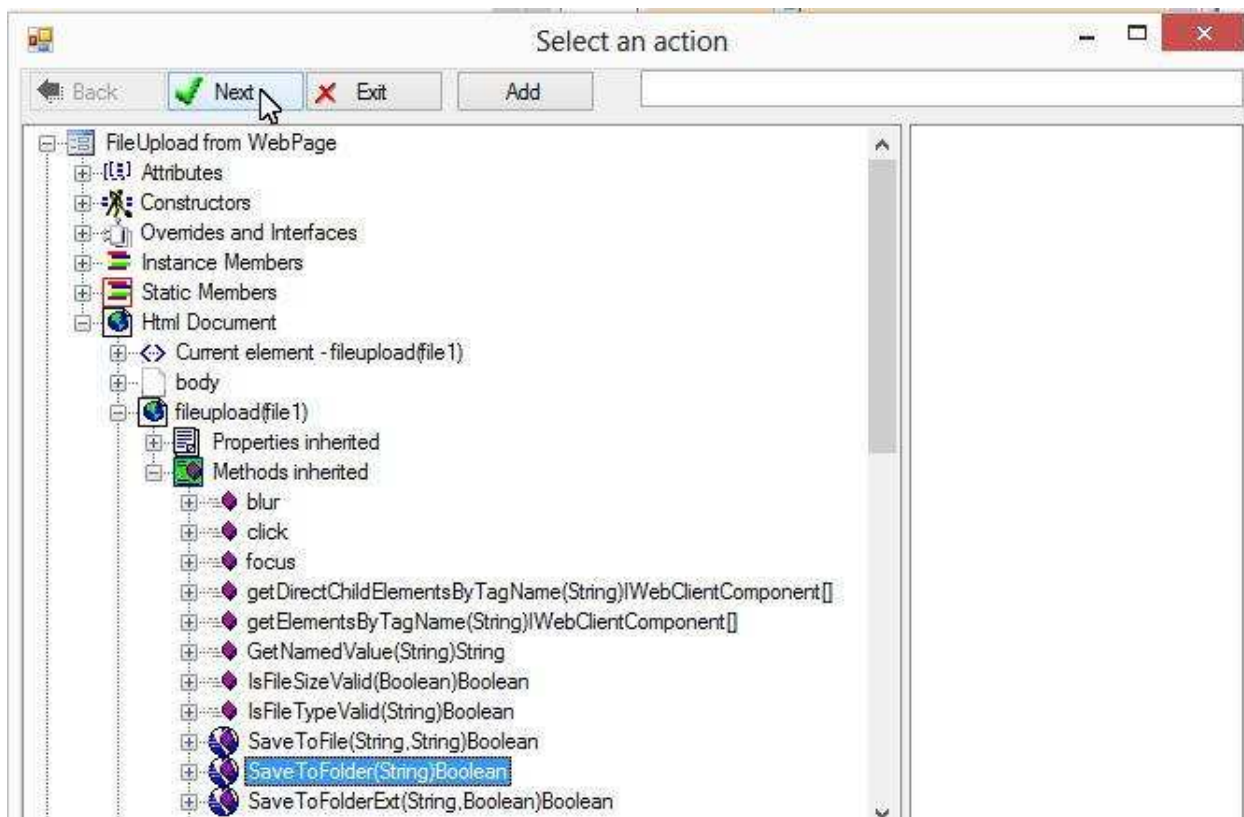The action is created and assigned to the button:
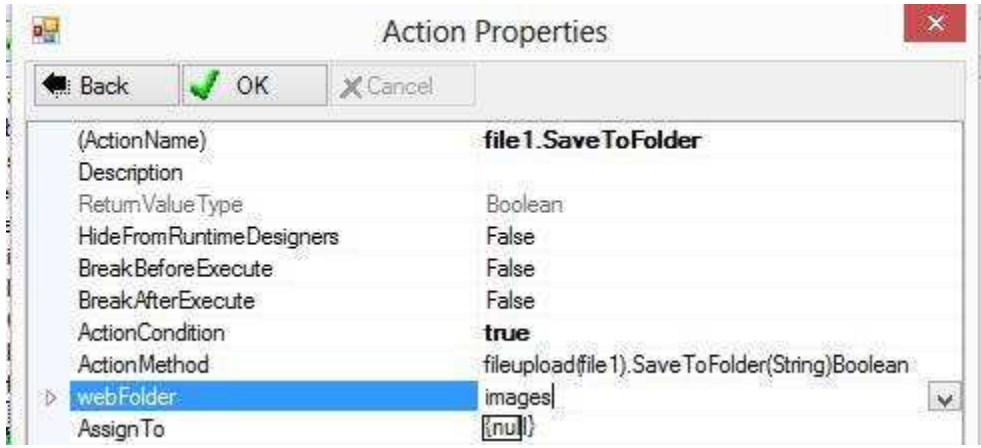
Save file to folder

We need to save uploaded file to a folder of our choice. We also do it on button click:
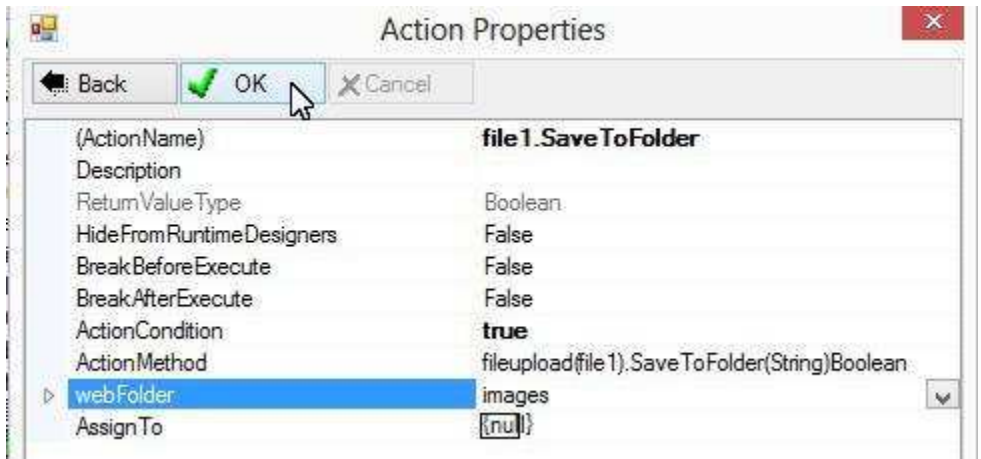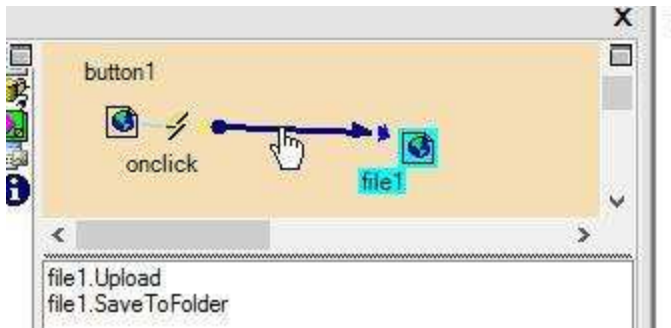

Select SaveToFolder of the file upload element:

Set "webFolder" parameter of the action to specify the folder on the web server to save the uploaded file:
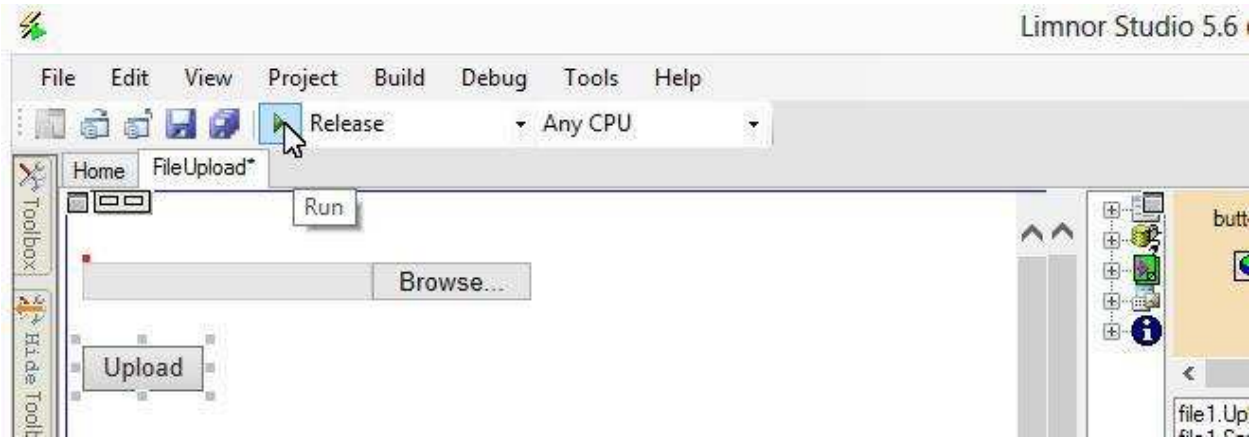
Click OK to finish creating the action:

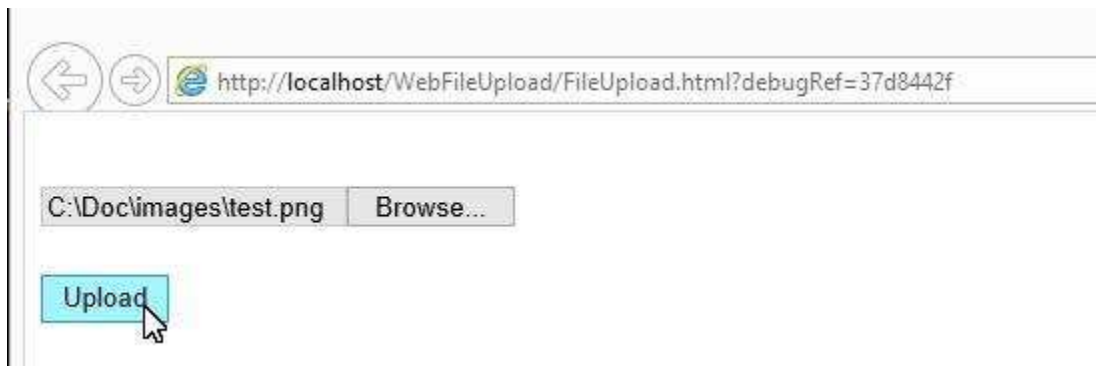The action is created and assigned to the button:
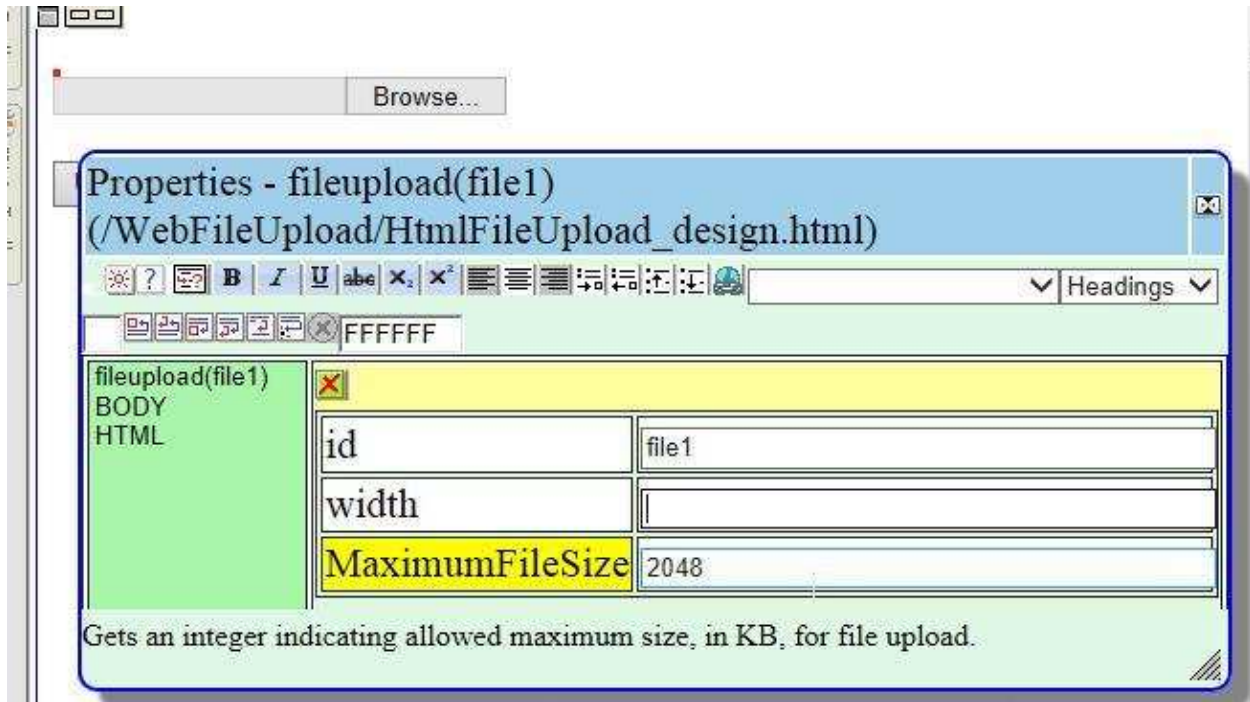

Test

We may launch the web page to test it:

The web page appears. Pick a file from the local computer and click Upload:

The file will uploaded to the folder "images" under WebFiles folder under the project folder, as we specified in the SaveToFolder action.

Limit file size

You may limit allowed file size by setting MaximumFileSize property:

The file uploading will fail if a file larger than the MaximumFileSize is selected. If you trun on DEBUG mode then you can see the error message in the debug window:
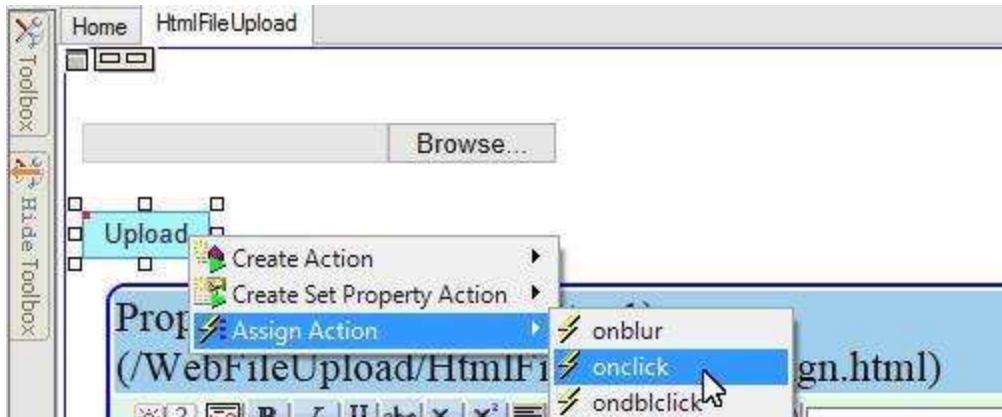
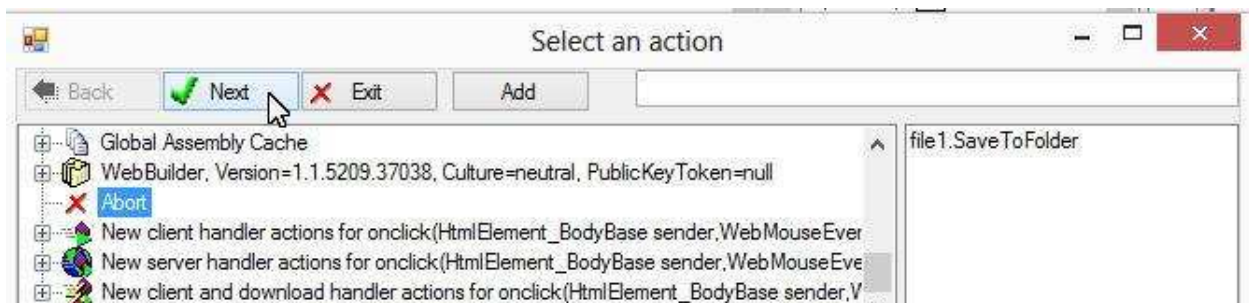## Debug Information from /WebFileUpload/FileUpload.html

Client request

Client page:http://localhost/WebFileUpload/FileUpload.html?debugRef=1bc369aa
 client
request:{"Calls":[{"method":"s9e032c13","value":"0"}],"values":{"allowedFileSize":"2048"}}
PHP processor:C:\LimnorApps\WebFileUpload\WebFiles\FileUpload.php
Number of client commands:1
file size limit:2048
Server component name was not sent from client.
execute : s9e032c13(0)
File Uploaded:1
Uploader:file1
Filename:greenlight.png
FileSize:0
FileType:
FileError:2
FilePathOnServer:
FileError:The uploaded file exceeds the MAX_FILE_SIZE directive that was specified in the HTML form.
File uploaded on server:false

Target file name:
File size limit:2048
File size of [greenlight.png] is over the limit. File size:0. Limit:2048
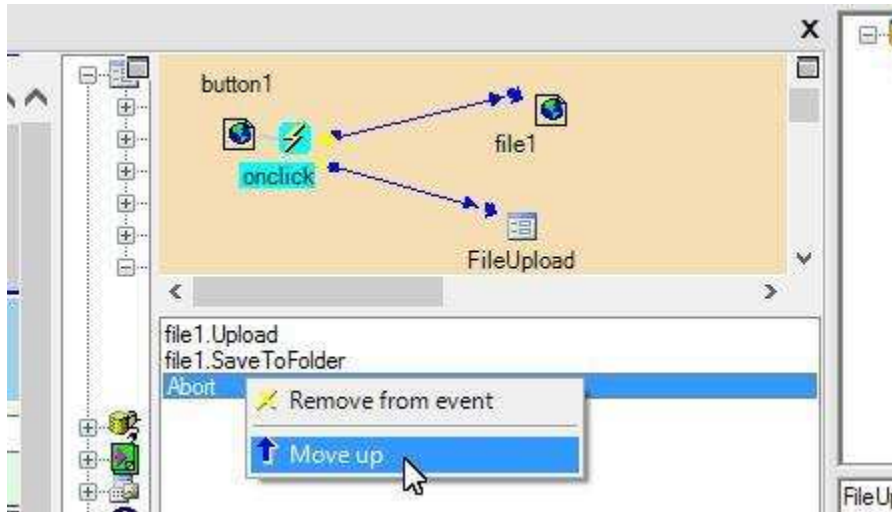Finish executing the method.

You may also prevent file uploading by checking the file size. For example, we'll add an Abort action to the button:
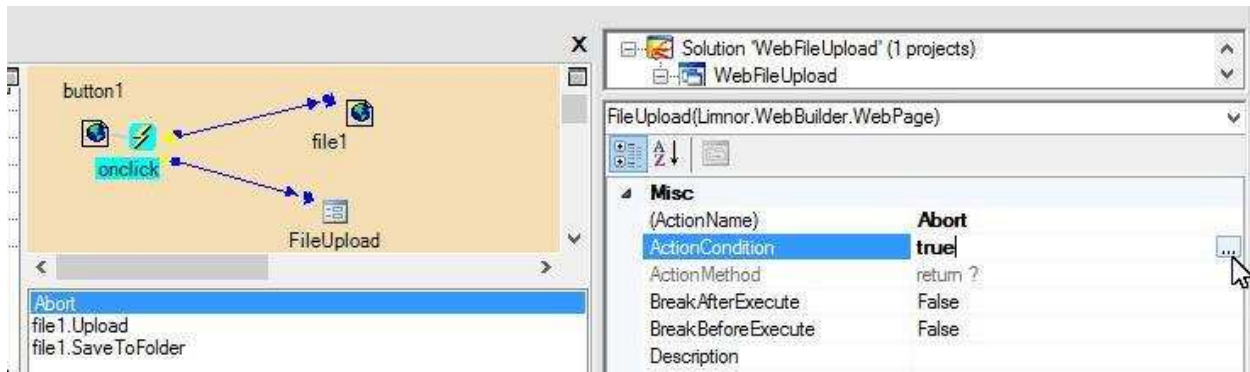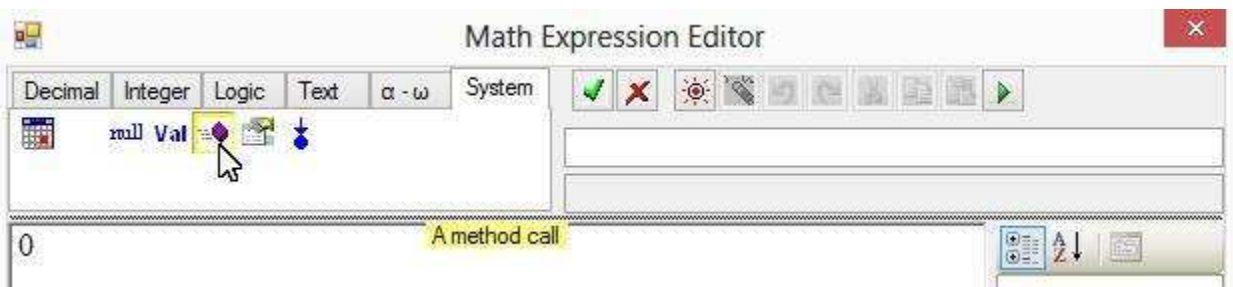

Select Abort:

An Abort action is assigned to the button. Move it to the top:

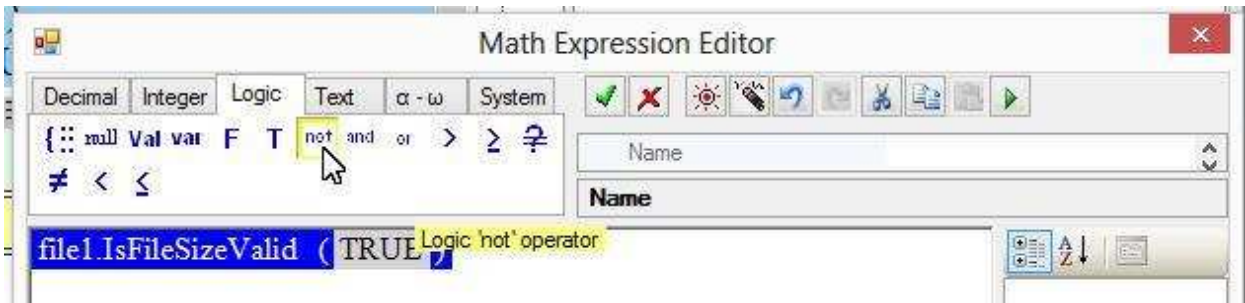Set its ActionCondition to check the file size:

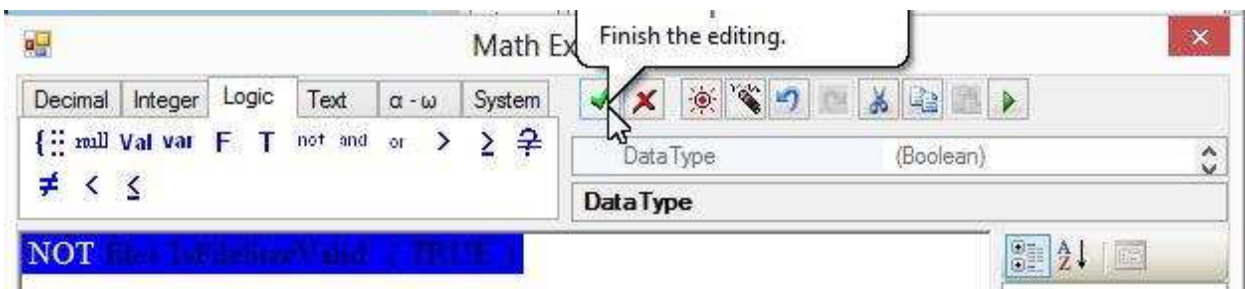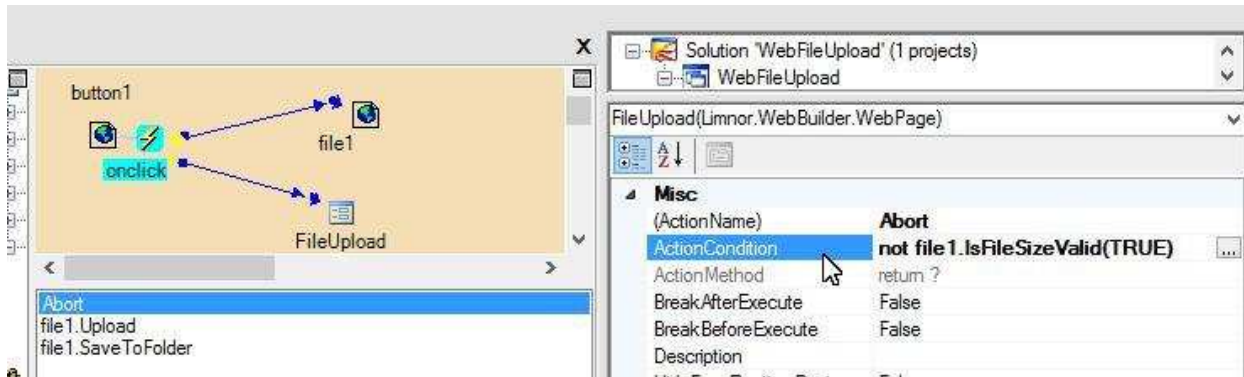Choose the method IsFileSizeValid of the file upload element:

Value "True" for the method parameter indicates that an alert will be displayed if the file size is too large. Apply a "Not" operator to the method:

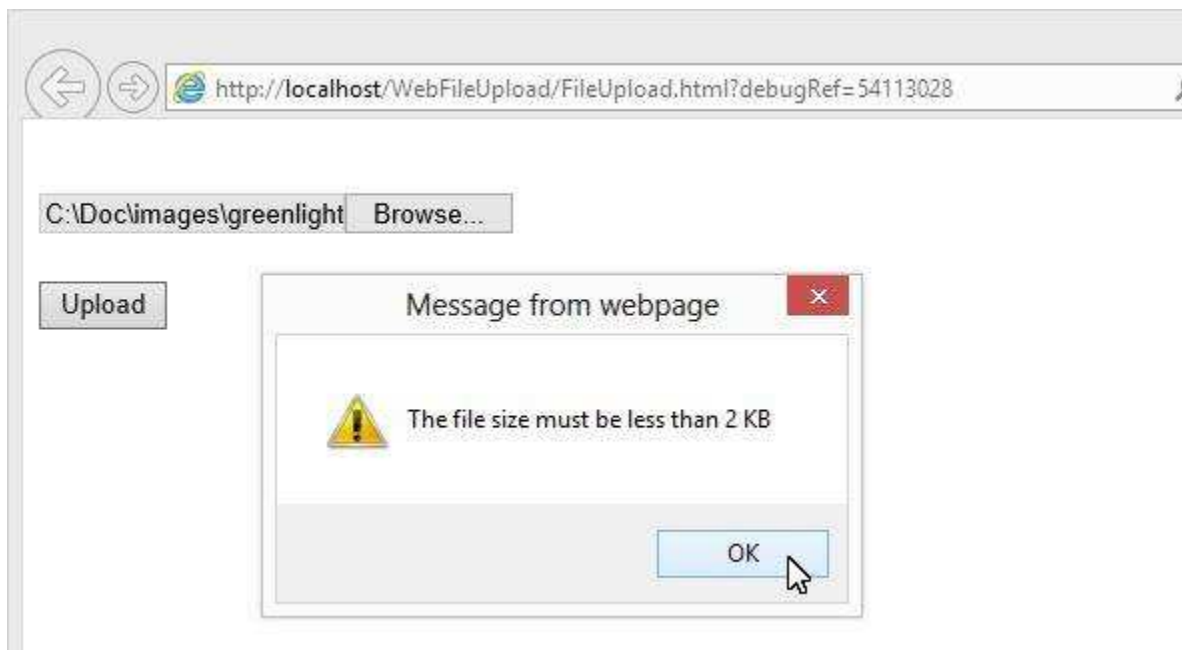That is the action condition we want to use for the Abort action:

This is our new event handling for the button:
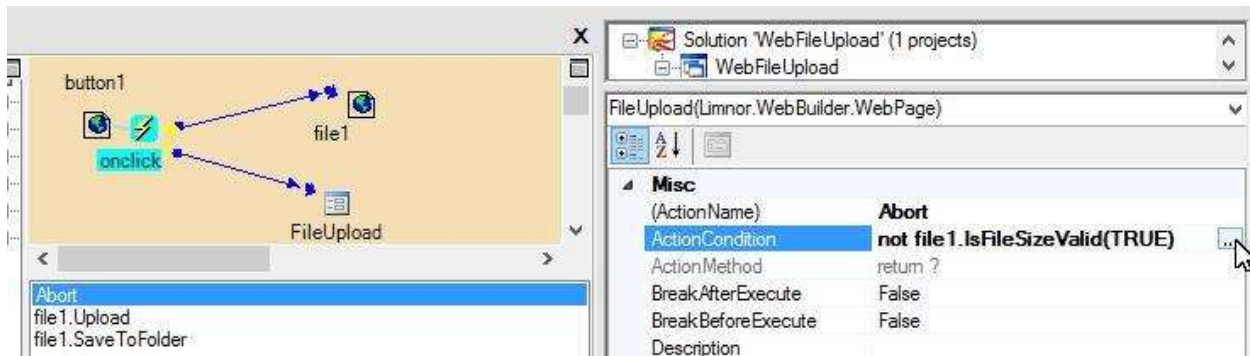

Let's launch the web page to test it again:
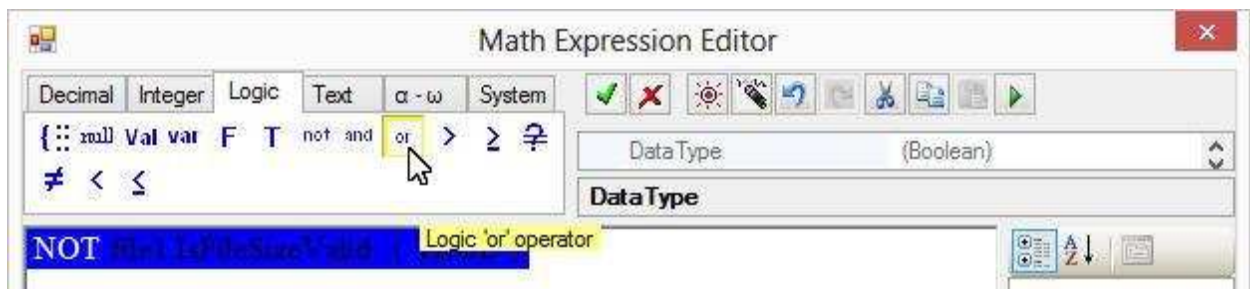

This time, an alert appears:

Close the alert. We do not see the debug window appear. That means that the file uploading does not occur. Thus it avoids large network traffic.
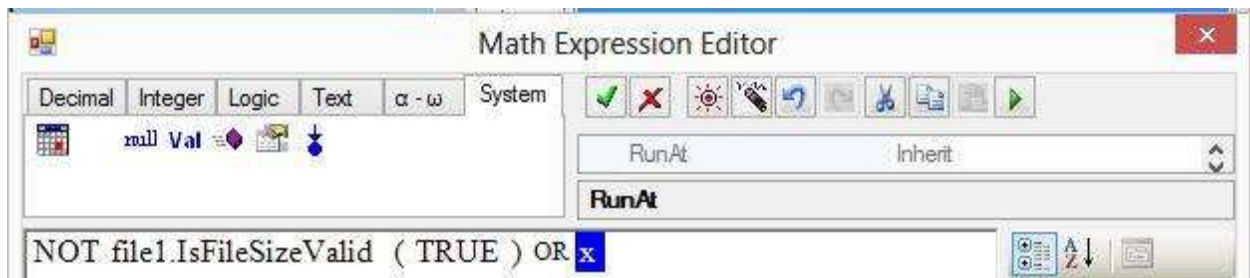
Limit file type

You may also limit file uploading to certain types of files. We can do it by adding a file type checking to the Abort action:
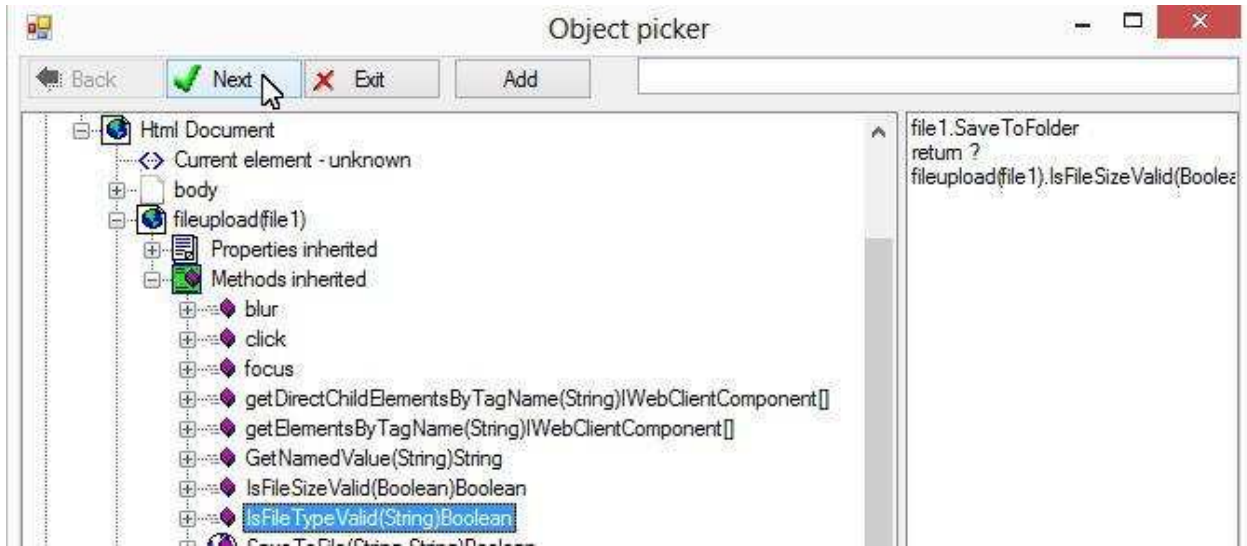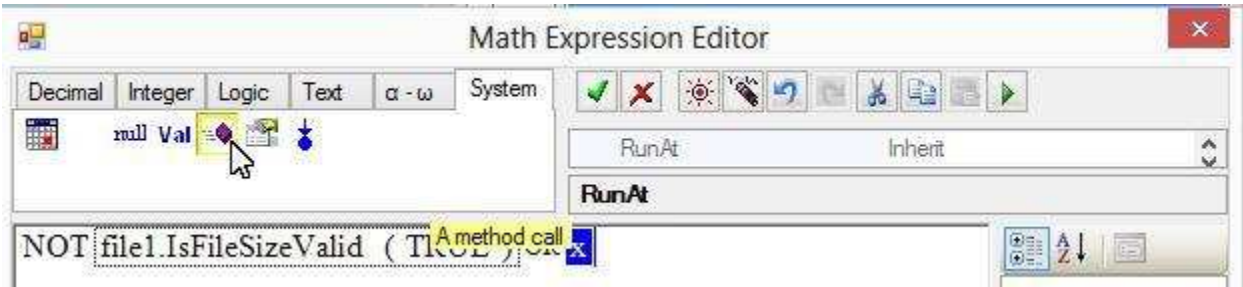

Click the NOT operation to select the whole expression then apply an OR operator:
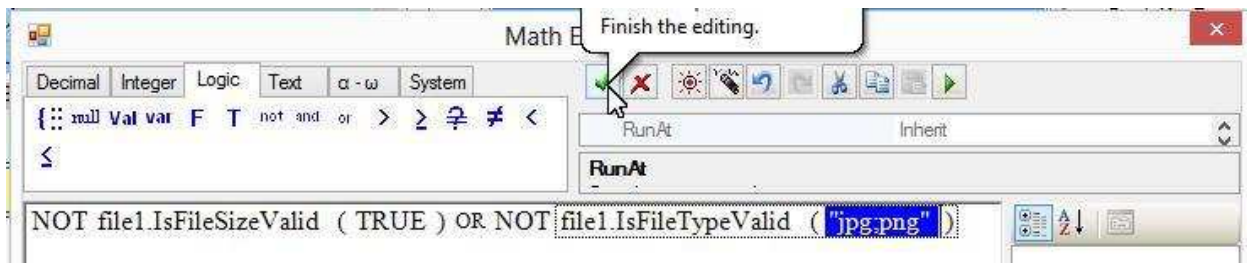

Click x:

Click the method icon to select IsFileTypeValid method of the file upload element:
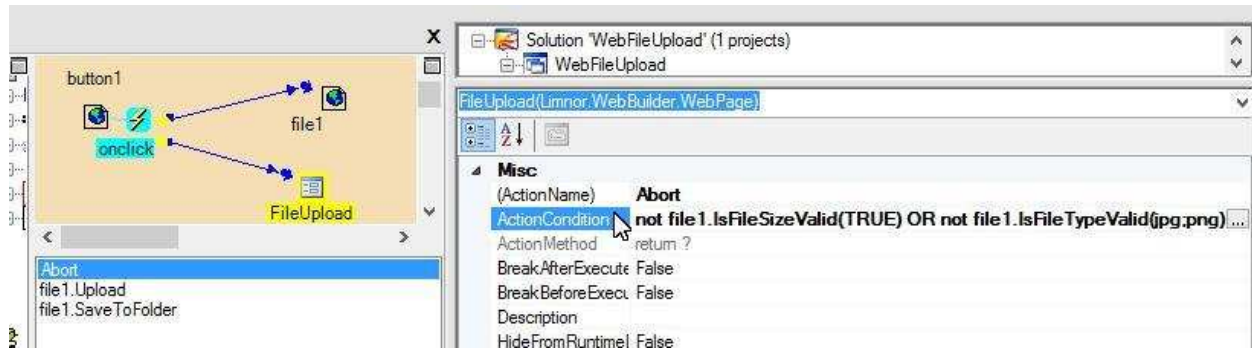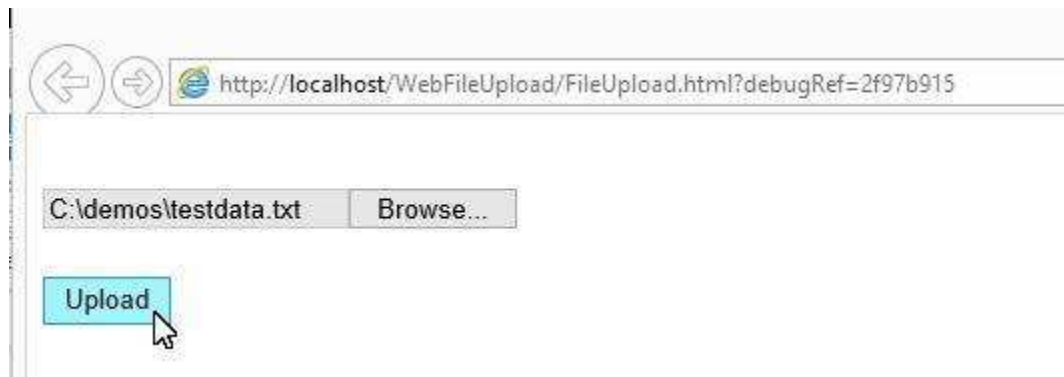
Apply NOT operator to the method:

The method parameter is a list of valid file types separated by semicolons. For example, if we only want JPG and PNG files then we use "jpg;png" as the method parameter:

This is our new Abort action:

Launch the web page to test it. Select a small text file to try it:

Nothing happens even the file size is small.

Feedback

Please send your feedback and suggestions to support@limnor.com. Thanks!