# Scenario 05 – Corporate Branding

The objectives of this scenario is to highlight the use of Internet Explorer Developer Tools. Scenario 05 requires the student to use Dev Tools for a number of tasks, which should guide them through the various capabilities of the tool. The second lab in this scenario will require a little JavaScript development knowledge and can perhaps be challenging for some students in the class.

## Origin

The idea for this scenario originates from the increasing number of engagements with Client Side code. While you will not see any indications of the issue on the server (expect maybe in IIS logs for 404’s), the end users will for sure experience these functional and performance related issues as a disruption to their daily work.

The first Lab will require the students to pay close attention to details. If you do a network trace of the request, you will notice that the request for the JavaScript file will get a 404 – not found. This is because the Delegate Control (UserControl) references the file in the “14 hive” and not the “15 hive” – a common issue when migrating farm solutions from 2010 to 2013. The solution is only deployed in CompatibilityLevel 15 and the reference will therefore be wrong.

Possible solutions will be changing the ascx file to point to the right location (add /15/) or redeploy the solution to both 14 and 15 hive. To learn more about the 14/15 hive issue for custom solutions see: <http://blogs.technet.com/b/mspfe/archive/2013/02/04/planning-deployment-of-farm-solutions-for-sharepoint-2013.aspx>

The second Lab is exploring CSS and Html navigation and some JavaScript debugging and the Color Picker.

## Prerequisite Lessons

For the students to work with this scenario they should have been through the **Internet Explorer Developer Tools** lesson.

## Lab 1 Tasks

By leveraging demonstrated troubleshooting tools, the students should complete the following steps as part of this troubleshooting scenario:

1. Figure out why the top bar is not changing color
2. Present a possible cause
3. Implement a solution (you can change the deployed files directly on the server)

## Lab 1 Answers and key discussion points

This section highlights some of the key discussion points of the scenario

### Answers

1. The solution has a User Control, which is loading on the pages through a Delegate Control. The control loads fine and contains a reference to a JavaScript file – but the reference points to a location in the 14 hive. The request will receive a 404 and therefore the script to change the color and text will not be executed.
2. The solution is to either change the User Control to point to the 15 hive or redeploy the solution to both 14 and 15 hive using the CompatibilityLevel parameter of the Install-SPSolution CmdLet.
3. …

## Lab 2 Tasks

By leveraging demonstrated troubleshooting tools, the students should complete the following steps as part of this troubleshooting scenario:

1. Determine how the existing solution changes color
2. Modify the files to have it look similar to the picture below

Perform a root cause analysis

## Lab 2 Answers and key discussion points

This section highlights some of the key discussion points of the scenario

### Answers

1. The solution uses JavaScript to change the color. The objective here is to add addition JavaScript to modify the rest of the SuiteBar to match the picture. This will require finding the right colors (color picker) and finding the right CSS class and Html elements to manipulate (Html dom and Css navigator) as well as implement the JavaScript, which might require some JavaScript debugging.  
   Some of the testing can also be done using the Console of the Developer Tools
2. Modifying the JavaScript file on the server should make the changes apply. In a real scenario, the files should of course be redeployed using an updated Farm Solution.