ONLINE LAB: Create a Function to Calculate Sales Tax

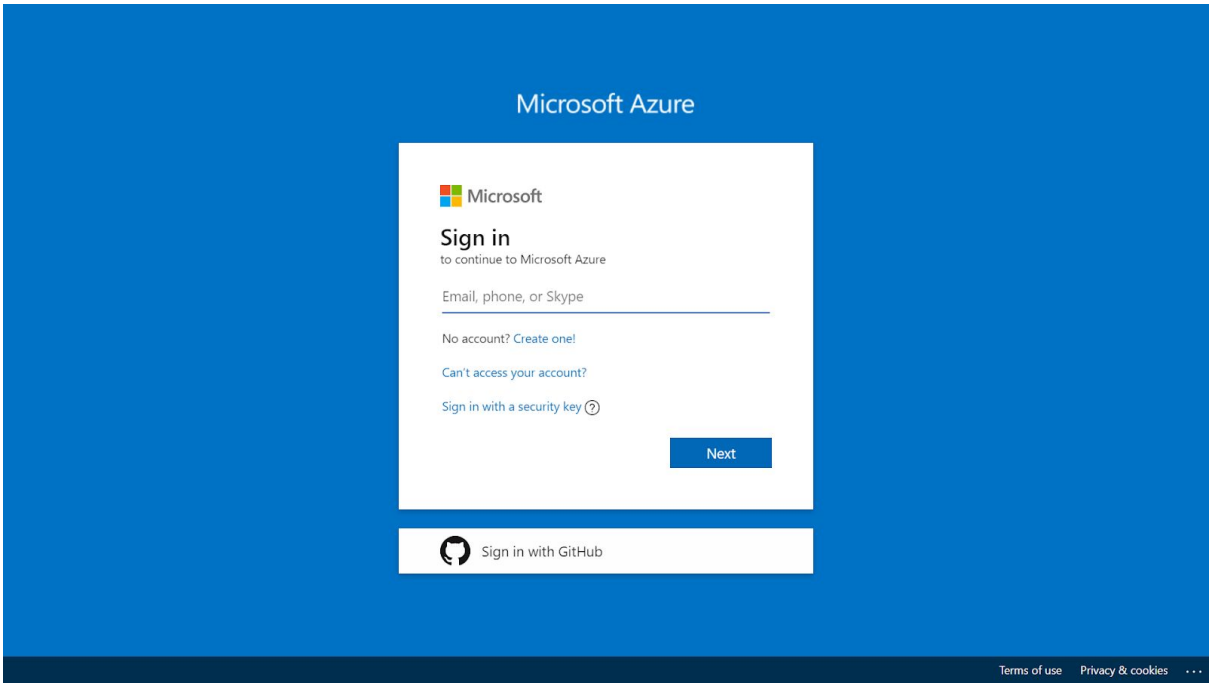
Your Challenge

- Create a function app
- Add a function to it
- The function should take a number as input to a HTTP trigger, and return a number with sales tax added to it
- Clean up all of your resources created after you're done

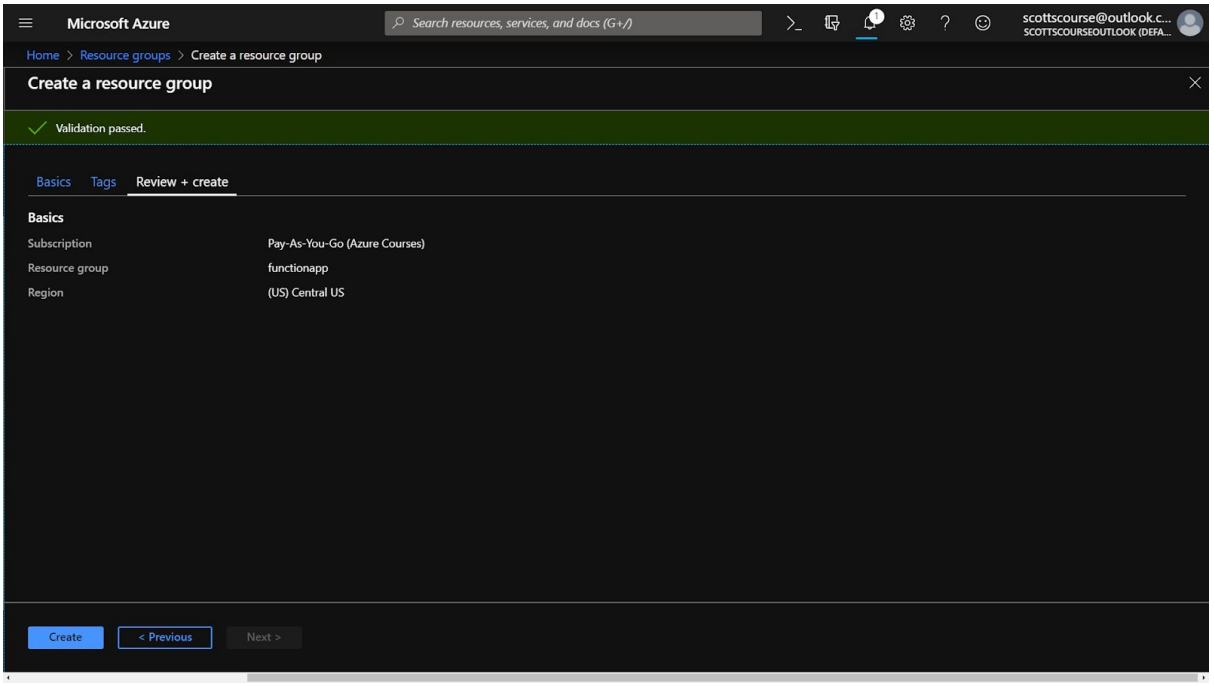
Solution

Step 1 Sign Into Azure

Sign into Azure at https://portal.azure.com/

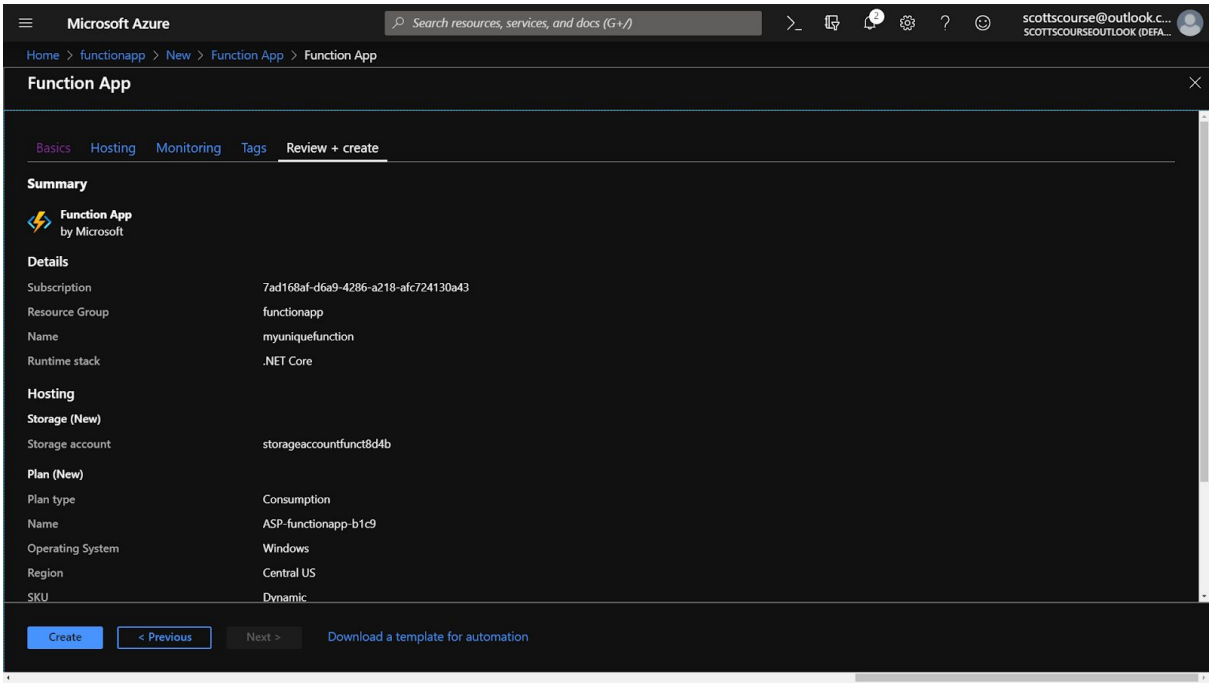


Step 2 Create Resource Group



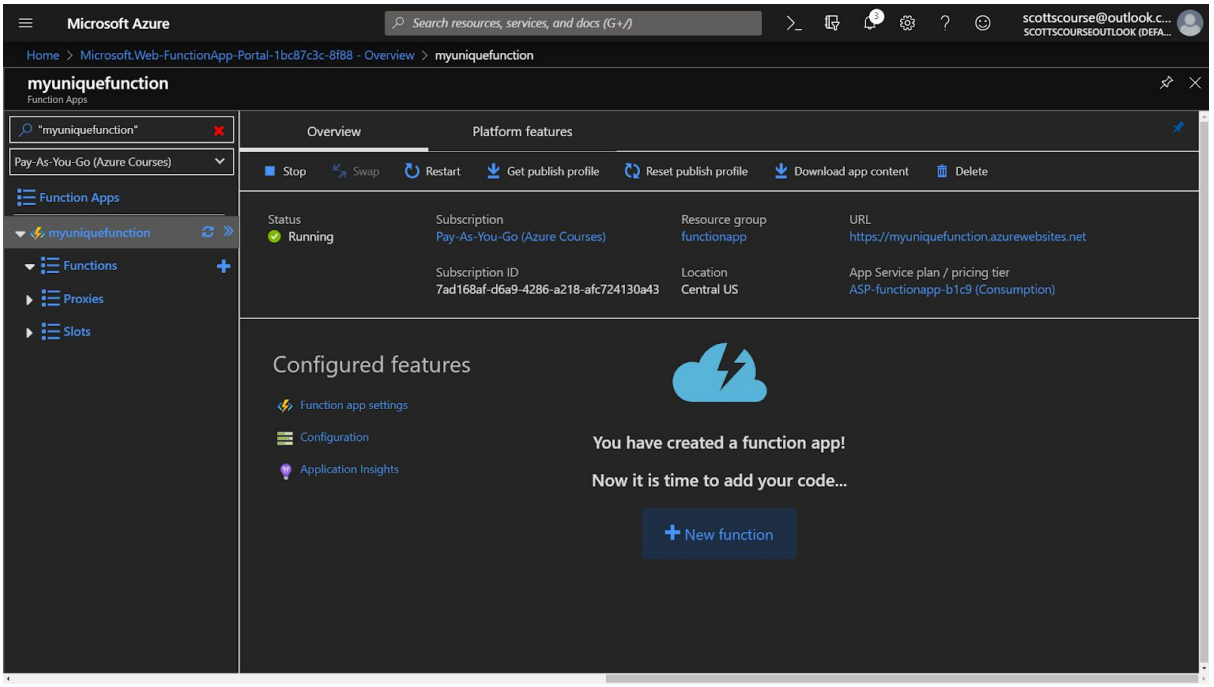
1. Create a new resource group named **functionapp**.

Step 3 Create a Function App



1. Navigate to the **functionapp** resource group
2. Add a resource to it
3. Find **Function App** from the list

4. Click **Create**
5. Give the function app **a unique name**.
6. Ensure that it's a **code** function, using **.NET core** stack
7. Click "**Hosting**" to go to the next screen.
8. Ensure that it is running on **Windows** under the normal **Consumption** plan.
9. Click **Review + Create**.
10. Click **Create**.
11. Wait for the function app to be created.

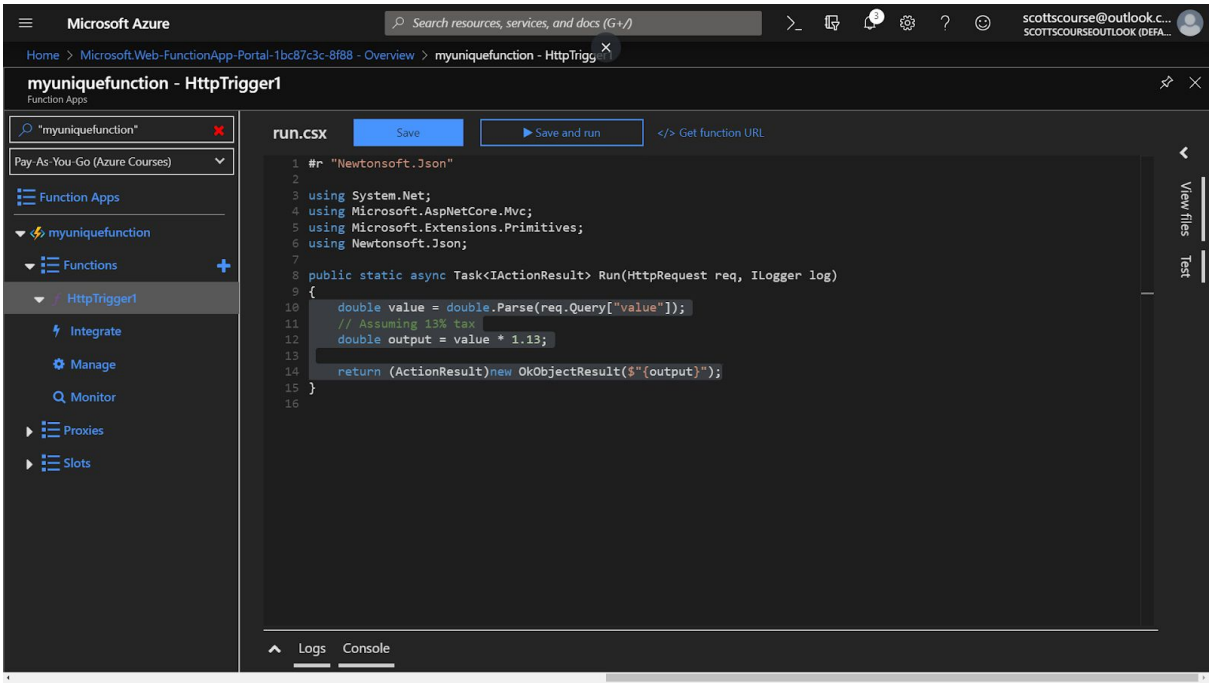


Step 4 Create a Function

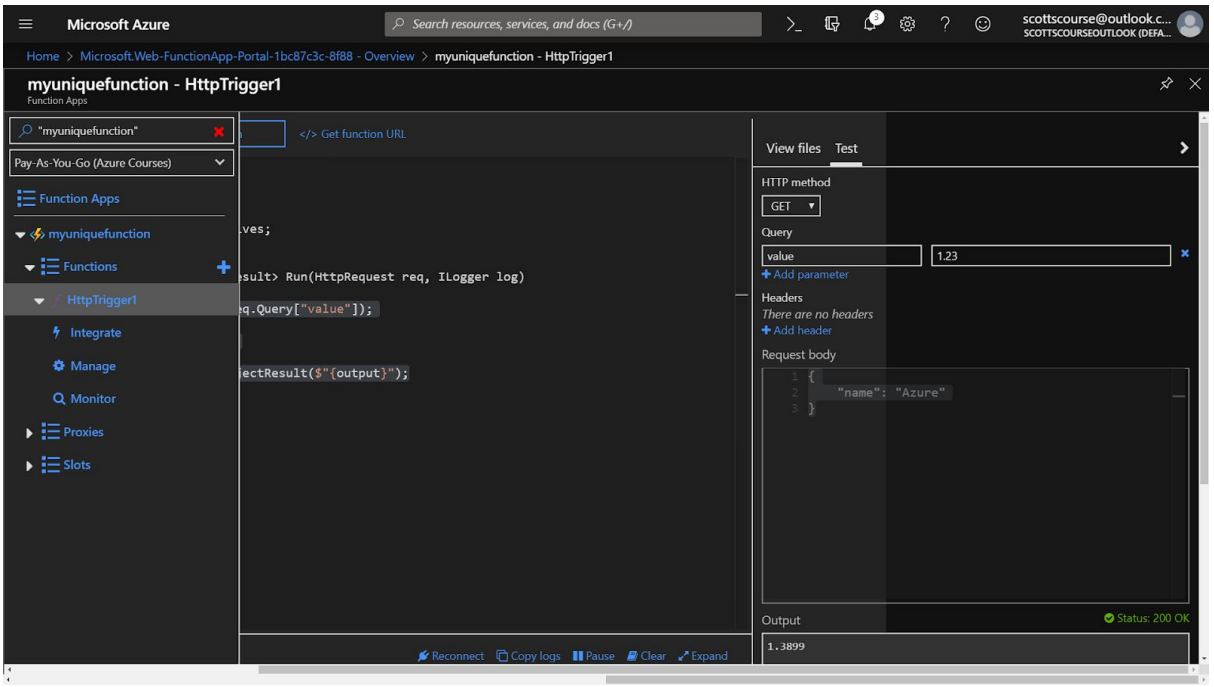
1. Navigate into the new function.
2. Click the "**+ New Function**" button in the overview screen.
3. Choose "**In Portal**" as the development environment and click **Continue**.
4. Choose "**Webhook + API**" as the trigger type and click **Create**.
5. Replace the body of the code with the following:

```
double value = double.Parse(req.Query["value"]);
// Assuming 13% tax
double output = value * 1.13;

return (ActionResult)new OkObjectResult($"{output}");
```



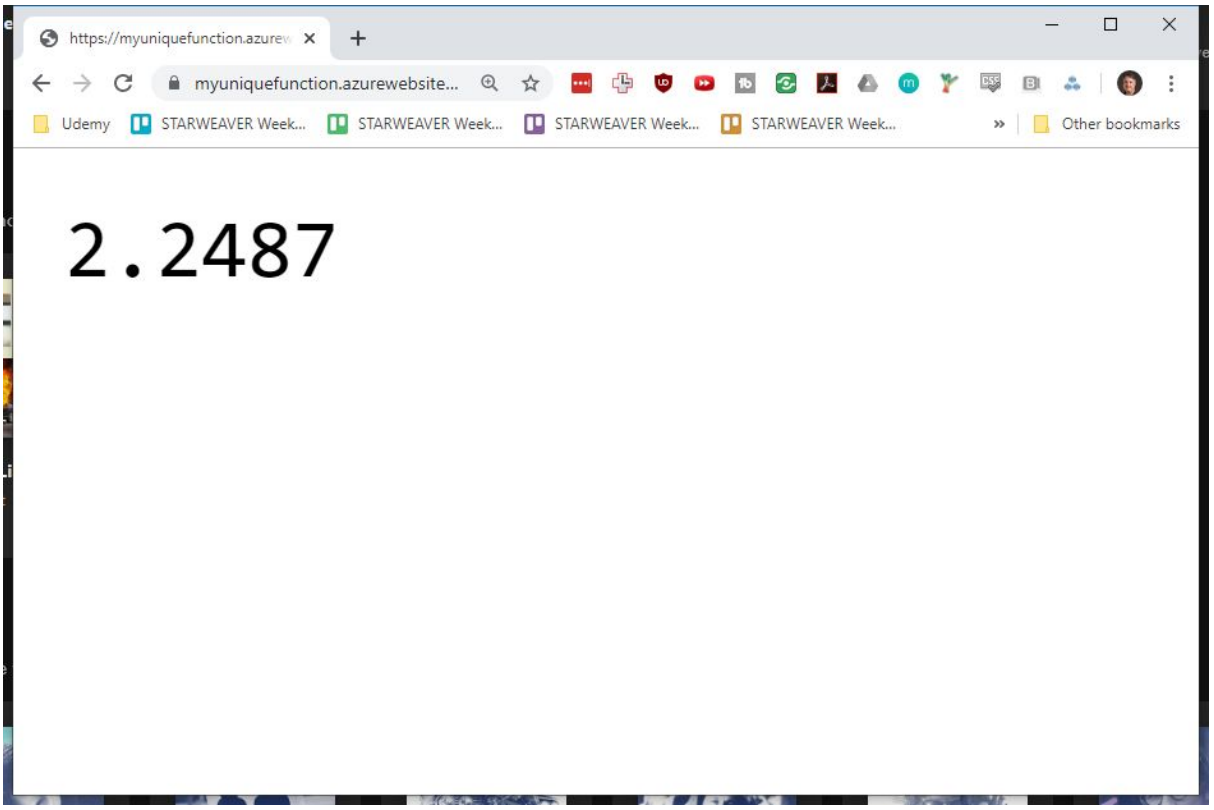
Step 5 Test the Function



1. Open the “**Test**” panel on the right of the screen
    a. You may need to scroll to the right to see all of it
2. Change the method type to **GET**
3. Add a parameter named “**value**” with a value of “**1.23**”.
4. Scroll to the bottom
5. Click “**Run**”.
6. Let the function run.

7. It should return a value in the **Output** area of 1.3899 which is 13% higher than 1.23

Step 6 Call the Function in a Browser



1. Close the testing panel and return to the main function screen.
2. Click **Get Function URL**
3. Click the "**Copy**" button to put the function URL on the clipboard
4. Open a new browser tab
5. Paste the function URL into the browser address bar
    a. Important! You must add a value to the input before hittng enter.
6. Append the string "**&value=1.99**" to the URL and hit enter
7. Observe the value returned is 2.2487 which is 13% tax on 1.99.

Step 7 Clean up

1. In the navigation list, click **Resource groups**.
2. Click **functionapp** to open the resource group.
3. Click **Delete resource group** to delete the resource group.
4. On the **Are you sure you want to delete** blade, type the resource group name: **functionapp**.

5. Click **Delete** to delete the resource group.