Create a GitHub Repository

You will be using a GitHub repository to store your work during the challenges. Once you have completed the challenges, your repo will include files representing the work that you have completed. To share your work files, you will provide Microsoft with the link to your repository. This enables us to grade your work. The grader will use the link to clone your repo and evaluate your assignment against the success criteria and provide you with a grade (the grading rubric was described in the Introduction module of this course).

The steps below provide high-level guidance for creating a repository on GitHub. For additional instruction on GitHub, please visit the Hello World web site and complete the tutorials presented there as needed.

1. Ensure that you have a GitHub account and login into github.com

2. In the upper right corner, next to your avatar or identicon, click and then select New repository.

3. Name your repository

4. Provide a short description

5. Select Initialize this repository with a README

6. Click Create Repository

7. GitHub allows you to create branches for dealing with code changes so you can stage these changes before committing to the master branch. We don't require you to create any branches but feel free to do so if you want to keep a staging and master branch separation.

8. Begin creating your project by adding files to your repository. You can clone the repository locally on your computer by using the Clone feature.

9. Work on your project files and use the Pull requests and Merge functions of GitHub to maintain your source code and update the master branch.

10. Create two folders in your repository:

    - Lab1
    - Lab2

The challenge activities include instructions that tell you when to submit the files that represent your work. These instructions are marked with an icon that appears similar to the following:

5. **DELIVERABLE**:

When you are told to add a deliverable to your repo, you must add the deliverable to your repository using the correct folder location.

For example:

> 5. **DELIVERABLE**: Once you have created and configured the resources, use the **Automation script** menu option in the **Resource Group** UI to generate and **Download** an Azure Resource Management script that documents the created resources. The downloaded file will be named similar to **ExportedTemplate-IoTCapstoneRG.zip**.
>
>   - Rename this file to **ExportedTemplate-IoTCapstoneRG-WeatherStation-[YOUR STUDENT ID].zip** and save it in the **Lab1** folder within your GitHub repository (ensure you Add, Commit, and Push your changes)

Important: Notice that both a naming convention and folder location are specified in the instructions above. During the challenges, you must adhere to the specified naming convention and you must upload your deliverable to the specified folder location in order to receive credit for your work.

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