Web Based Dashboards
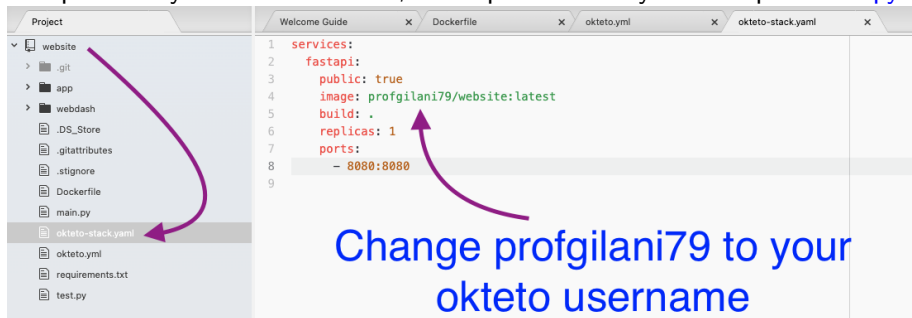## Module # 3 (Deploying the Web Application)

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Step # 1: Download file okteto-stack.yaml from Canvas

In Canvas, I have posted the file named okteto-stack.yaml. Download it and put it in your website folder, same place where you have put main.py.

Change profgilani79 to your okteto username

Open the code in atom, and change the username profgilani79 to your okteto username.
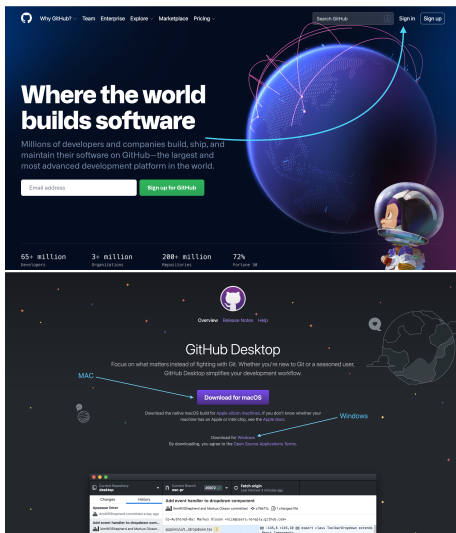
Step # 2: Update Dockerfile with okteto-stack.yaml

Open up Dockerfile and now add the okteto-stack.yaml file to it.

Step # 3: Create an Account on GitHub

Go to the URL https://github.com/, and sign into your GitHub account:

Open a new tab, and go to the URL https://desktop.github.com/, and click on download for your particular operating systemt:

Step # 4: Install GitHub Desktop

For macs you will get a zip file and for windows you will get an .exe file. For windows, just execute that file and the installation should be straight-forward. For macs, when you unzip your file you will see the GitHub Desktop application in downloads.
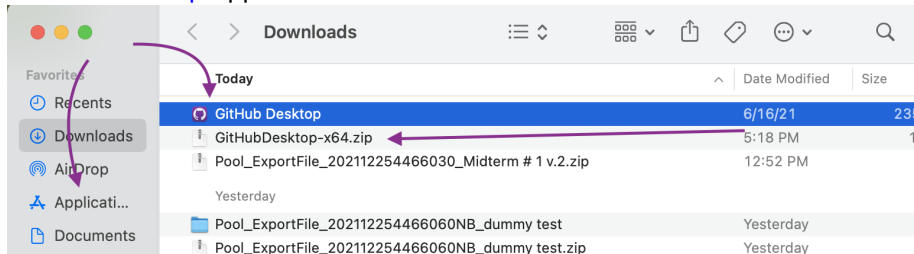
Move the GitHub Desktop application into your Applications folder. Now you can launch it from Applications.

Step # 5: Launch GitHub Desktop
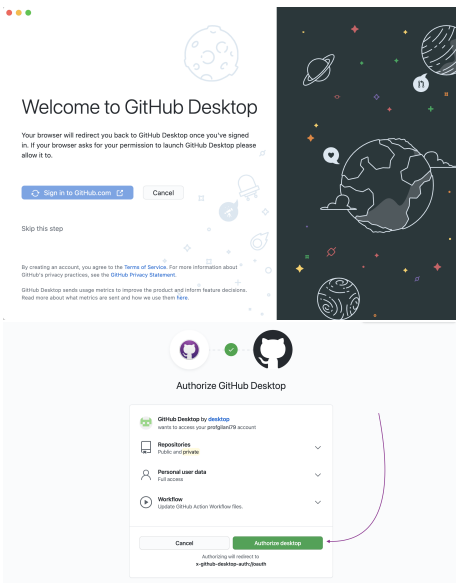
Go to the URL https://github.com/, and sign into your GitHub account:

Open GitHub Desktop and log in and authorize it to be run on your laptop. It might ask you to log in via a browser again.

Step # 6: Configure and Add Repository

Keep the same login information and click Finish.

Now we need to create a repository. A repository contains all of your project's files and each file's revision history. You can manage your project's work within the repository. We already have a folder where we started working on a project. We will make that folder our repository. Select Add an Existing Repository from your Hard Drive..

Step # 7: Publish Repository
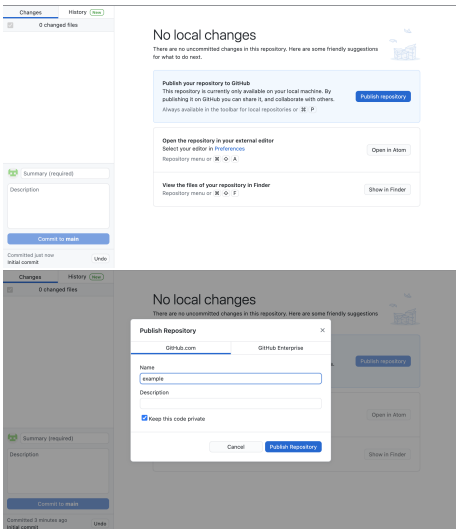
Click on Publish Repository.

Now give your Repository a name. (Do not name it example!!!) It is up to you, if you want to keep your project code private or public. I keep my work code private for obvious reasons.

And now you see in the top left corner, the **Current Repository** is pointed to whatever the name of your repository is.

Step # 8: Deploy to Okteto!

Log into Okteto and now click on Deploy.

Step # 8: Deploy to Okteto - Continued

Your first time, you will not see your Repository, Okteto will ask you to configure it.

Step # 8: Deploy to Okteto - Continued
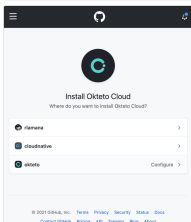
When you configure Okteto with your Github Account, it will ask you to install okteto cloud, select your username. From there it will ask you to select your repositories (give okteto full access to your github account). You will finally be able to click on Deploy.

It is Deployed

You will notice a lot of activity in the bottom right window. Okteto, is taking care of all the work behind the scenes. At the top left, you will also notice the name of our repository. Finally, the new URL is at the top right, click on it.

Deployed Application

You will notice a lot of activity in the bottom right window. Okteto, is taking care of all the work behind the scenes. At the top left, you will also notice the name of our repository. Finally, the new URL is at the top right, click on it.

Your First Web Application
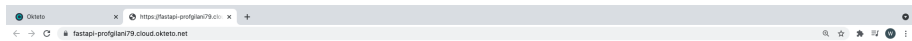
`{"message":"HELLO WORLD!!! I want to eat Pizza!!"}`