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**BAKERY STORE ONLINE**

Report #6 – Installation Guide

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**- Hanoi, 12/2017 -**

# SIGNATURE PAGE

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Record of change

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Table Contents

[SIGNATURE PAGE 1](#_Toc437382780)

[1 INTRODUCTION 3](#_Toc437382781)

[1.1 Purpose 3](#_Toc437382782)

[1.2 Environment 3](#_Toc437382783)

[2 Installation Guideline 3](#_Toc437382784)

[2.1 Connecting to Mlab Mongodb 3](#_Toc437382785)

[2.1.1 Creating the Mongo Database 3](#_Toc437382786)

[2.1.2 Updating Connection Details in Your Web App 7](#_Toc437382787)

[2.2 Create & Deploying to Heroku Website 8](#_Toc437382788)

[2.2.1 Create Heroku Website 8](#_Toc437382789)

[2.2.2 Deploying to the Heroku Website 9](#_Toc437382790)

# INTRODUCTION

## Purpose

This document contains guide-lines step by step to deploy BSO App to Heroku website and This user's manual has been developed to help users better understand the requirements that may apply to use this website by providing them simple step by step tutorials. This manual is intended to help make website's functions more accessible and their associated requirements more understandable to users.

## Environment

Following are the software required to start the BSO system:

* Operating System: Windows 7, Windows 8, Window 10
* Browsers: Firefox 40, Chrome 44 or higher.
* Database: MongoDB
* NodeJS Framework
* Express
* Multer
* BodyParser
* Passport
* LocalStrategy
* Session
* CookieParser
* Flash
* Morgan
* Nodemailer

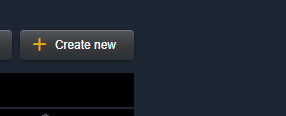
# Installation Guideline

## Connecting to Mlab

### Creating the Mongo Database

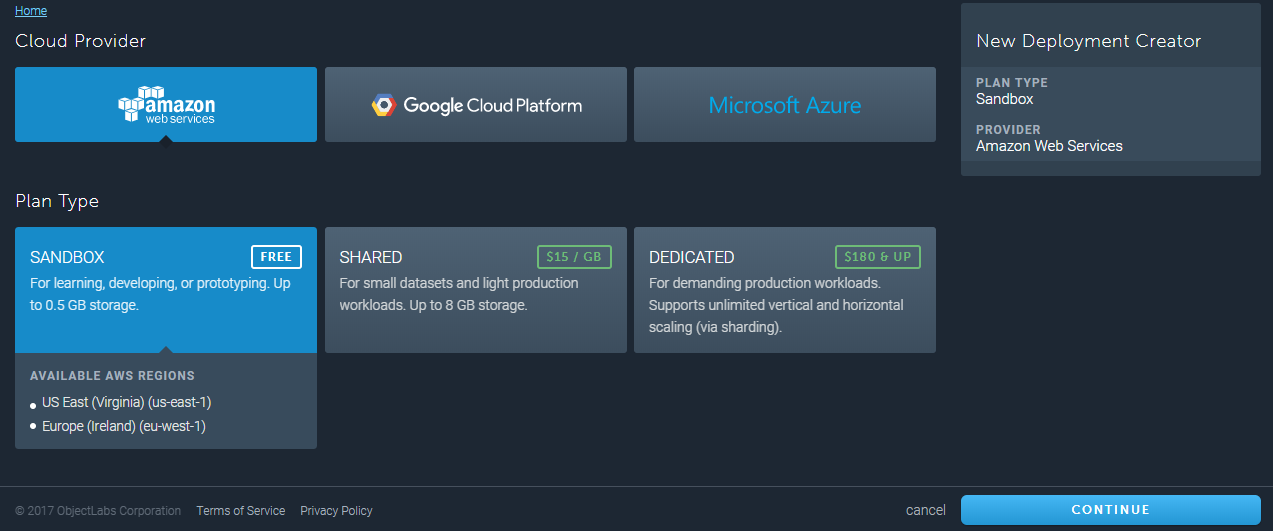
The first thing to do is creat your database on Mlab:

* Step 1: Go to your mlab, and click the Create new button in the right corner.

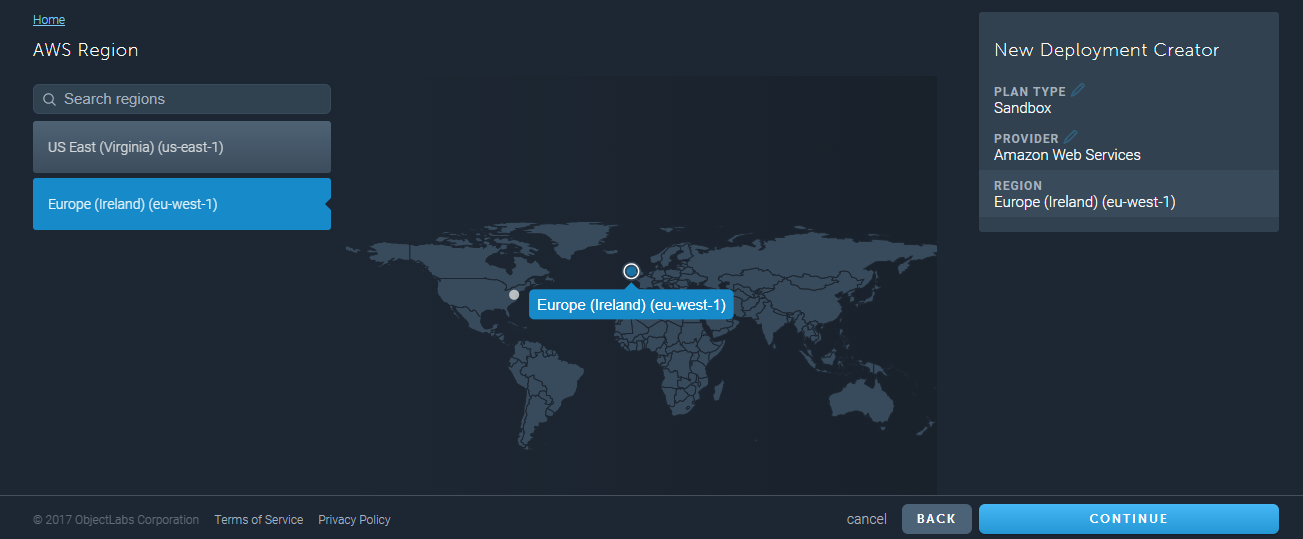


* Step 2: Choose one in three Clooud Provider and PlanType

then click continue button.

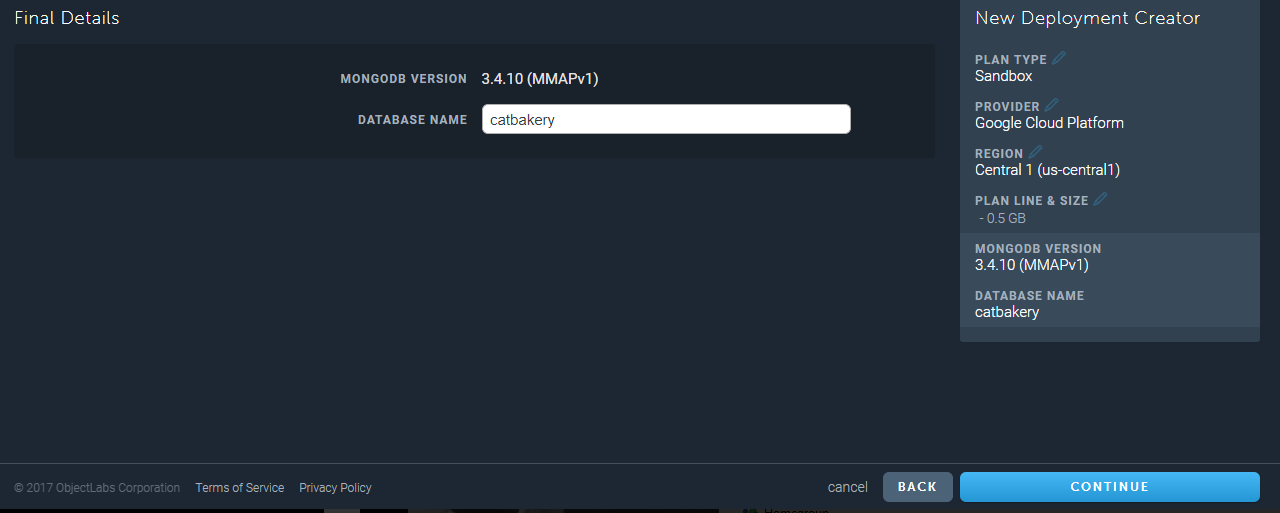


* Step 3: Select Region then click continue button.

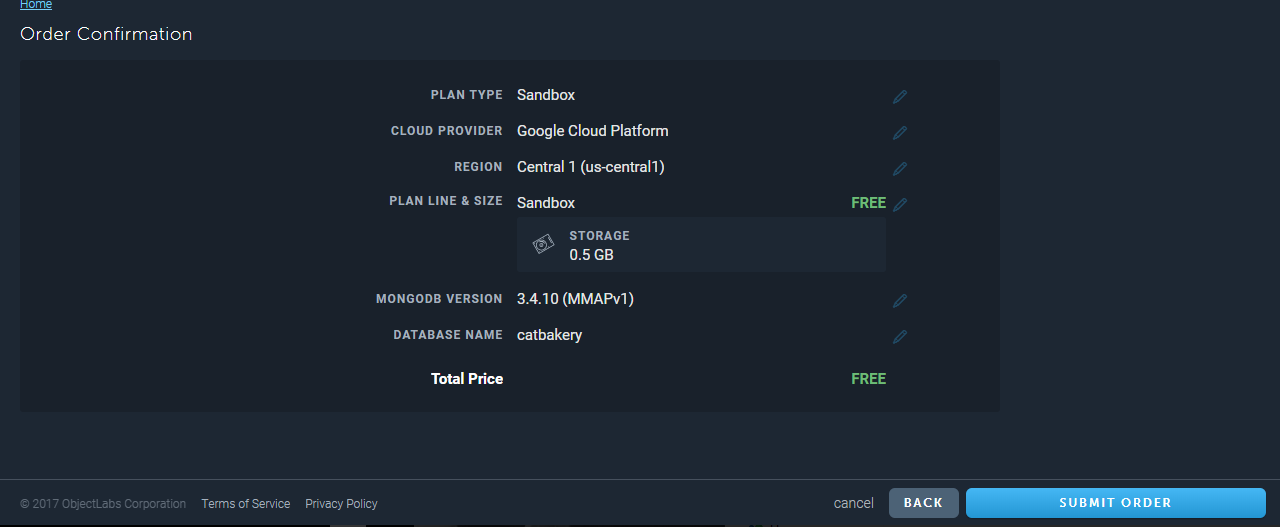


* Step 4: Write your database name
  + Database Name: **catbakery**

Then click continue button.



* Step 5: Confirm all the things you have done then click Submit order button.



After waiting a few seconds your database should be created.

* Step 6: Click on your Database

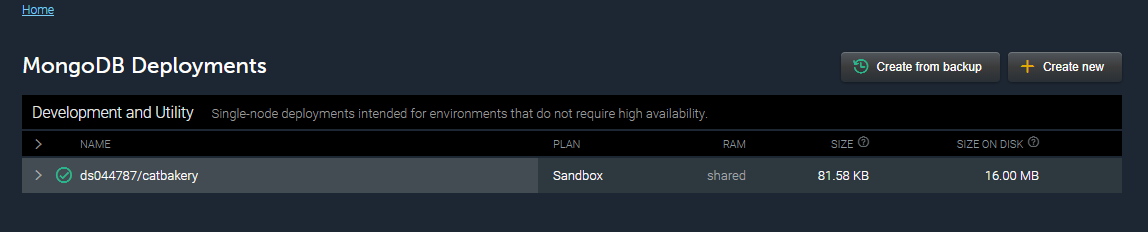


Figure 6-6:

* Step 7: Then choose Users >> Select Add database users

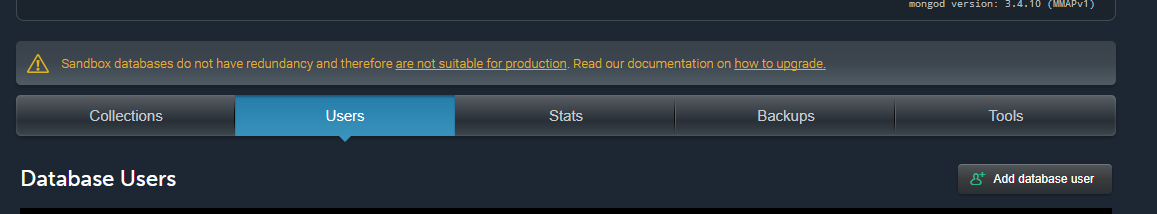


Figure 6-7:

* Step 8 : Fill in the form. My settings were:
  + Database username: **admin**
  + Database password: **123456**
  + Confirm password: **123456**

Then click Create button

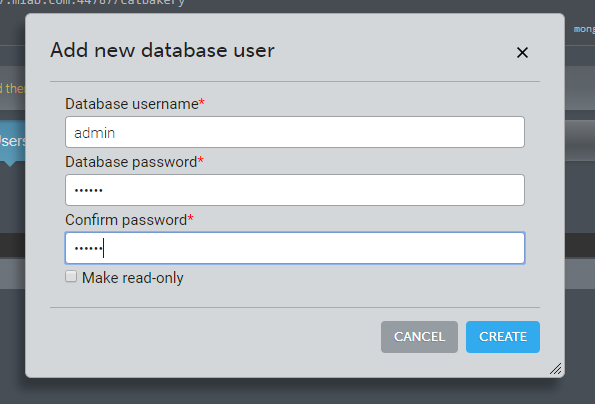


Figure 6-8:

After waiting a few seconds your database user should be created.



Figure 6-9:

* Step 9 : Go back to Homepage

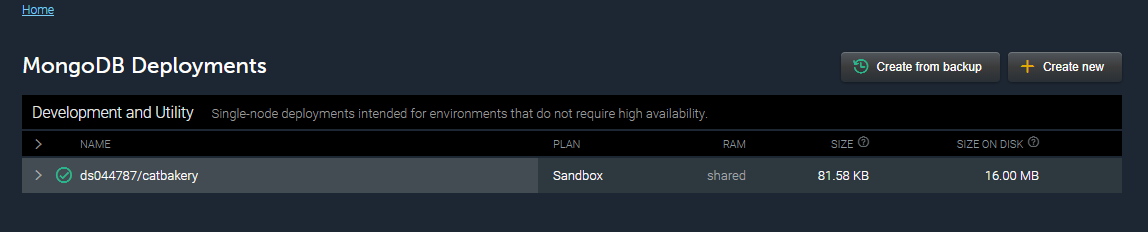


Figure 6-10:

Your database is now set-up and ready for you to configure in your web app.

### Updating Connection Details in Your Web App

The next step is to update you mvc appication to point at the newly created mongo database.

* Step 1: Within your atom, find the file called config.json and open it

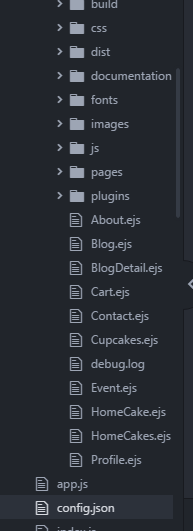


Figure 6-11:

* Step 2: Add the following code into the file directly.

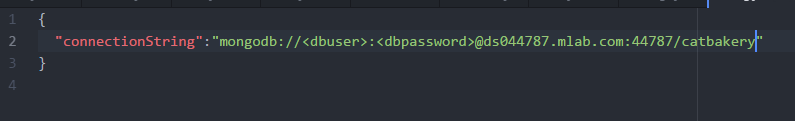
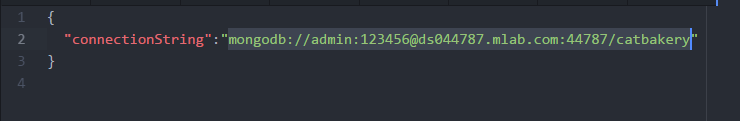


Figure 6-12:

* Step 3: Enter you dbuser and db password that you create on mlab (Figure 6-8).



* Step 4: Save the file

## Create & Deploying to Heroku Website

### Create Heroku Website

In order to deploy your website to Heroku you’re going to need to set-up an account. At [Heroku Website](https://www.heroku.com/) you can create an account for free and have a free trial. Furthermore, at this point in time you can set-up up to 5 heroku websites for free – you cannot use custom domain names, ssl or several other features, but they are perfect for experimentation.

Once you have created you account head to <https://dashboard.heroku.com/apps> where you can set-up your first website:

* Step 1: From the main screen click the new button in the right corner

Then select Create new app

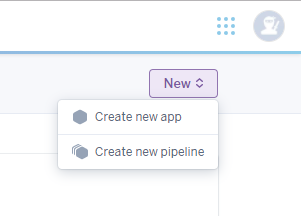


Figure 6-13:

* **Step 3:** Enter the name for your website, I used “catbakery” (note that you have to choose a name that’s available).
* Step 4: Select a region where you want your site to be hosted, I suggest choose United States
* Step 5: Press create website

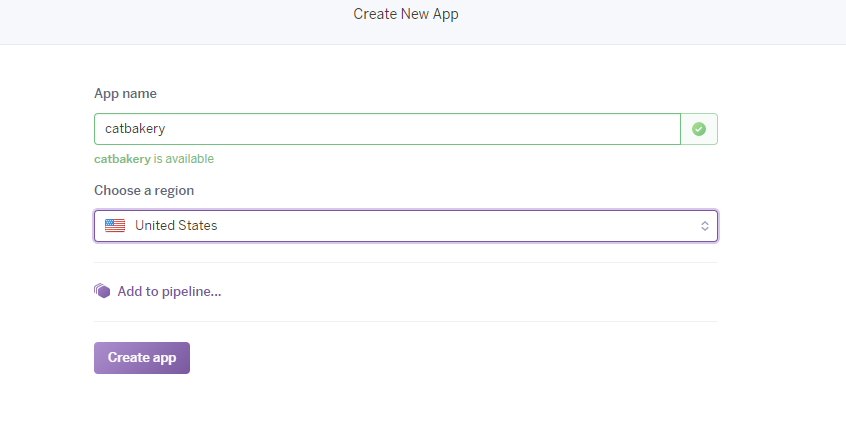


Figure 6-14:

You’ll have to wait a few seconds for heroku to spin up the website

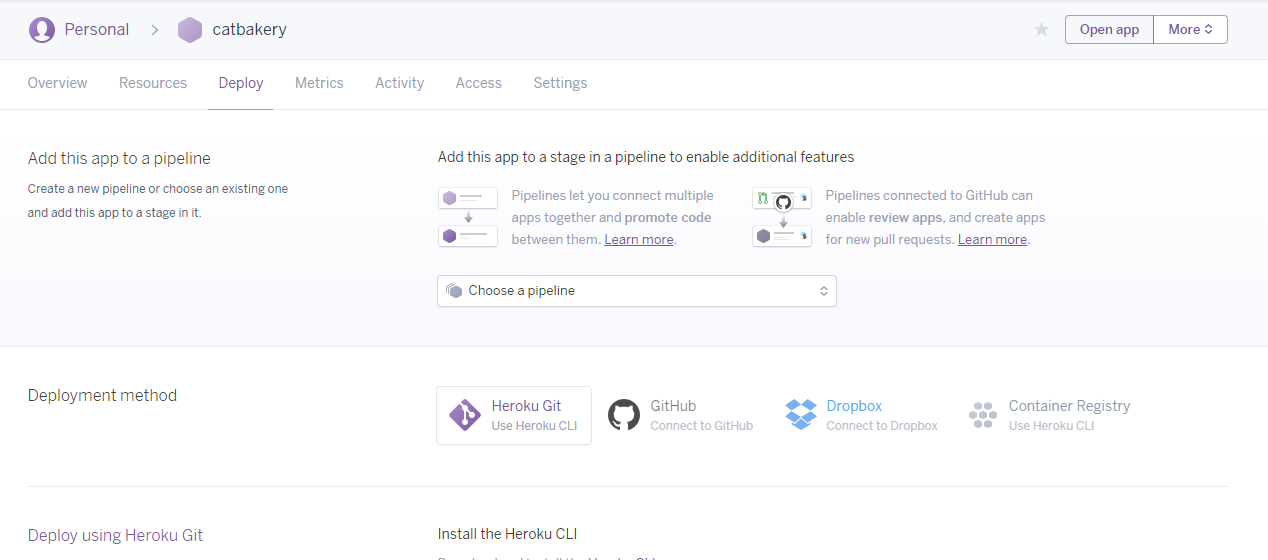


Figure 6-15:

Now you’ve got an heroku website ready, we can get to publishing your mvc site to the heroku service.

* Step 6 : Click Open app in the right corner to see your website looklike.

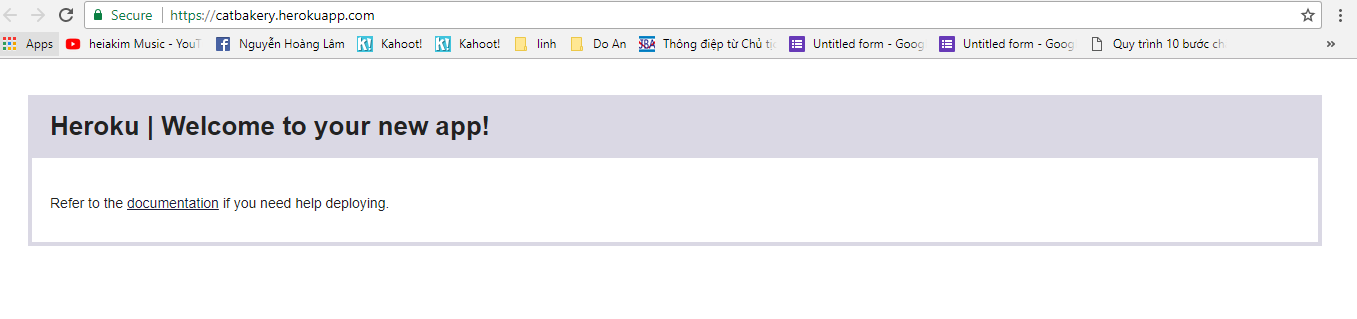


Figure 6-16:

### Deploying to the Heroku Website

* Step 1: From heroku dashboard, right click to your app in the left corner.

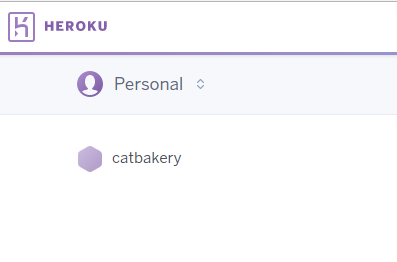
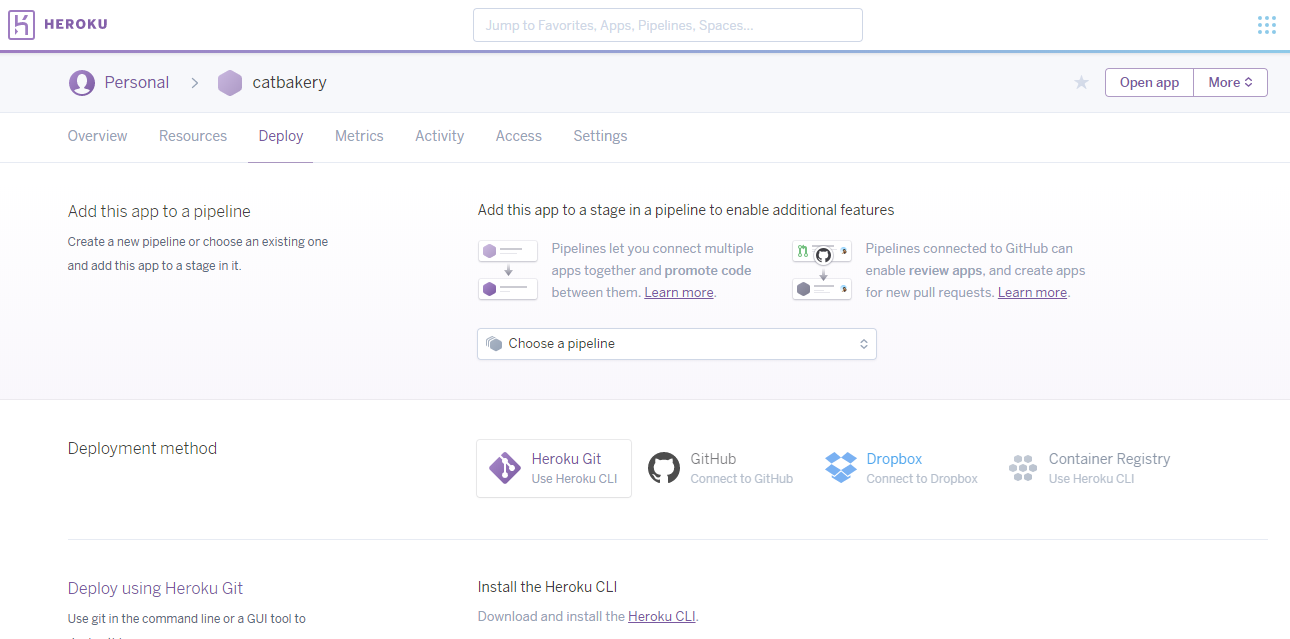


Figure 6-17:

* Step 2: Then select Deploy



You will see the Deployment method. Select one. I choose Heroku Git.

* Step 3: Install the Heroku CLI

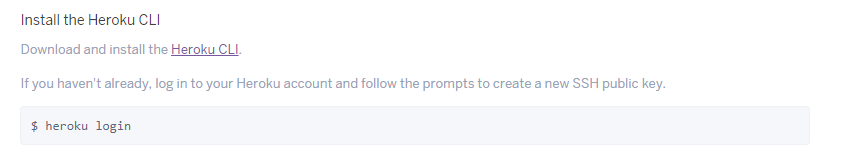


Figure 6-18:

* Step 4: Open the Command Prompt type: heroku login
* You need to enter your email and your password

(email and password of your heroku account)

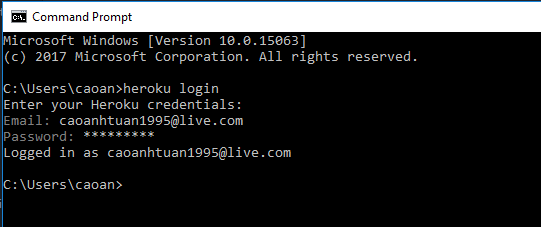
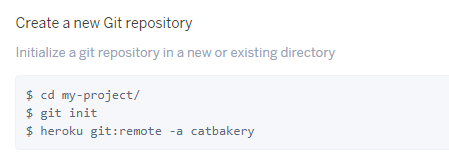


Figure 6-18:

* Step 5: Create a new git repository

Follow this step.



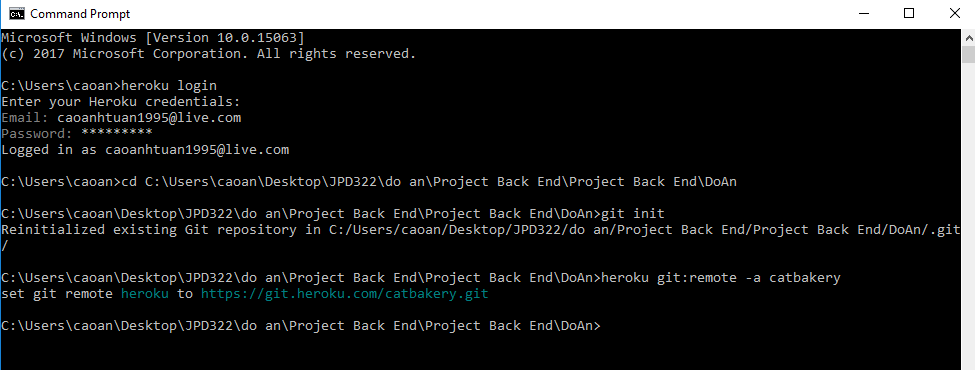
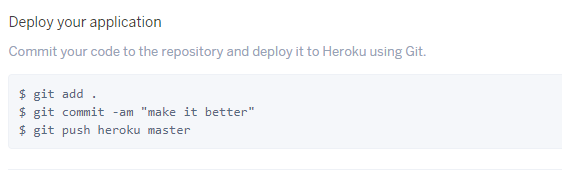


Figure 6-19:

* Step 6: Deploy you application

Follow this step.



Once your website has finished deploying, open your browser type [yourwebsitename.herokuapp.com](https://catbakery.herokuapp.com/)

