

Heroku Model Deployment Document

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Batch code: LISUM17

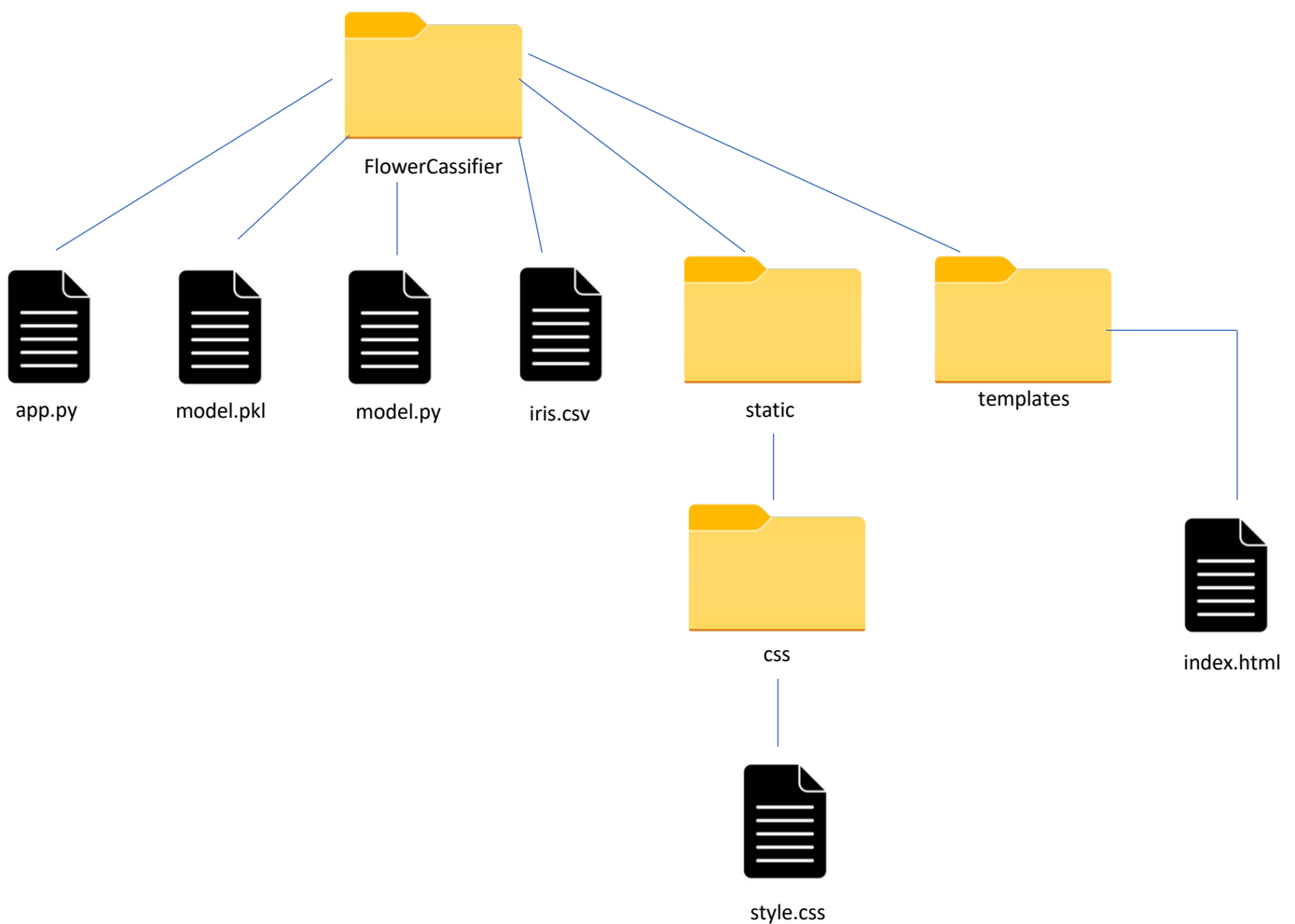
Submission date: 02/04/2023

Submitted to: <https://github.com/avig00/FlowerClassifier>

The Application

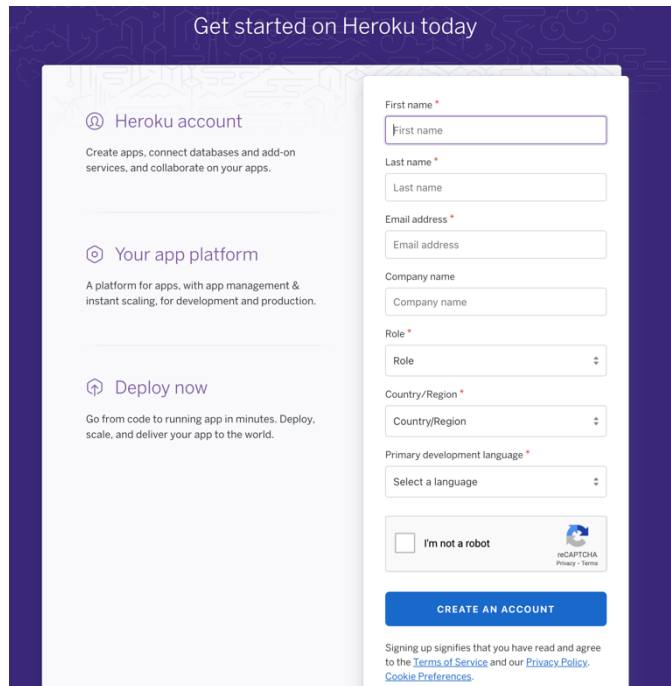
The goal of this deliverable is to deploy the model from the previous week's deliverable, a simple flower classifier app, called FlowerClassifier, on Heroku.

Recap from Module 4: Overview of Directory Structure for App



Step 1: Create a Heroku Account

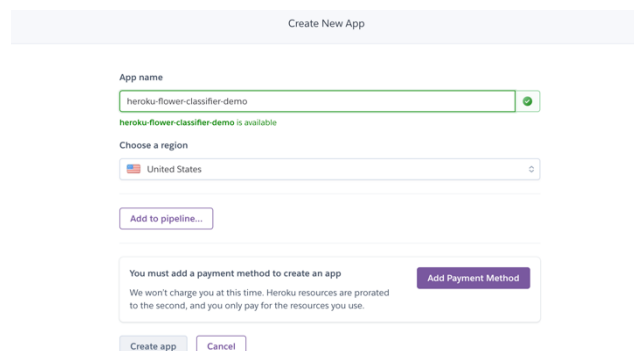
Before we can deploy our model on Heroku, we first need to make a Heroku account.



The image shows the Heroku account creation page. It has a dark purple header with the text "Get started on Heroku today". Below this, there are three sections on the left: "Heroku account" (with a sub-header "Create apps, connect databases and add-on services, and collaborate on your apps."), "Your app platform" (with a sub-header "A platform for apps, with app management & instant scaling, for development and production."), and "Deploy now" (with a sub-header "Go from code to running app in minutes. Deploy, scale, and deliver your app to the world."). On the right, there is a form with the following fields: "First name" (text input), "Last name" (text input), "Email address" (text input), "Company name" (text input), "Role" (dropdown menu), "Country/Region" (dropdown menu), and "Primary development language" (dropdown menu). Below these fields is a checkbox labeled "I'm not a robot" with a reCAPTCHA logo. At the bottom of the form is a blue button labeled "CREATE AN ACCOUNT". Below the button, there is a small disclaimer: "Signing up signifies that you have read and agree to the [Terms of Service](#) and our [Privacy Policy](#). [Cookie Preferences](#)."

Step 2: Link Heroku Account to GitHub

The next step is to link our Heroku account to GitHub. Note that we link our Heroku account to the GitHub repository that we created last week, which is where the code for our FlowerClassifier app resides.



The image shows the "Create New App" form in Heroku. It has a light gray header with the text "Create New App". Below this, there are several sections: "App name" (text input with "heroku-flower-classifier-demo" and a green checkmark icon), "Choose a region" (dropdown menu with "United States" selected), "Add to pipeline..." (button), and a section titled "You must add a payment method to create an app" with a sub-header "We won't charge you at this time. Heroku resources are prorated to the second, and you only pay for the resources you use." and an "Add Payment Method" button. At the bottom, there are two buttons: "Create app" and "Cancel".

Search for a repository to connect to



The image shows a search bar with the text "avig00" in the first input field and "flower" in the second input field. To the right of the second input field is a button labeled "Search".

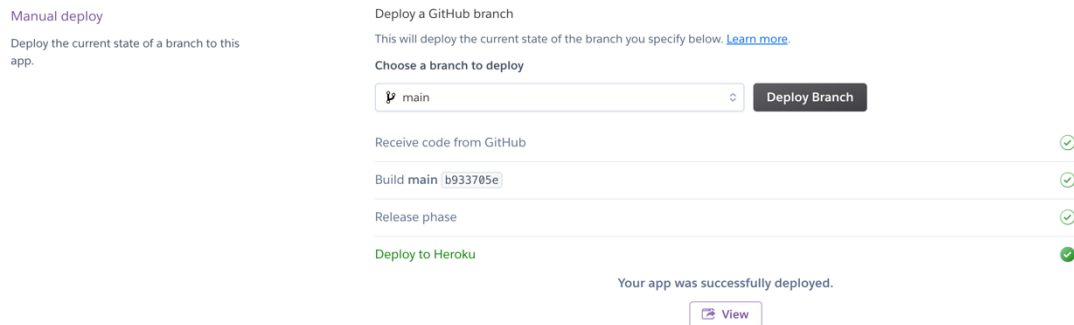
Missing a GitHub organization? [Ensure Heroku Dashboard has team access.](#)

avig00/FlowerClassifier

Connect

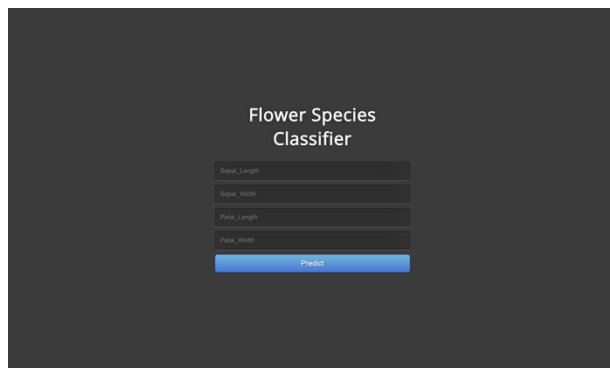
Step 3: Deploy the Machine Learning App

After the GitHub repository has been linked, we are ready to deploy the app. Heroku reads the requirements from the “requirements.txt” file to create the environment.

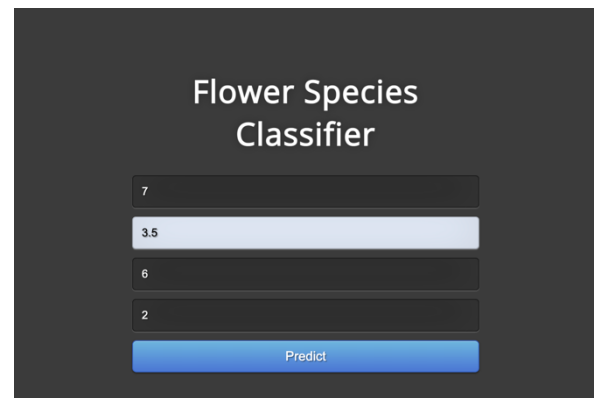


Step 4: Test the Web App

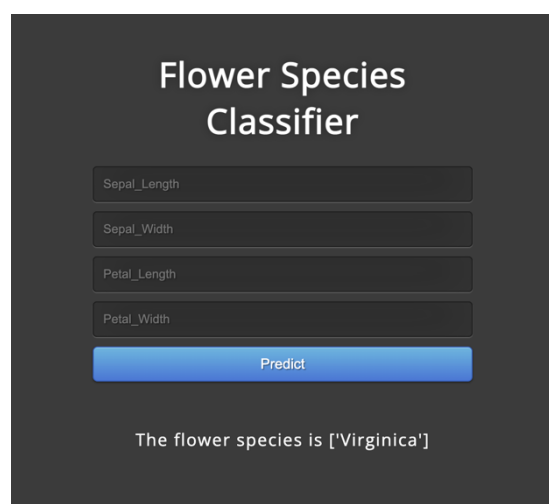
Now we can test the web app using the link provided to us by Heroku.



The Home page



User inputs feature parameters



Flower species is displayed to the user