



TUTORIAL DEPLOY HEROKU

M2 - SEMANA 9

PUBLICAÇÃO DO PROJETO

- Existem diversas formas de publicar uma aplicação em nuvem;
- Vamos direcionar para uma plataforma chamada HEROKU (*Cloud Application Platform*), que suporta oficialmente as seguintes linguagens de programação *server side*:




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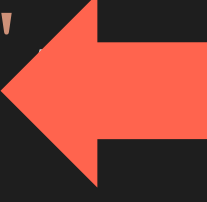
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1. Acrescente na RAIZ do repositório do GitHub do projeto o arquivo `package.json`

```
{
  "name": "m2",
  "version": "0.0.1",
  "description": "This example is so cool.",
  "scripts": {
    "start": "node app_XX.js"
  },
  "keywords": [
    "example",
    "heroku"
  ],
  "author": "inteli",
  "license": "Inteli",
  "dependencies": {
    "express": "^4.18.0",
    "sqlite3": "^5.0.5"
  },
  "engines": {
    "node": "16.14.0"
  }
}
```



Indique aqui o nome do arquivo JS no qual seu servidor node é iniciado

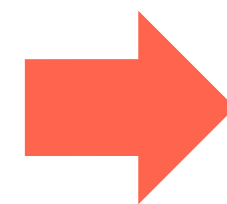


Se tiver incluído algum outro pacote à sua aplicação, inclua-o aqui

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2. Acrescente na RAIZ do repositório do GitHub do projeto o arquivo **uma cópia** do seu código JS responsável por iniciar o servidor Node e, nessa cópia, altere a linha iniciada por `app.listen` por:

```
app.listen(process.env.PORT, () => {  
  console.log(`Server running`);  
});
```



Com essa instrução, ao invés de indicarmos uma porta específica e o localhost para o servidor rodar, a própria plataforma determinará a porta que foi disponibilizada para nossa aplicação

Observação: provavelmente, essas são as últimas linha do seu `app.js`

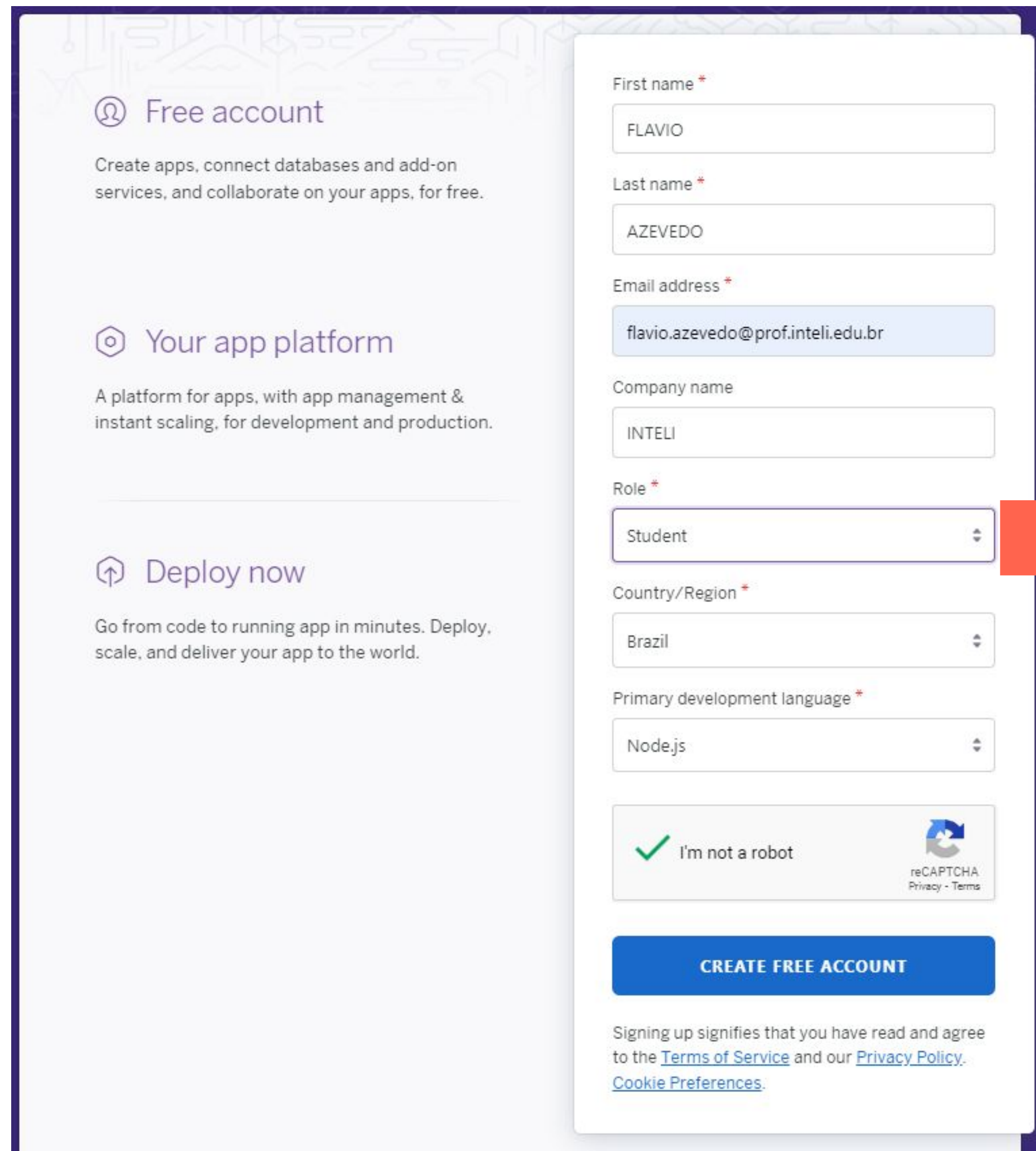
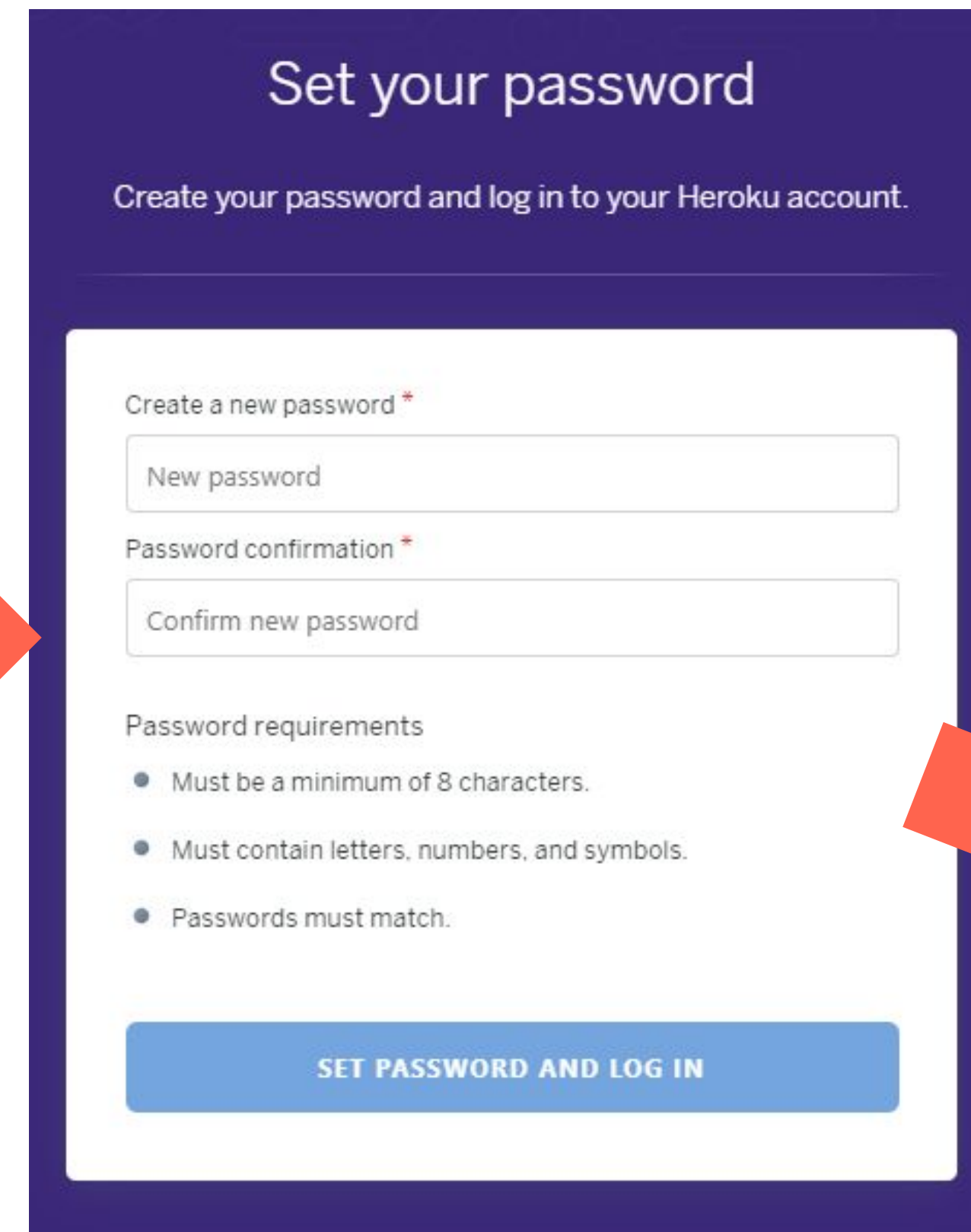
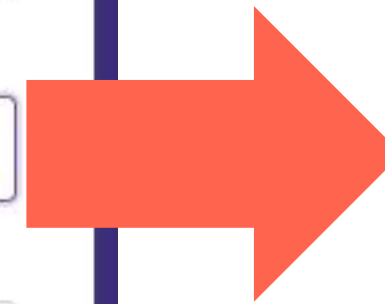
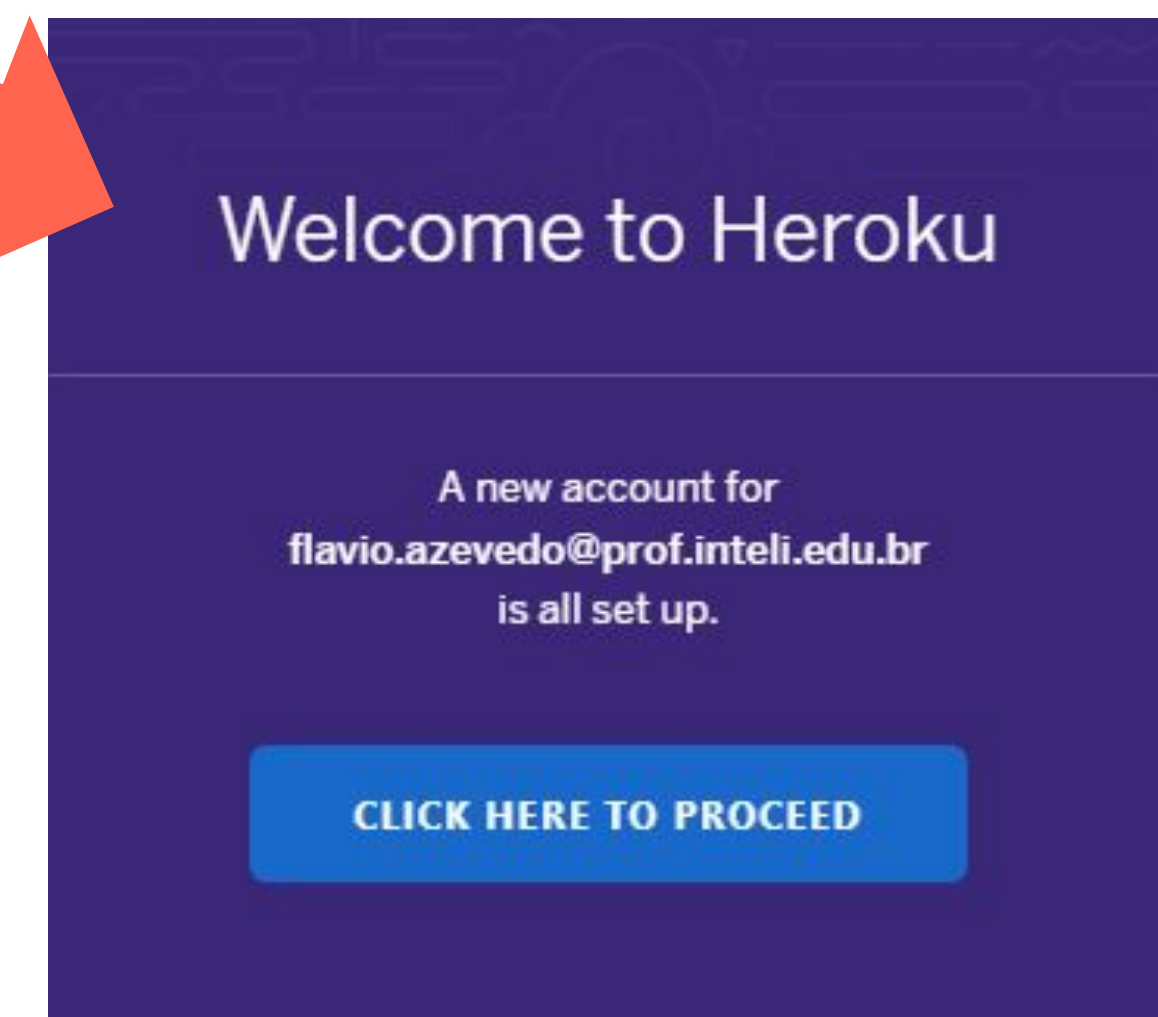
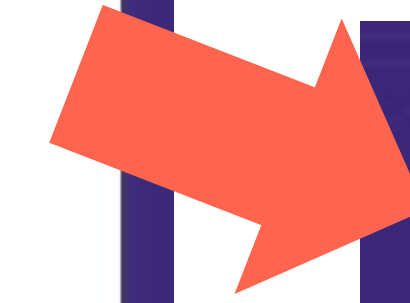


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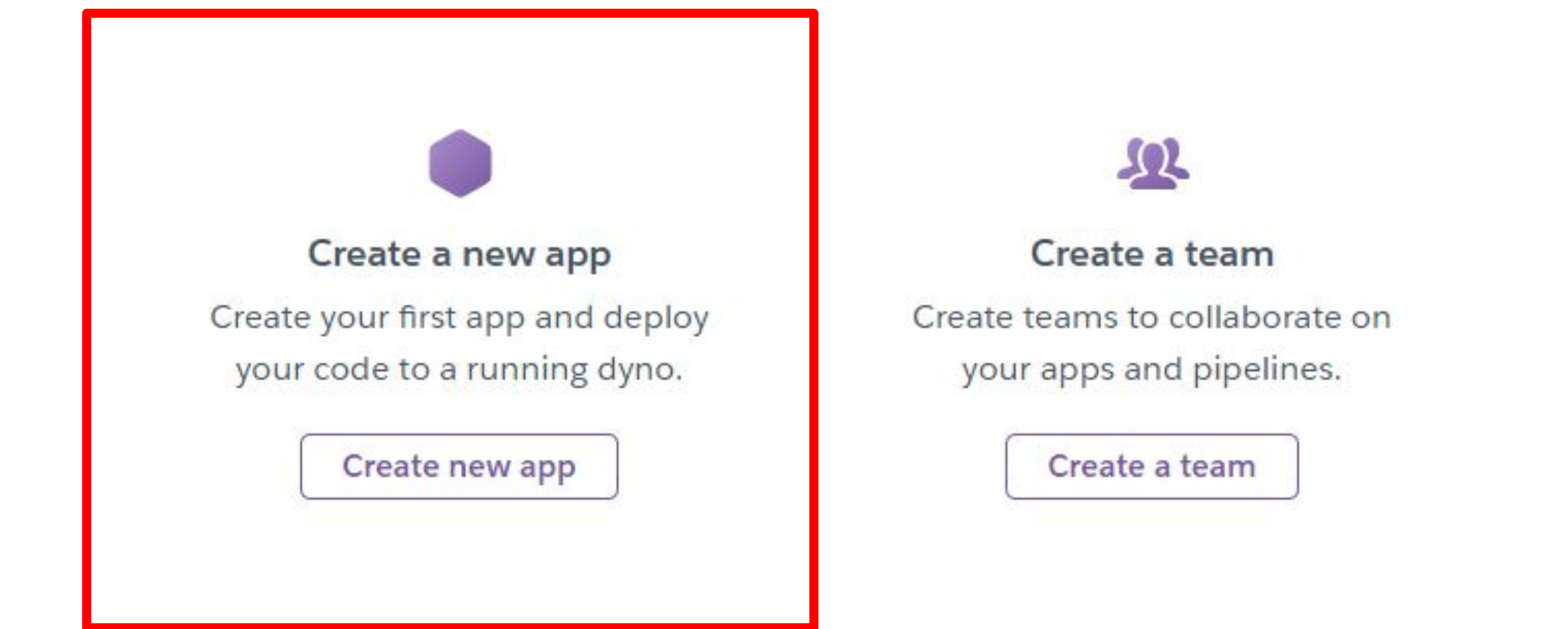
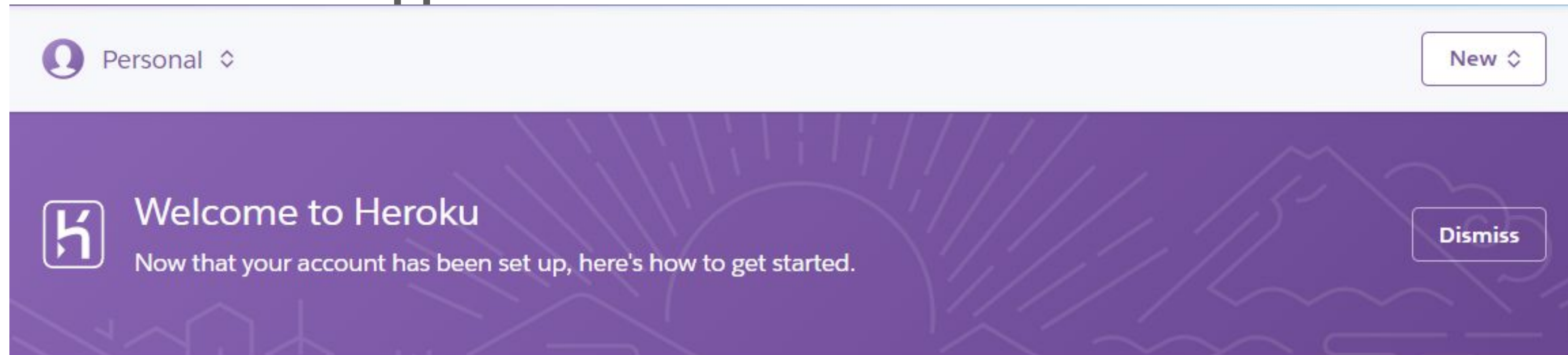
3. Criar uma conta na plataforma Heroku:

A screenshot of the Heroku account creation form. The form is titled 'Free account' and includes a description: 'Create apps, connect databases and add-on services, and collaborate on your apps, for free.' Below this, there is a section titled 'Your app platform' with a description: 'A platform for apps, with app management & instant scaling, for development and production.' At the bottom of this section is a 'Deploy now' button. The main form fields are: 'First name' (FLAVIO), 'Last name' (AZEVEDO), 'Email address' (flavio.azevedo@prof.inteli.edu.br), 'Company name' (INTELI), 'Role' (Student), 'Country/Region' (Brazil), and 'Primary development language' (Node.js). There is a reCAPTCHA checkbox labeled 'I'm not a robot' and a 'CREATE FREE ACCOUNT' button. At the bottom, there is a disclaimer: 'Signing up signifies that you have read and agree to the Terms of Service and our Privacy Policy. Cookie Preferences.'A screenshot of the 'Set your password' screen. The title is 'Set your password' and the subtitle is 'Create your password and log in to your Heroku account.' The form includes two input fields: 'New password' and 'Confirm new password'. Below these fields are the 'Password requirements' listed as: 'Must be a minimum of 8 characters.', 'Must contain letters, numbers, and symbols.', and 'Passwords must match.' At the bottom is a blue button labeled 'SET PASSWORD AND LOG IN'.A screenshot of the 'Welcome to Heroku' screen. The title is 'Welcome to Heroku'. Below the title, it says 'A new account for flavio.azevedo@prof.inteli.edu.br is all set up.' At the bottom is a blue button labeled 'CLICK HERE TO PROCEED'.

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4. Aceite os termos e crie um app:



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5. Escolha um nome único para sua aplicação:

Create New App

App name

flavinho-gp



flavinho-gp is available

Choose a region



United States



Add to pipeline...

Create app

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6. Escolha o método de deploy - GitHub ou Heroku Git:

Overview Resources **Deploy** Metrics Activity Access Settings


Add this app to a pipeline

Create a new pipeline or choose an existing one and add this app to a stage in it.


Add this app to a stage in a pipeline to enable additional features



Pipelines let you connect multiple apps together and **promote code** between them. [Learn more.](#)



Pipelines connected to GitHub can enable **review apps**, and create apps for new pull requests. [Learn more.](#)

 Choose a pipeline

Deployment method



Heroku Git
Use Heroku CLI



GitHub
Connect to GitHub



Container Registry
Use Heroku CLI

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6.1. Escolhendo o GitHub, permita o acesso à sua conta:

Connect to GitHub

Connect this app to GitHub to enable code diffs and deploys.

View your code diffs on GitHub

Connect your app to a GitHub repository to see commit diffs in the activity log.

Deploy changes with GitHub

Connecting to a repository will allow you to deploy a branch to your app.

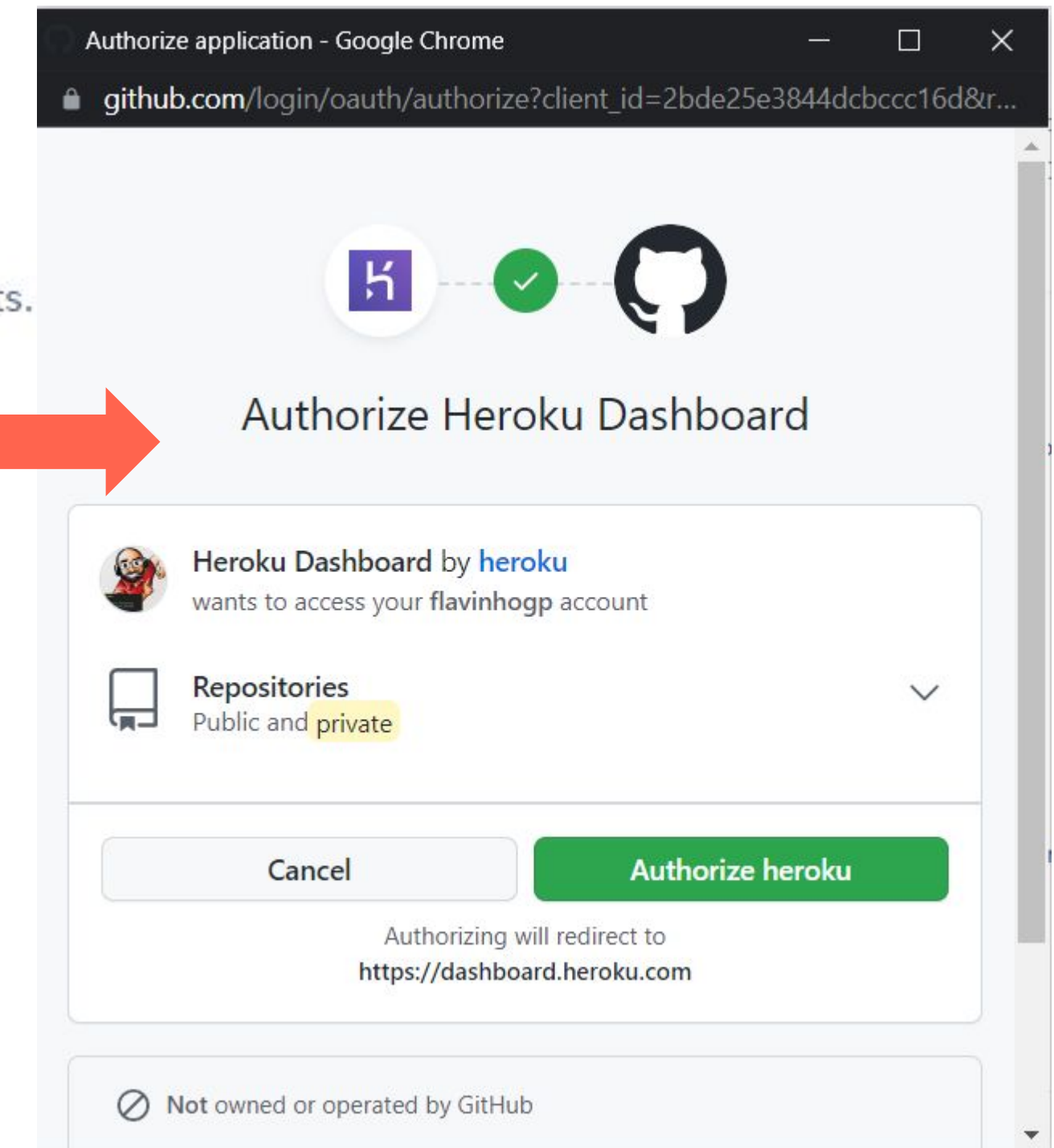
Automatic deploys from GitHub

Select a branch to deploy automatically whenever it is pushed to.

Create review apps in pipelines

Pipelines connected to GitHub can enable **review apps**, and create apps for new pull requests.

Connect to GitHub





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6.2. Conecte com o repositório que deseja publicar:

Deployment method

 Heroku Git
Use Heroku CLI


 GitHub
Connect to GitHub

 Container Registry
Use Heroku CLI

Connect to GitHub

Connect this app to GitHub to enable code diffs and deploys.


Search for a repository to connect to

 flavinhogp


repo-name

Search

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

 flavinhogp/teste

Connect

 flavinhogp/PROJETO-CRUD

Connect



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6.3. Faça o primeiro deploy (manualmente):

Manual deploy

Deploy the current state of a branch to this app.

Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more.](#)

Choose a branch to deploy

main

Deploy Branch

Receive code from GitHub



Build main 18bbb034



Release phase



Deploy to Heroku



Your app was successfully deployed.

View

Já temos o link para a aplicação



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* Se quiser, habilite o deploy automático para que sempre que um novo commit for realizado no repositório Git indicado, a nova versão já seja publicada:

Automatic deploys

Enables a chosen branch to be automatically deployed to this app.



You can now change your main deploy branch from "master" to "main" for both manual and automatic deploys, please follow the instructions [here](#).

Enable automatic deploys from GitHub

Every push to the branch you specify here will deploy a new version of this app. **Deploys happen automatically:** be sure that this branch is always in a deployable state and any tests have passed before you push. [Learn more](#).

Choose a branch to deploy



main



☐ Wait for CI to pass before deploy

Only enable this option if you have a Continuous Integration service configured on your repo.

Enable Automatic Deploys

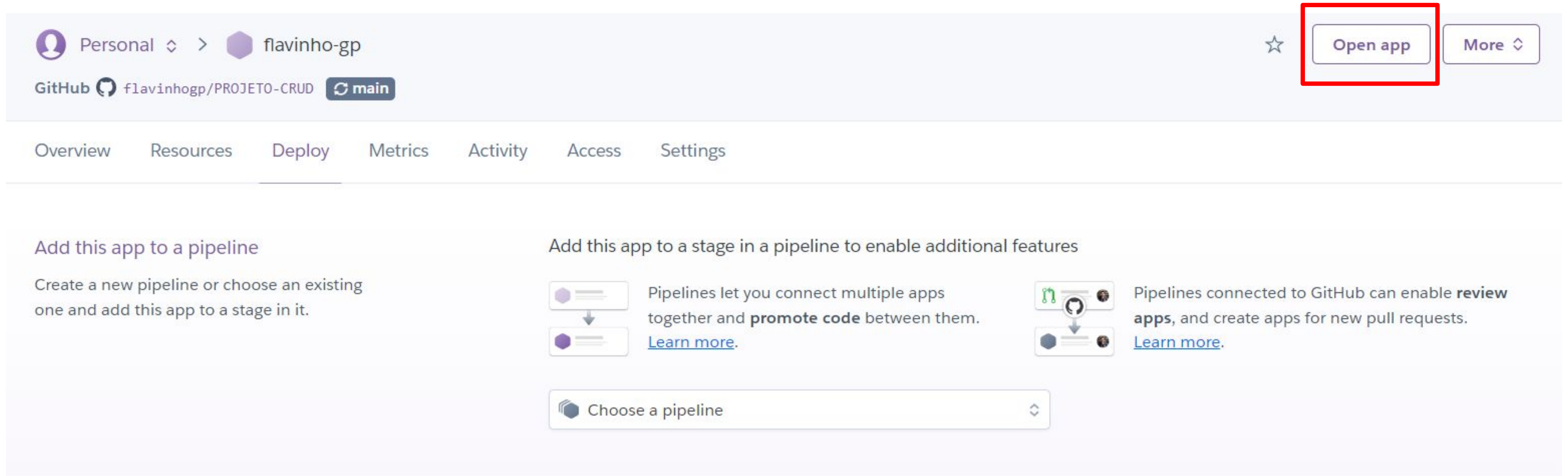
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Pronto! App Heroku configurado e app publicado :) Na tela do app, clique em Open App:

A screenshot of the Heroku dashboard for an application named 'flavinho-gp'. The top navigation bar shows 'Personal' and 'flavinho-gp'. Below it, the GitHub repository 'flavinhogp/PROJETO-CRUD' is listed with a 'main' branch. On the right, there is a star icon, an 'Open app' button (highlighted with a red rectangle), and a 'More' dropdown menu. The main content area has tabs for 'Overview', 'Resources', 'Deploy', 'Metrics', 'Activity', 'Access', and 'Settings'. Under 'Add this app to a pipeline', there are instructions on how to create a new pipeline or add the app to an existing one. Below this, there are two columns of information about pipelines: one explaining that pipelines connect multiple apps and promote code, and another explaining that pipelines connected to GitHub can enable review apps. At the bottom, there is a dropdown menu labeled 'Choose a pipeline'.

Personal > flavinho-gp

GitHub flavinhogp/PROJETO-CRUD main

☆ Open app More

Overview Resources **Deploy** Metrics Activity Access Settings

Add this app to a pipeline

Create a new pipeline or choose an existing one and add this app to a stage in it.

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Pipelines connected to GitHub can enable **review apps**, and create apps for new pull requests. [Learn more.](#)

Choose a pipeline

Deployment method



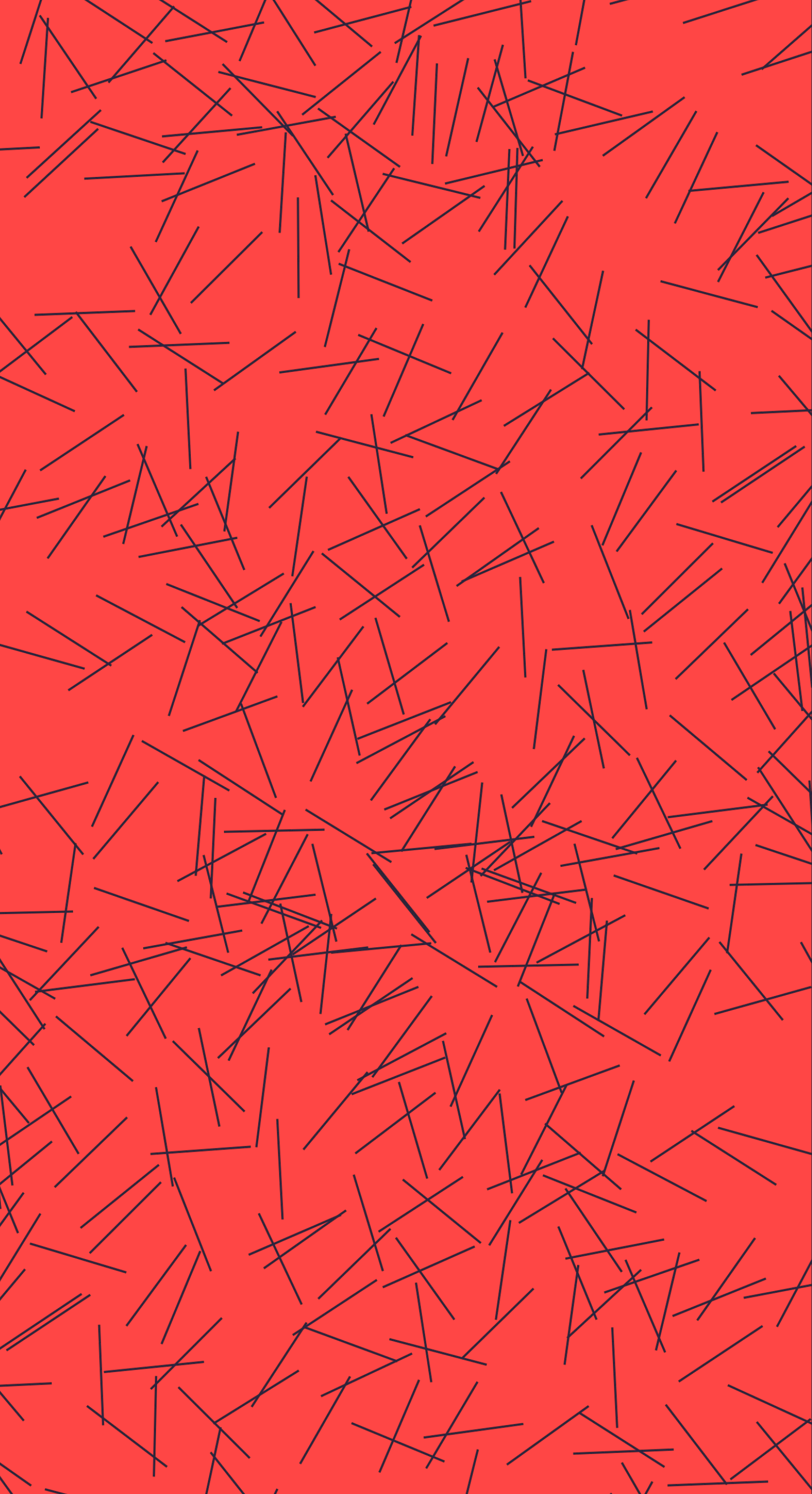
Heroku Git
Use Heroku CLI



GitHub
Connected



Container Registry
Use Heroku CLI



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