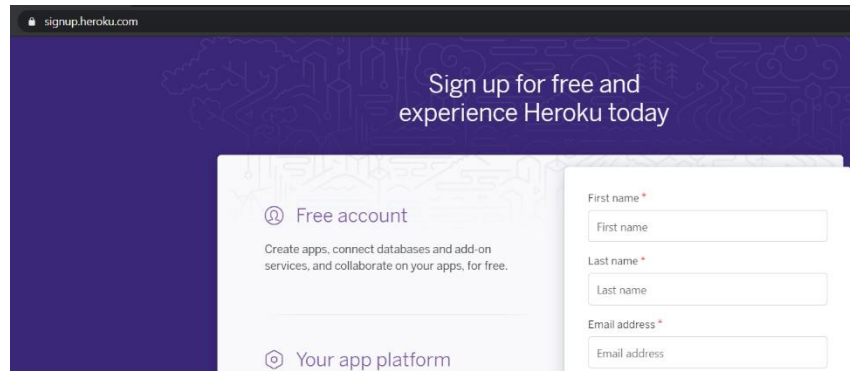


DEPLOYING SPRING BOOT APP ON HEROKU

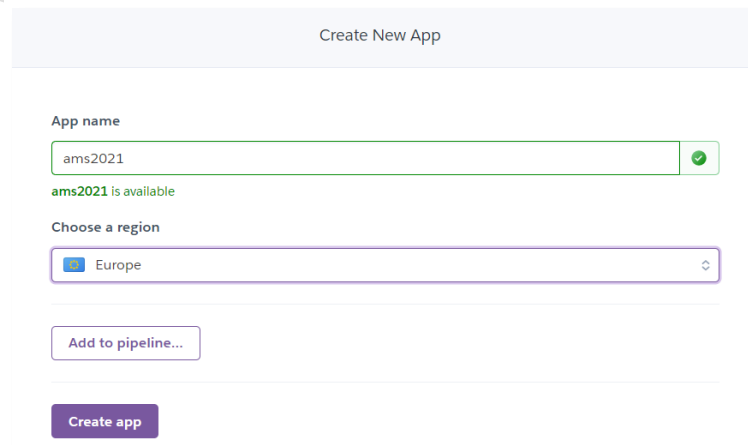
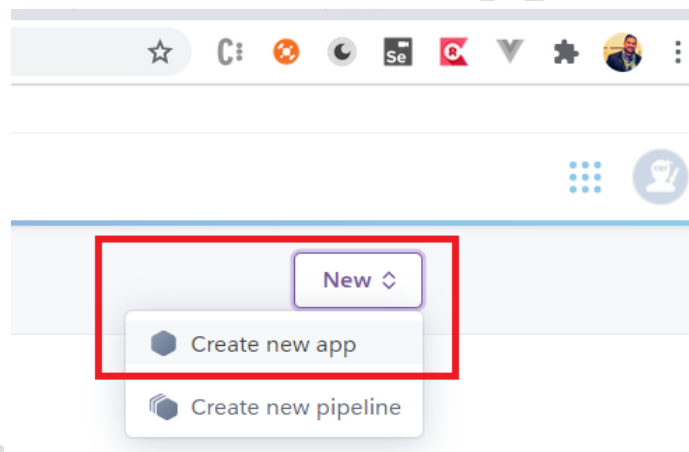
- **STEP 1: Create a Heroku Account**

<https://signup.heroku.com/>

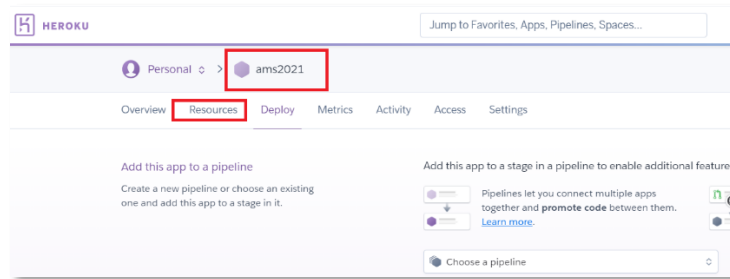


The image shows the Heroku signup page. The header says "Sign up for free and experience Heroku today". Below this, there are two main sections: "Free account" and "Your app platform". The "Free account" section includes a description: "Create apps, connect databases and add-on services, and collaborate on your apps, for free." The "Your app platform" section is currently empty. To the right, there is a form with fields for "First name", "Last name", and "Email address", each with a corresponding input box.

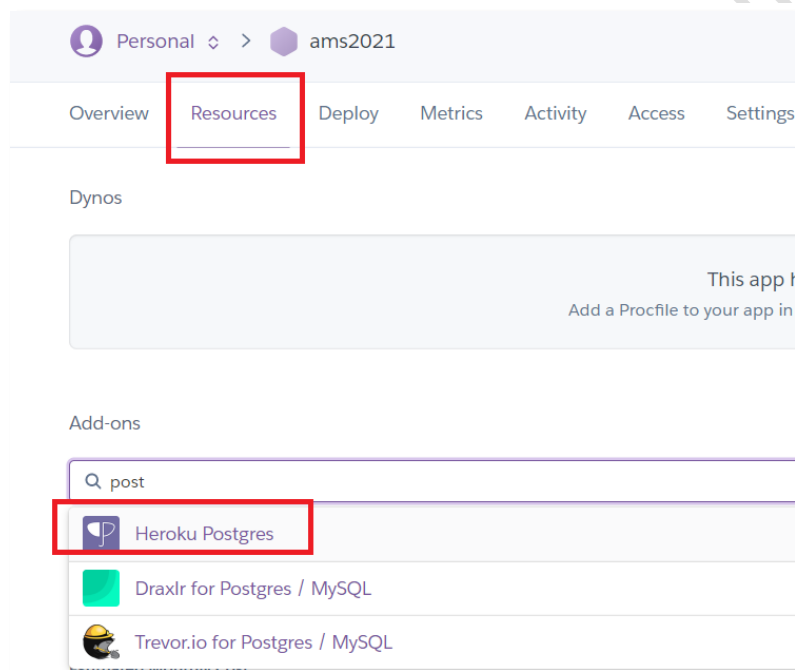
- **STEP 2: Create new App**



The image shows the "Create New App" form. It has a title "Create New App" at the top. Below the title, there is a section for "App name" with a text input field containing "ams2021" and a green checkmark icon. Below this, it says "ams2021 is available". There is a section for "Choose a region" with a dropdown menu showing "Europe". At the bottom, there are two buttons: "Add to pipeline..." and "Create app".



- **STEP3: Add new Postgres data base (free) to our project by Resource's tab**



Heroku Postgres → ams2021

By choosing "Online Order Form", this will add **Heroku Postgres** on your personal **ams2021** application.

Plan name
Hobby Dev - Free

[View add-on details in Elements Marketplace](#)

By submitting this order form, you agree that the Add-on is governed by the applicable provider's terms of use, and the Heroku Services are governed by the [Salesforce Master Subscription Agreement](#), unless (except for free customers) you have entered into a written Master Subscription Agreement executed by SFDC for the Heroku Services as referenced in the Documentation.

Submit Order Form

You can see the data base credentials, below

Databases > postgresql-clean-05992

SERVICE heroku-postgresql PLAN hobby-dev BILLING APP ams2021

Overview Durability Settings Dataclips

ADMINISTRATION

Database Credentials

Get credentials for manual connections to this database.

Please note that **these credentials are not permanent**.
Heroku rotates credentials periodically and updates applications where this database is attached.

Host	ec2-52-50-171-4.eu-west-1.compute.amazonaws.com
Database	dfbipj16k37jnc
User	jvnmkgoodjuaq
Port	5432
Password	179681b3a180350c581d500bc3c6519026442a65aa8116a99cd56bf8a3622f47
URI	postgres://jvnmkgoodjuaq:179681b3a180350c581d500bc3c6519026442a65aa8116a99cd56bf8a3622f47@ec2-52-50-171-4.eu-west-1.compute.amazonaws.com:5432/dfbipj16k37jnc
Heroku CLI	heroku pg:psql postgresql-clean-05992 --app ams2021

Now we are going to deploy our app into Heroku, we will use git hub

Personal > ams2021

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 connect apps, and create new apps. [Learn more.](#)

Choose a pipeline

Deployment method

Heroku Git Use Heroku CLI

GitHub Connect to GitHub

Container Registry Use Heroku CLI

- **STEP4: Update your project and push it into git hub**

In `application.properties`

```
spring.jpa.hibernate.ddl-auto=update
spring.datasource.driverClassName=org.postgresql.Driver
spring.datasource.maxActive=10
spring.datasource.maxIdle=5
spring.datasource.minIdle=2
spring.datasource.initialSize=5
spring.datasource.removeAbandoned=true
```

For Postgres data base, you should not use table "user" : it's reserved table name

Changer user by users

```
@Entity
@Table(name = "users")

public class User {
```

Also in application.properties

```
spring.queries.users-query=select email, password, active from users where email=?
spring.queries.roles-query=select u.email, r.role from users u inner join user_role ur on(u.user_id=ur.user_id) inner join role r on(ur.role_id=r.role_id) where u.email=?
```

And comment this dependency

```
<!-- dependency>
    <groupId>mysql</groupId>
    <artifactId>mysql-connector-java</artifactId>
    <scope>runtime</scope>
</dependency-->
```

Add the Postgres dependency

```
<dependency>
    <groupId>org.postgresql</groupId>
    <artifactId>postgresql</artifactId>
</dependency>
```

In the user service, update

```
user.setActive(1);
```

The add the configuration class

```
package com.sip.ams.configuration;

import com.zaxxer.hikari.*;
```

```

import org.springframework.beans.factory.annotation.Value;
import org.springframework.context.annotation.*;
import javax.sql.DataSource;

@Configuration
public class DatabaseConfig {

    @Value("${spring.datasource.url}")
    private String dbUrl;

    @Bean
    public DataSource dataSource() {
        HikariConfig config = new HikariConfig();
        config.setJdbcUrl(dbUrl);
        return new HikariDataSource(config);
    }
}

```

The add the project into new remote repository under github.

```

chaym@DESKTOP-730R6NC MINGW64 ~/Desktop/fullStack_Janvier2021/ams
$ git init
Initialized empty Git repository in C:/Users/chaym/Desktop/fullStack_Janvier2021/ams/.git/

chaym@DESKTOP-730R6NC MINGW64 ~/Desktop/fullStack_Janvier2021/ams (master)
$ git status
On branch master

Initial commit

Untracked files:
  (use "git add <file>..." to include in what will be committed)

        .gitignore
        .mvn/
        mvnw
        mvnw.cmd
        pom.xml
        src/

```

```

chaym@DESKTOP-730R6NC MINGW64 ~/Desktop/fullStack_Janvier2021/ams (master)
$ git add --all

```

```

chaym@DESKTOP-730R6NC MINGW64 ~/Desktop/fullStack_Janvier2021/ams (master)
$ git commit -m "my spring boot app"

```

Create a new repository


A repository contains all project files, including the revision history. Already have a project repository elsewhere?

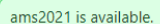
[Import a repository.](#)

Owner *

 MezghichGit

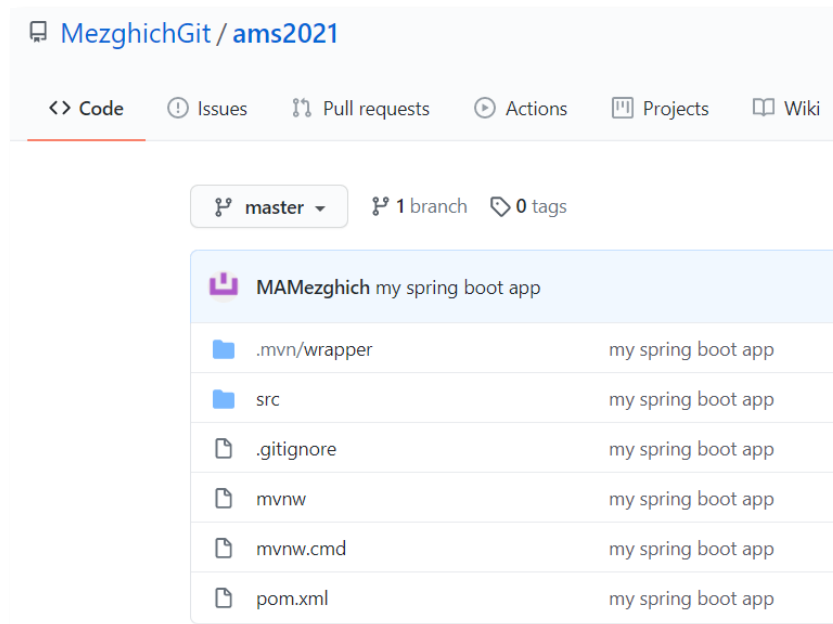
Repository name *

/ ams2021 

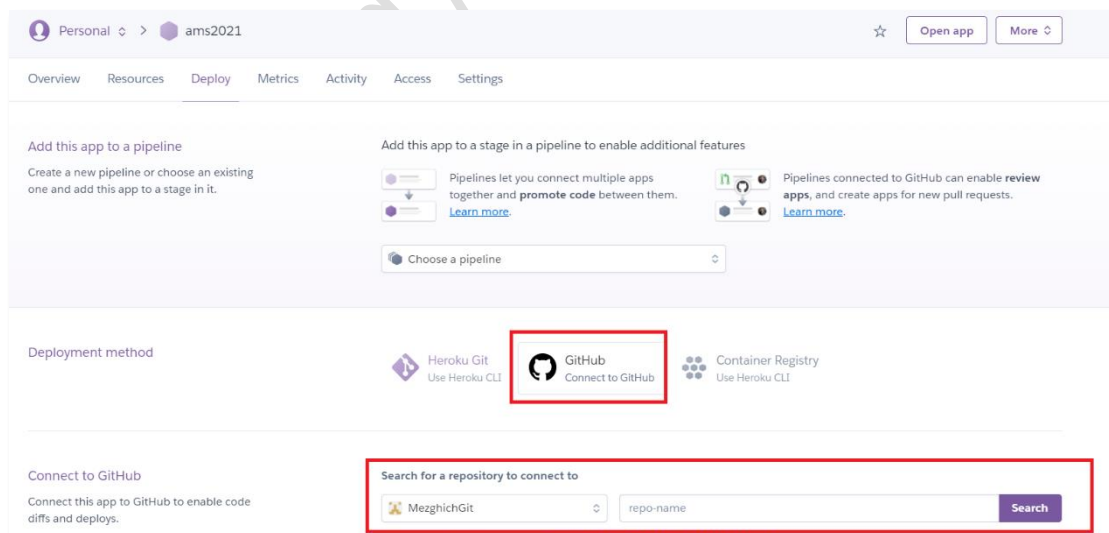
Great repository names are s  ams2021 is available. Need inspiration? How about [special-potato?](#)

```
chaym@DESKTOP-730R6NC MINGW64 ~/Desktop/fullStack_Janvier2021/ams (master)
$ git remote add origin https://github.com/MezghichGit/ams2021.git
```

```
chaym@DESKTOP-730R6NC MINGW64 ~/Desktop/fullStack_Janvier2021/ams (master)
$ git push -u origin master
```



Finally deploy your app to Heroku



Search for a repository to connect to

MezghichGit ↕ ams2021 Search

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

MezghichGit/ams2021 Connect

➔ Choose Enable Automatic Deploys option

Choose a branch to deploy

master ↕

☐ Wait for CI to pass before deploy

Only enable this option if you have a Continuous Integration service configured

Enable Automatic Deploys

Choose a branch to deploy

master ↕ Deploy Branch

Receive code from GitHub ✓

Build master c51f92aa

```

-----> Building on the Heroku-20 stack
-----> Java app detected
-----> Installing JDK 1.8... done
-----> Executing Maven
$ ./mvnw -DskipTests clean dependency:list install
  
```

Deploy a GitHub branch

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

Choose a branch to deploy

master ↕ Deploy Branch

Receive code from GitHub ✓

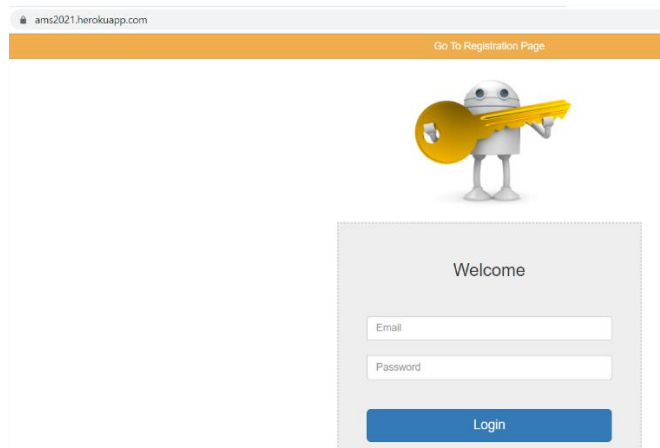
Build master c51f92aa ✓

Release phase ✓

Deploy to Heroku ✓

Your app was successfully deployed.

View



That's it 😊

Don't forget to add some roles. It's mandatory (obligatoire) for registration

ams2021v2.herokuapp.com/role/list

[Add Role](#)

Nombre total de role= 3

ID	Role
1	USER
2	ADMIN
3	SUPERADMIN

ams2021v2.herokuapp.com/accounts/list

Nombre total des Users= 1

ID	Name	Email	Role	Update Role	is Active	Activer	Désactiver
4	test	test@gmail.com	<ul style="list-style-type: none"> ADMIN USER 	USER Update role	1	Activer	Désactiver