In order to deploy a mobile geographic data collection project, a database stored in the web should be realized. There are several solutions that offer a free solution for this. One of the platforms supporting Postgres and PostGIS is Heroku, which is a platform as a service (PaaS) that enables developers to build, run, and operate applications entirely in the cloud. This tutorial relied on Heroku to set up the database on the cloud.

The sign up page of [Heroku](https://signup.heroku.com/login?redirect-url=https%3A%2F%2Fid.heroku.com%2Foauth%2Fauthorize%3Fclient_id%3Dd2ef2b24-e72c-4adf-8506-28db2218547d%26response_type%3Dcode%26scope%3Dglobal%252Cplatform%26state%3DSFMyNTY.g3QAAAACZAAEZGF0YW0AAAAxaHR0cHM6Ly9kYXNoYm9hcmQuaGVyb2t1LmNvbS9hdXRoL2hlcm9rdS9jYWxsYmFja2QABnNpZ25lZG4GANL7onluAQ.eDiBIjGpk8wBx82K2Ej2tBwAitNPBGNQoMMDLoySy78), as illustrated in Figure 2, requires some personal information such as name, surname and email address. Role is a compulsory field that can be, amongst others, ‘agency/partner developer’, ‘hobbyist’, ‘student’ or ‘other’. Select the role that best describes you.

|  |
| --- |
|  |

Figure 2 Sign up page of Heroku

Once the form is submitted, an email is sent to verify the account. These credentials is used to create a new app. The second step is to create the database as illustrated in Figure 3(a-h).

|  |
| --- |
|  |
| 1. Create new app |
|  |
| 1. App name should be acknowledged by Heroku |
|  |
| (c) Click on data |
|  |
| (d) Enter the name of your app |
|  |
| (e) Click on “Provision add-on” to agree to the terms of seerver |
|  |
| (f) Overall view of the project |
|  |
| (g) Click on “View Credentials ” |
|  |
| (h) Database credentials |

Figure 3 Deploying a Postgres database on Heroku

The credentials of the database, as illustrated in Figure 3h, include the necessary details of the database, such as the URL of the host and name of the database, user name, port and password. Since these details are private, they are censored within this tutorial with a grey rectangle.