**MANUAL**

1. Github repository: <https://github.com/ManhNV103/weed-datasets>

There are two branches in this repos:

* master: contains source code, any updates to the website need to be made with the code stored here.
* gh-pages: serve the website.

1. Source code structure (master branch):

After cloning the repos, and switch to the master branch (git checkout master). The folder structure should look like this in your local computer:

+---weed-datasets

+----README.md

+----package.json

+----src

+----Contact.js

+----Home.js

+----data.js

+----styles.css

+----Description.js

+----Nav.js

+----index.js

+----package-lock.json

+----public

+----index.html

1. Making changes to the website.

Everything you need to do to maintain the data and style of the website is do update the corresponding components in src/:

* Contact.js: contact page.
* Home.js: Home page, listing all datasets.
* data.js: Contain details of each dataset.
* Description: Web page displaying information of each dataset.
* Nav.js: navigation bar
* index.js: root, which is linked to index.html, later deployed.
* style.css: styling

To make it easier to update our dataset collection, the website was created dynamically. All you need to do is to update the text in the data.js file (add a new dataset, edit a current dataset, or remove a dataset…), and the changes will be reflected across the website.

To see our changes locally before publishing, first we need to install all required packages and libraries defined in package.json (make sure to install node.js in your computer). On your terminal, traverse into the weed-datasets directory, and run: npm install. You should now see a new directory called node\_modules, this is where all the libraries’ source code is installed. Next run npm start , the local website will be open in your default browser automatically (if not, simply visit the url specified in your terminal window (it is usually <http://localhost:3000/> ). Here, you should see your project hosted locally. If you are happy with the changes you have made locally. Following the next steps to publish it.

Next, we need to build the project, run: npm run build

You should see a new directory named build, which contains the build of the website, including minified source code. After that, run npm run deploy. You Github page website should now be updated (gh-pages branch will be updated). Finally, commit and push your source code to master manually to keep everything at the same page.