

How to deploy our app:

Files included in the zip folder:

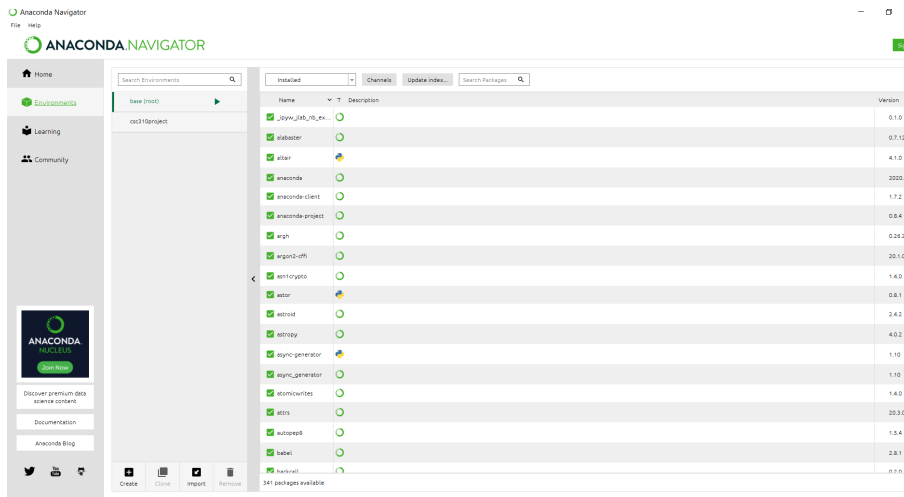
- `_main.py`
- `_final.py`
- `_comp_two.py`
- `Pipfile.py`
- `Requirements.txt`
- `Villagers.csv`
- All villager images
- Logo image
- Sound file
- This instructions document

For Windows OS:

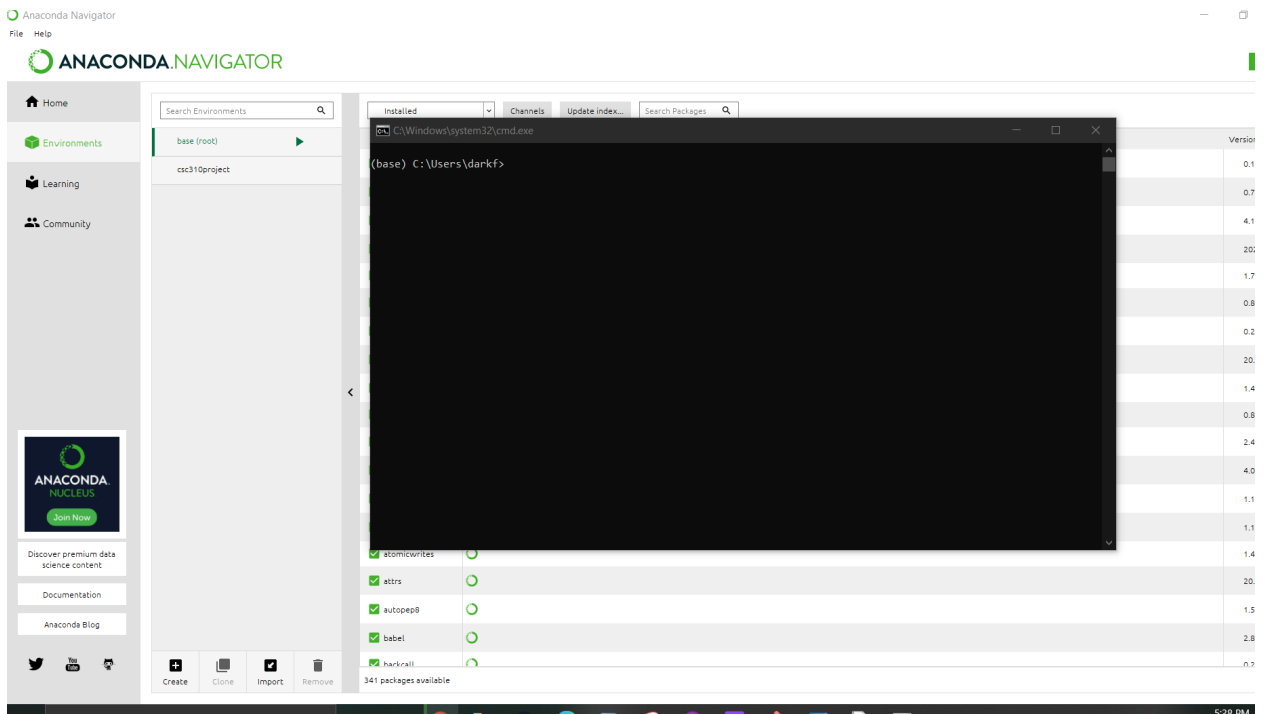
1. **Streamlit only works with Python Versions 3.6 - 3.8. There is no current support for 3.9.**
2. Streamlit requires 'PIP' to be installed however you can not do this right from your command prompt. For windows it is recommended to download 'Anaconda'
3. Here is the website: <https://www.anaconda.com/products/individual>
On the front page there will be a button that says "Download" that will bring you to the download page:



4. For windows I recommend downloading the 65-bit. From there install 'Anaconda' with the default settings. Once installed and opened it will look like this:



Make sure to click on 'Environment'. 'Base (root)' will be there by default, **you will have to create a new environment which can be done by clicking on the 'create' button below.** Once the new environment is made click on the arrow next to it and open the terminal, it will look like this:



- From the terminal in 'Anaconda' you have to install 'PIP' with the following command:
'pip install streamlit'.

It should look something like this once installed:

```
C:\Windows\system32\cmd.exe
Requirement already satisfied: cffi>=1.0.0 in c:\users\darkf\anaconda3\lib\site-packages (from argon2-cffi->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.0.0->pydeck>=0.1.dev5->streamlit) (1.14.3)
Requirement already satisfied: pywinpty>=0.5 in c:\users\darkf\anaconda3\lib\site-packages (from terminado>=0.8.3->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.0.0->pydeck>=0.1.dev5->streamlit) (0.5.7)
Requirement already satisfied: bleach in c:\users\darkf\anaconda3\lib\site-packages (from nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.0.0->pydeck>=0.1.dev5->streamlit) (3.2.1)
Requirement already satisfied: mistune<2,>=0.8.1 in c:\users\darkf\anaconda3\lib\site-packages (from nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.0.0->pydeck>=0.1.dev5->streamlit) (0.8.4)
Requirement already satisfied: jupyterlab-pygments in c:\users\darkf\anaconda3\lib\site-packages (from nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.0.0->pydeck>=0.1.dev5->streamlit) (0.1.2)
Requirement already satisfied: nbclient<0.6.0,>=0.5.0 in c:\users\darkf\anaconda3\lib\site-packages (from nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.0.0->pydeck>=0.1.dev5->streamlit) (0.5.1)
Requirement already satisfied: pandocfilters>=1.4.1 in c:\users\darkf\anaconda3\lib\site-packages (from nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.0.0->pydeck>=0.1.dev5->streamlit) (1.4.3)
Requirement already satisfied: testpath in c:\users\darkf\anaconda3\lib\site-packages (from nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.0.0->pydeck>=0.1.dev5->streamlit) (0.4.4)
Requirement already satisfied: defusedxml in c:\users\darkf\anaconda3\lib\site-packages (from nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.0.0->pydeck>=0.1.dev5->streamlit) (0.6.0)
Requirement already satisfied: pyparser in c:\users\darkf\anaconda3\lib\site-packages (from cffi>=1.0.0->argon2-cffi->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.0.0->pydeck>=0.1.dev5->streamlit) (2.20)
Requirement already satisfied: webencodings in c:\users\darkf\anaconda3\lib\site-packages (from bleach->nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.0.0->pydeck>=0.1.dev5->streamlit) (0.5.1)
Requirement already satisfied: nest-asyncio in c:\users\darkf\anaconda3\lib\site-packages (from nbclient<0.6.0,>=0.5.0->nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.0.0->pydeck>=0.1.dev5->streamlit) (1.4.2)
Requirement already satisfied: async-generator in c:\users\darkf\anaconda3\lib\site-packages (from nbclient<0.6.0,>=0.5.0->nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets>=7.0.0->pydeck>=0.1.dev5->streamlit) (1.10)

(base) C:\Users\darkf>
```

6. Once installed from the terminal you have to **'cd' into the folder**.
In this example, the folder with all the code '310project' is on my desktop so I would cd into it from there:

```
C:\Windows\system32\cmd.exe

(csc310project) C:\Users\darkf>cd Desktop

(csc310project) C:\Users\darkf\Desktop>cd 310project

(csc310project) C:\Users\darkf\Desktop\310project>
```

7. It is important to **be in the folder with the source code and the media**. Once there you will need to run the correct files. In this case you need to run the file: **'_main.py'**.
(underscore included)
The command to do so is:

streamlit run _main.py:

```
C:\Windows\system32\cmd.exe - streamlit run main.py

(csc310project) C:\Users\darkf>cd Desktop
(csc310project) C:\Users\darkf\Desktop>cd 310project
(csc310project) C:\Users\darkf\Desktop\310project>run streamlit main.py
'run' is not recognized as an internal or external command,
operable program or batch file.
(csc310project) C:\Users\darkf\Desktop\310project>streamlit run main.py

A new version of Streamlit is available.

See what's new at https://discuss.streamlit.io/c/announcements

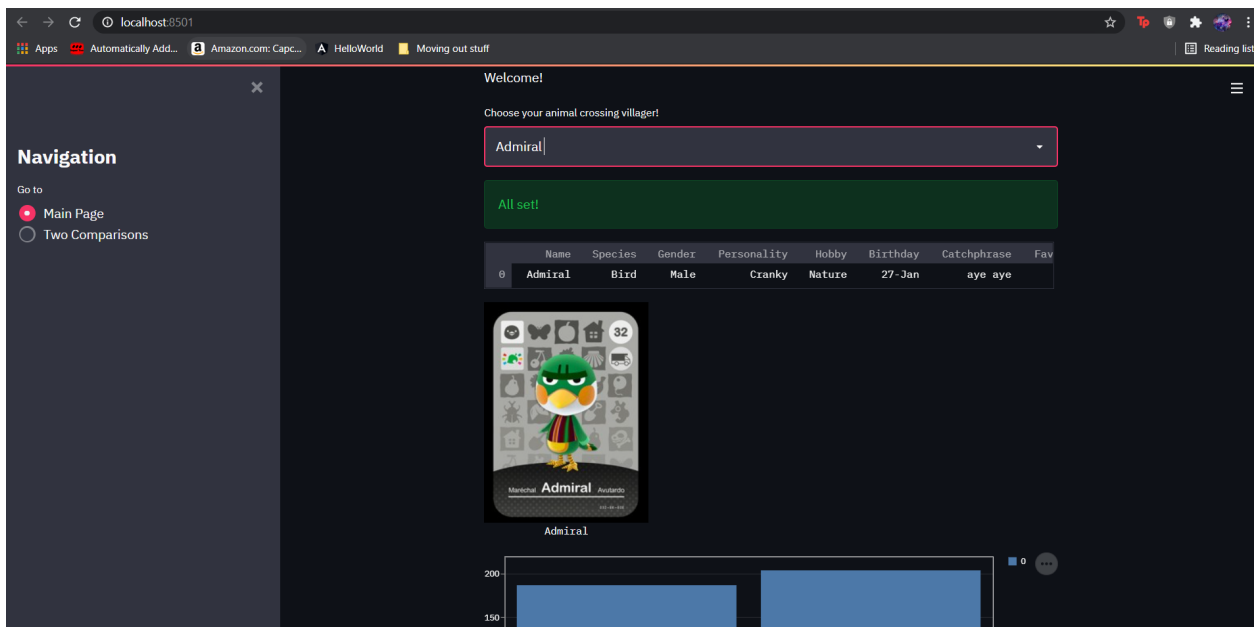
Enter the following command to upgrade:
$ pip install streamlit --upgrade

You can now view your Streamlit app in your browser.

Local URL: http://localhost:8501
Network URL: http://192.168.1.202:8501
```

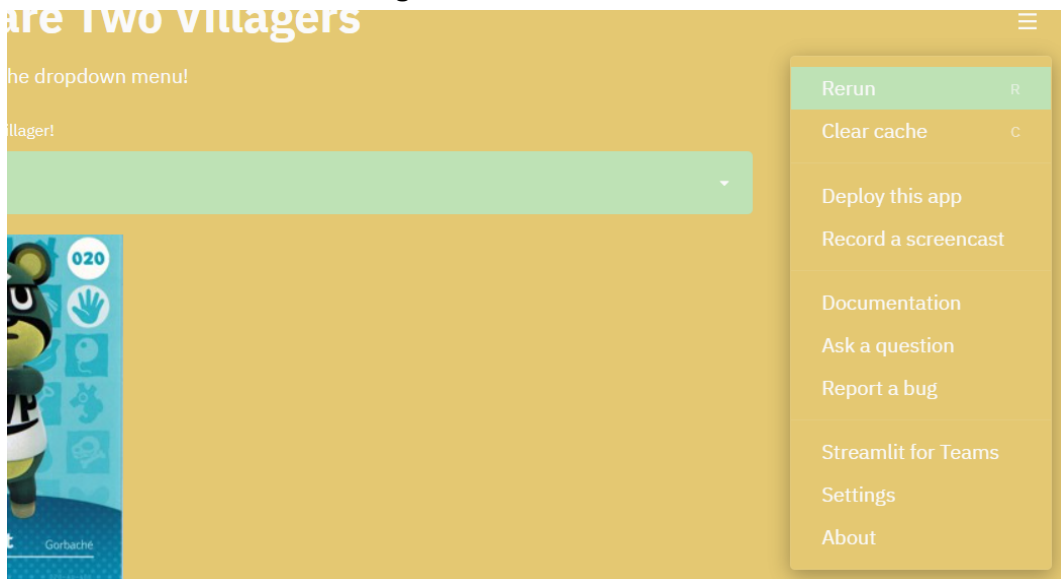
NOTE: If a window pops up asking for permission to run the application click 'Yes'

8. If it works properly it will automatically open a new tab bringing you to the **local host**. If that does not happen you can copy the url seen above for the **local host**. It should bring you to our application page that should look similar to this (this is not the final product shown):

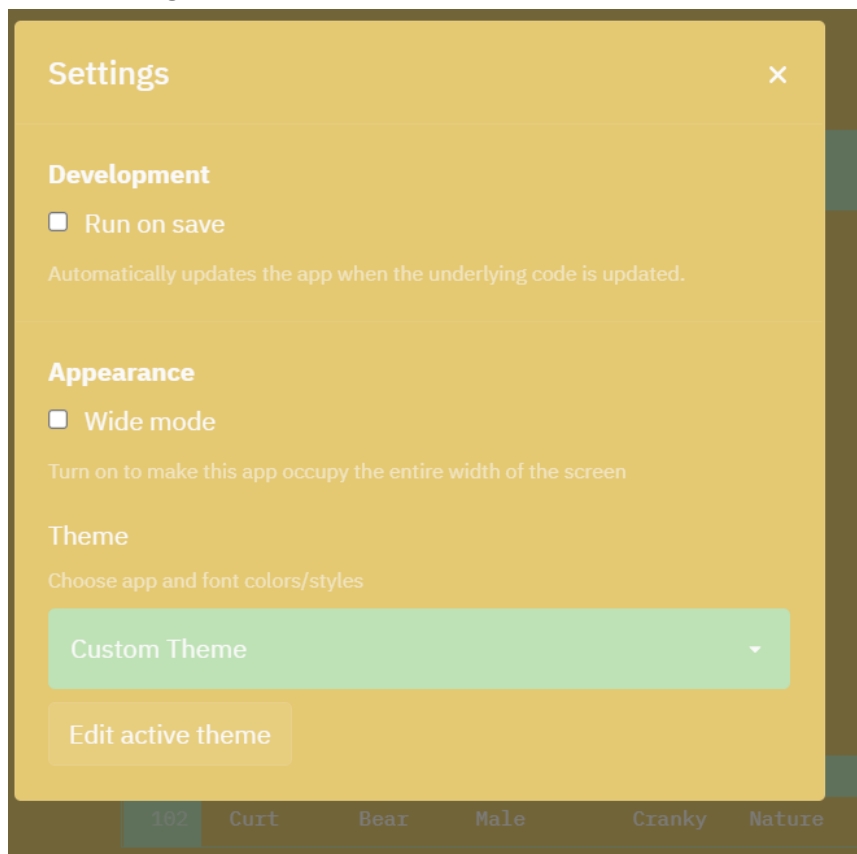


9. From here you can navigate the application!
10. **NOTE:** For optimal viewing we advise you to change the background colors. This could not be coded into the program but rather has to be done manually through

the settings. In the below screenshot in the right hand corner click on the three bars. From there click settings:



From settings click 'Edit Active Theme'



From there change the colors as shown below:

< Edit active theme×

Changes made to the active theme will exist for the duration of a session. To discard changes and recover the original theme, refresh the page.

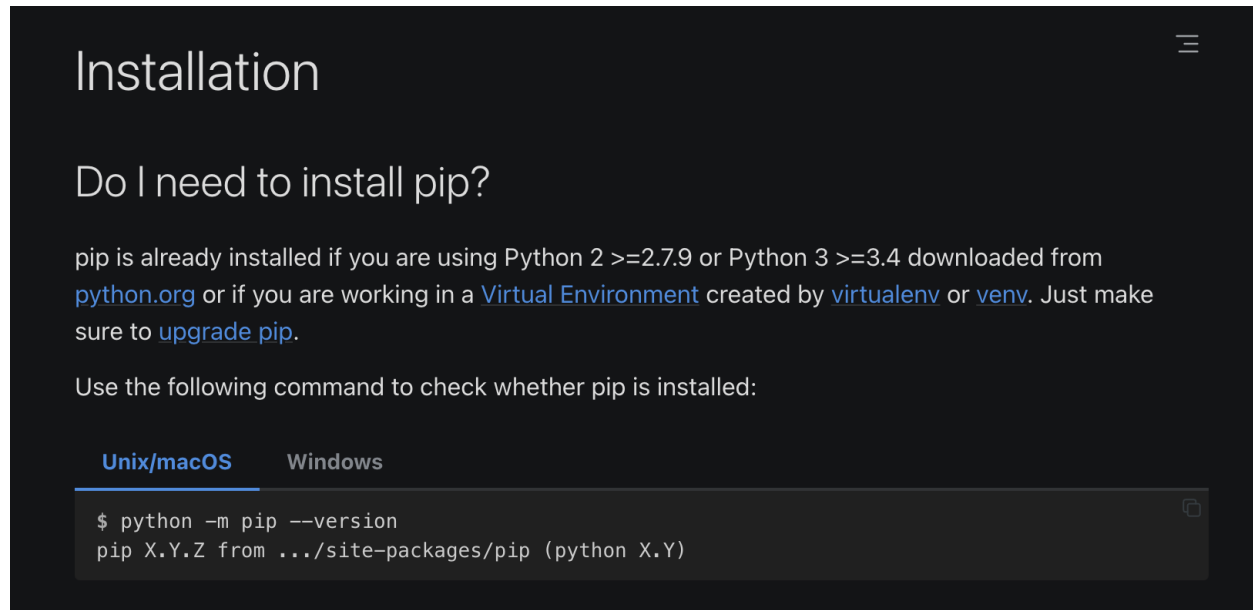
Primary color ?	Background color ?
<div><div></div><div>#000000</div></div>	<div><div></div><div>#E0B58A</div></div>
Text color ?	Secondary background color ?
<div><div></div><div>#FAFAFA</div></div>	<div><div></div><div>#9AC18E</div></div>
Font family ?	
<div>Monospace</div>	

To save your changes, copy your custom theme into the clipboard and paste it into the `[theme]` section of your `.streamlit/config.toml` file.

Copy theme to clipboard

For Mac:

1. Streamlit only works with Python Versions 3.6 - 3.8. There is no current support for 3.9.
2. Install PIP by running the command in the screenshot below in your terminal, more information on installing pip can be found through this link (<https://pip.pypa.io/en/stable/installing/>)



3. In the same terminal run the following command in the screenshot below, more information on installing pip can be found through this link (<https://docs.streamlit.io/en/stable/>)

```
pip install streamlit
streamlit hello
```

4. Once pip and streamlit are installed on your local machine, download the source code for this project in store them in a folder on your local machine
5. When everything has installed with no errors continue following the steps from the Windows instructions starting at step 6 and forward
6. Thank you, and good luck!