For Mac

1. Install Python: https://www.python.org/downloads/macos/
2. Install Anaconda: https://www.anaconda.com/download
3. Make sure versions are correct in path:
    a. python –V and python3 –V should have the same version
    b. conda -V ensures anaconda exists
4. Make sure you have git and pip
5. Clone the repository and navigate to the EasyMocapWeb/myproject/EasyMocap directory:
    a. git clone https://github.com/zju3dv/EasyMocap.git
6. Create and enter the conda environment:
    a. conda create -n easymocap python=3.9 -y
    b. conda activate easymocap
7. Install pytorch:
    a. python3 -m pip install torch torchvision
    b. Make sure this works by:

```
(easymocap) jeffreyhoang@b01-aruba-authenticated-10-110-251-251 easymocap % python
Python 3.9.19 (main, May  6 2024, 14:39:30)
[Clang 14.0.6 ] :: Anaconda, Inc. on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>> import torch
>>> import torchvision
>>> print(torch.__version__)
2.3.1
>>> print(torchvision.__version__)
0.18.1
```

8. Install pyrender:
    a. python3 -m pip install pyrender
9. Install easymocap dependencies:
    a. python3 -m pip install -r requirements.txt
    b. python3 setup.py develop
    c. Note: if chumpy does not install correctly, it may be due to a problem with the python version (python and python3 version must match)
10. Install Yolov4+HRNet inside the easymocap directory
    a. Yolov4: (https://github.com/pjreddie/darknet/tree/master)
        i. Install Yolov4: https://github.com/AlexeyAB/darknet
            1. git clone https://github.com/AlexeyAB/darknet
            2. cd darknet
            3. mkdir build_release
            4. cd build_release
            5. cmake .. –DENABLE_CUDA=0FF
            6. cmake –build . –target install –parallel 8
        ii. Install HRNet:

1. git clone https://github.com/HRNet/HigherHRNet-Human-Pose-Estimation.git
2. git submodule update --init –-recursive
3. pip install -r requirements.txt
4. mkdir -p models/pytorch/pose_coco/

iii. Use this image to download the weights (assuming you are inside the easymocap directory) (
1. Place the yolov4 weight inside of darknet/data/models
2. Place the hrnet weight inside of HigherHRNet-Human-Pose-Estimation/models/pytorch/pose_coco

11. Install MediaPipe
    a. Already installed from the requirements.txt file (open cv is installed from this as well)
12. Navigate back to EasyMocapWeb/myproject/myproject directory and install Django
13. Run the user interface using the command ‘python manage.py runserver’