

From Zip File (Includes ML models that are too big for GitHub, no need to train them)

1. Download zip file here
<https://drive.google.com/open?id=1wxtSwc-M-CgpoKAEOPHdmuzbb1cfJ5bW>
2. Install dependencies listed in backend files and requirements.txt
3. CD into backend > tf2.0api and run python3 main.py (api code) | backend > tf2.0api > main.py
4. Run the Xcode **xcworkspace** | frontend > CropBot > CropBot.xcworkspace

From Github (Doesn't include trained ML models)

1. Download main github repo
 - a. <https://github.com/sagek21/CropBot>
2. Download API repo
 - a. <https://github.com/sagek21/CropBotApi>
3. Download data from:
 - a. <https://drive.google.com/file/d/1fV0wbvrXtFyJxttBWWUrEvillFCYD370/view?usp=sharing>
 - b. <https://www.kaggle.com/vipooooool/new-plant-diseases-dataset>
 - c. <https://www.kaggle.com/fpeccia/weed-detection-in-soybean-crops>
4. Install libraries listed in files in step 5
5. Configure data to match paths of
 - a. [CropDiseaseAndWeedDetection.py](#)
 - b. [BestCrop.py](#)
6. Run python scripts listed above to generate models
7. Plug model paths into
 - a. [Main.py](#) in the API github (<https://github.com/sagek21/CropBotApi>)
8. Install libraries listed in main.py
9. Run python3 main.py
10. Run the xcode project by opening up Xcode and pressing the play button to build the app
11. Congratulations and welcome to CropBot!!