

1. Install virtual machine (VirtualBox)
2. Download Ubuntu ISO and install on VM
3. Install git: `sudo apt install git`
4. Connect Team International Repository with my repository:
 - CLONE Team International Repo and put into a new folder called TestAutomation
 - `git clone https://github.com/landaumd/mwater-common.git TestAutomation`
 - enter username and password
5. These are the project files - /TestAutomation... (this is the project's root folder)

```

/TestAutomation
  /project
    /src
    /bin
    / ...
  /scripts
    runAllTests.(some scripting extension)
    ... other helper scripts
  /testCases
    testCase1.txt
    testCase2.txt
    ...
  /testCasesExecutables
    testCase1(may be folder or file)
    ...
  /temp (for output from running tests ... be sure to clean at start of runAllTests)
    testCase1results (might be folder or file)
    ...
  /oracles
    testCase1Oracle (might be folder or file)
    ...
  /docs
    README.txt
  /reports
    testReport.(txt or html)

```

But before we create those, we need to get the stuff for inside them

6. FORK (not CLONE) the repository of mWater so that you have access to it
7. Also FORK the mwater-common repository - otherwise it is missing (dependencies)
8. "Clone this repo":
 - For 1. Clone this repo - you need to say:
 - `git clone [paste FORKED mwater-common repo in here] project` - to create the project folder
 - `git clone [FORKED app-v3 repo]`

```

On Phonegap version, it has access to native computer vision technology implemented as a plugin
(https://github.com/mWater/OpenCVActivityPlugin)

Browser support: IE10+ and all other modern browsers.

Getting started

1. Clone this repository
2. Ensure you have Node.js version >= 0.10 installed
3. Ensure you have grunt-cli, browserify, bower and cordova installed globally.
4. Run npm install in root folder
5. Run bower install in root folder
6. Run gulp (version 4+)
7. Run node server
8. Visit http://localhost:8080/

Source code is under app/js. Each page resides in app/js/pages folder. Handlebars is used for templating.

Paging is done with a custom library app/js/Pager.coffee based on Backbone.

```

9. "Ensure you have Node.js version..." (DIGITALOCEAN.COM = good website for help)
 - sudo apt-get update
 - sudo apt-get install nodejs
 - sudo apt-get install npm
 - Will need to install the NVM, then all above
 - nvm ls (then install latest version)
 - close terminal to finish
10. Now do "npm install" everything else in line 3 (make sure you are in the global directory)
 - npm install browserify
 - npm install grunt-cli
 - npm install cordova
 - might have to do npm install g- bower to get it to work?
11. Navigate to TestAutomation/project folder
12. Do npm install
13. Navigate into the /app-v3 folder and do bower install
14. Navigate out to TestAutomation/project directory
15. For GULP
 - from TestAutomation/project folder run (i think you have to do this every time?)
npm install -g gulp
 - gulp -v ==> shows that we need to update gulp (it is version 3.9.1 and needs to be 4+)
 - To get v4 I did:
sudo npm uninstall gulp --save-dev
sudo npm install [git+https://git@github.com/gulpjs/gulp.git#4.0](https://git@github.com/gulpjs/gulp.git#4.0) --save-dev
16. Run gulp (when I ran this with version 4.0 it didn't work very well, so I re installed the old version - this version you can see used the gulp file and ran properly)
17. Navigate to the /appv3 directory
 - you can see in here that there is a server.js file
18. Run node server
19. Visit <http://localhost:8080/>

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Not working! I'm not sure what is supposed to pop up at localhost:808 but nothing works!