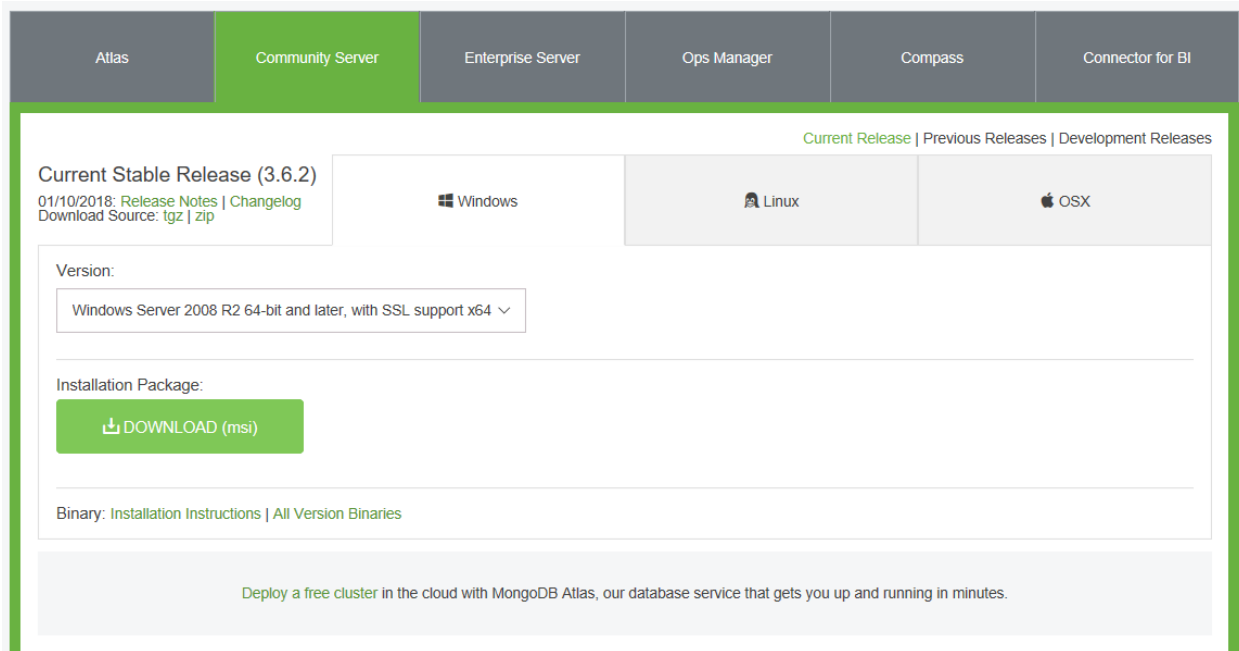
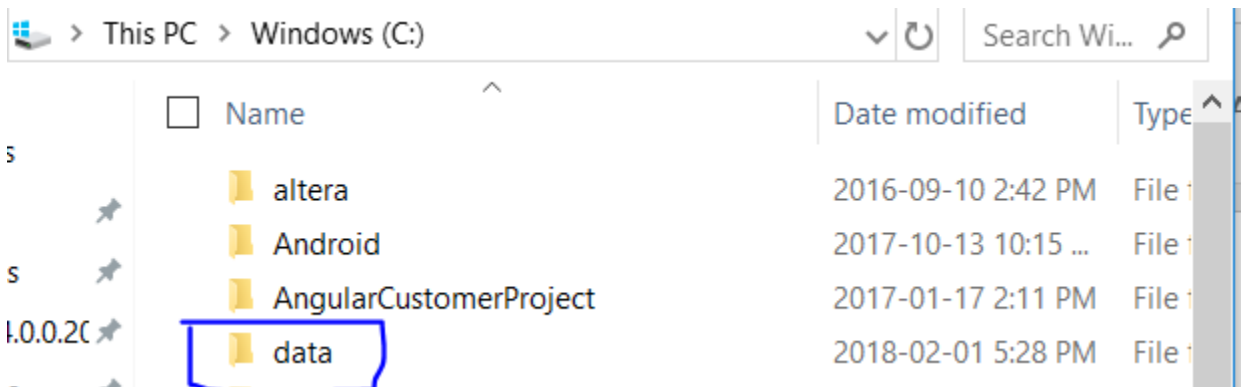


MongoDB

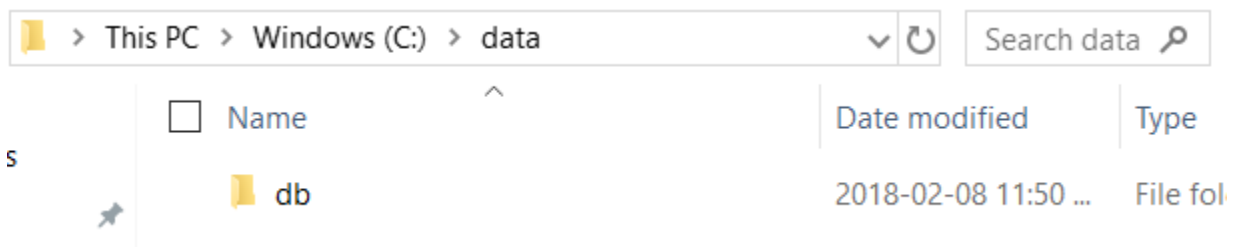
1. Download and install MongoDB at <http://www.mongodb.org/downloads>. Select the 'Complete' installation, NOT 'Custom'



2. Create a database folder in C:\ named 'data'



3. Create another folder within data named 'db'



4. Locate the directory 'bin' within where MongoDB was installed (C:\Program Files\MongoDB\Server\3.6\bin for me), and open two terminals in the 'bin' folder. Execute 'mongod' in the first terminal, then 'mongo' in the second. You should never need to interact with these terminals again, simply keep them minimized on your computer UNTIL THE END OF TIME

```

C:\Users\Joshua Evans>cd C:\Program Files\MongoDB\Server\3.6\bin
C:\Program Files\MongoDB\Server\3.6\bin>mongod

Microsoft Windows [Version 10.0.16299.192]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Joshua Evans>cd C:\Program Files\MongoDB\Server\3.6\bin
C:\Program Files\MongoDB\Server\3.6\bin>mongo
  
```




NodeJS

1. Download and install NodeJS at <https://nodejs.org/en/download/>. Simply click through, accepting all default choices.

Downloads

Latest LTS Version: 8.9.4 (includes npm 5.6.0)

Download the Node.js source code or a pre-built installer for your platform, and start developing today.

LTS Recommended For Most Users		Current Latest Features	
			
Windows Installer	macOS Installer	Source Code	
node-v8.9.4-x64.msi	node-v8.9.4.pkg	node-v8.9.4.tar.gz	

Windows Installer (.msi)

Windows Binary (.zip)

macOS Installer (.pkg)

macOS Binaries (.tar.gz)

Linux Binaries (x86/x64)

Linux Binaries (ARM)

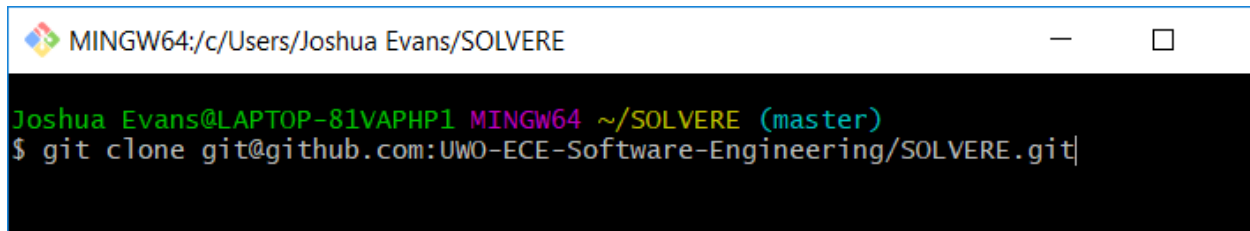
Source Code

32-bit	64-bit
32-bit	64-bit
64-bit	
64-bit	
32-bit	64-bit
ARMv6	ARMv7
ARMv8	
node-v8.9.4.tar.gz	

GitHub

1. Whatever work you have within your SOLVERE folder right now, save it somewhere else on your computer. Then, delete the SOLVERE folder.

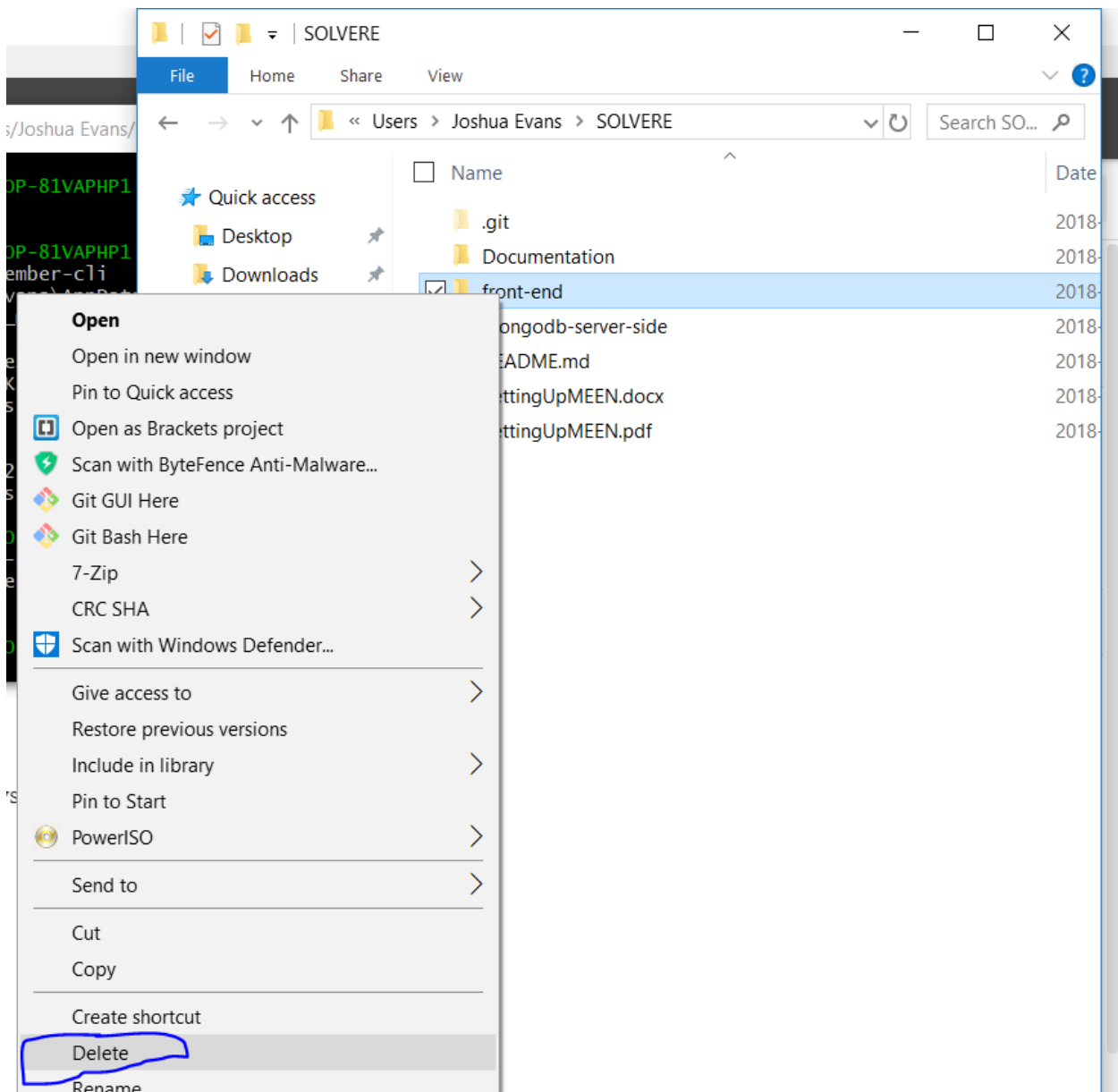
2. Navigate to where you'd like on your computer (I chose C:\Users\Joshua Evans), and GitBash there. Then, execute 'git clone [git@github.com:UWO-ECE-Software-Engineering/SOLVERE.git](https://github.com/UWO-ECE-Software-Engineering/SOLVERE.git)'



```
MINGW64:/c/Users/Joshua Evans/SOLVERE

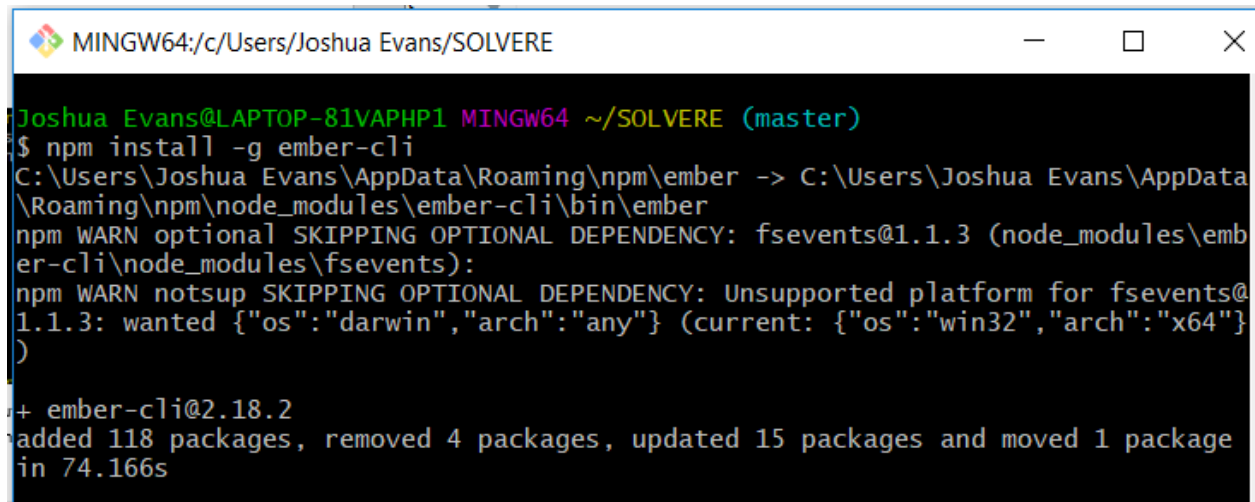
Joshua Evans@LAPTOP-81VAPHP1 MINGW64 ~/SOLVERE (master)
$ git clone git@github.com:UWO-ECE-Software-Engineering/SOLVERE.git
```

3. Go into the new folder 'SOLVERE', and delete the folder 'front-end'



Ember

1. Navigate inside the SOLVERE directory using GitBash, and execute 'npm install -g ember-cli'

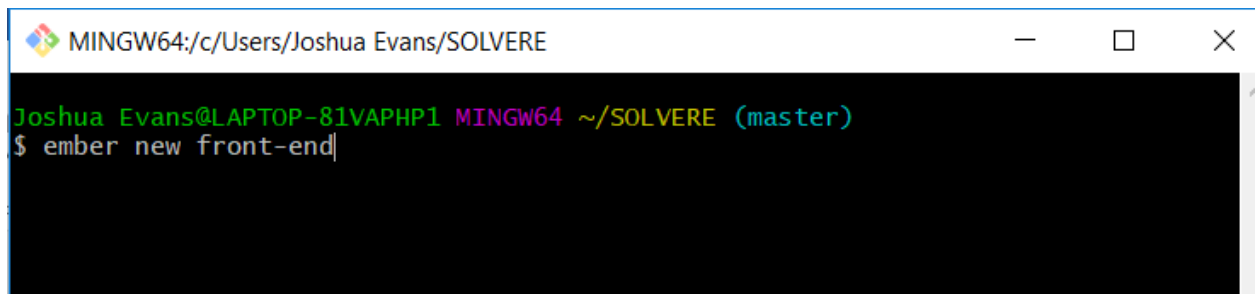


```
MINGW64:/c/Users/Joshua Evans/SOLVERE

Joshua Evans@LAPTOP-81VAPHP1 MINGW64 ~/SOLVERE (master)
$ npm install -g ember-cli
C:\Users\Joshua Evans\AppData\Roaming\npm\ember -> C:\Users\Joshua Evans\AppData\Roaming\npm\node_modules\ember-cli\bin\ember
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.1.3 (node_modules\ember-cli\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.1.3: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ ember-cli@2.18.2
added 118 packages, removed 4 packages, updated 15 packages and moved 1 package in 74.166s
```

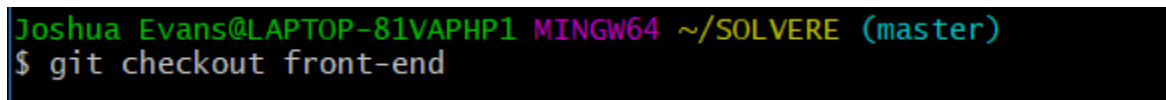
2. Within SOLVERE, execute 'ember new front-end'. Note: This may take **insert large number** minutes



```
MINGW64:/c/Users/Joshua Evans/SOLVERE

Joshua Evans@LAPTOP-81VAPHP1 MINGW64 ~/SOLVERE (master)
$ ember new front-end
```

3. Within SOLVERE, execute 'git checkout front-end'



```
Joshua Evans@LAPTOP-81VAPHP1 MINGW64 ~/SOLVERE (master)
$ git checkout front-end
```

4. Within front-end, execute 'npm install', then 'bower install'

```
MINGW64:/c:/Users/Joshua Evans/SOLVERE/front-end
Joshua Evans@LAPTOP-81VAPHP1 MINGW64 ~/SOLVERE/front-end (master)
$ npm install
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.1.3 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.1.3: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
added 116 packages in 22.527s
Joshua Evans@LAPTOP-81VAPHP1 MINGW64 ~/SOLVERE/front-end (master)
$ bower install
```

Starting the System

1. You should always have MongoDB running on your computer (see top of document for reference)
2. To start the backend, navigate to SOLVERE/mongodb-server-side in some command-line-interface, and execute 'nodemon'
3. To start the frontend, navigate to SOLVERE/front-end in some command-line-interface, and execute 'ember s'