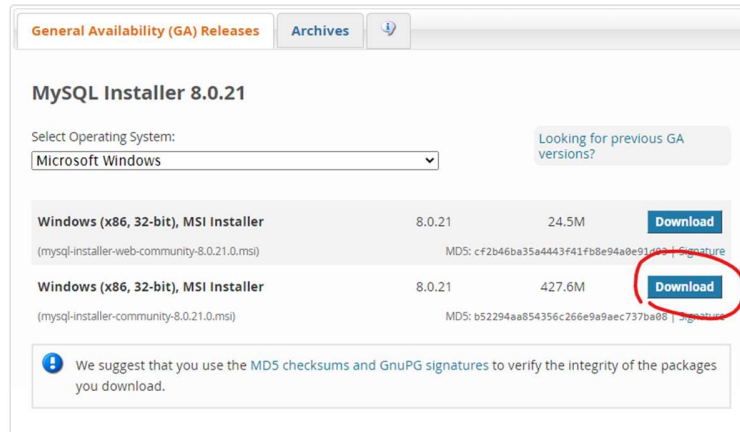
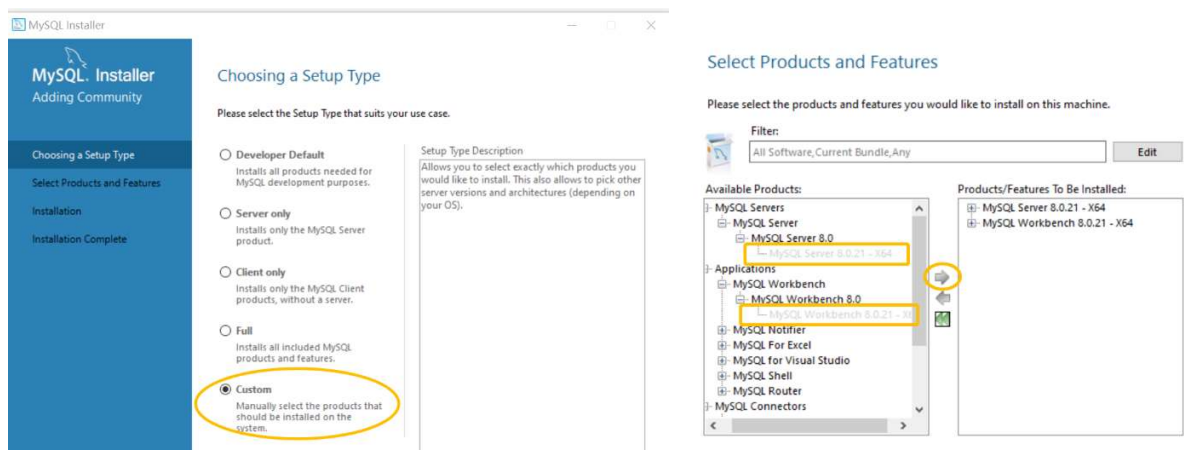


Database set up

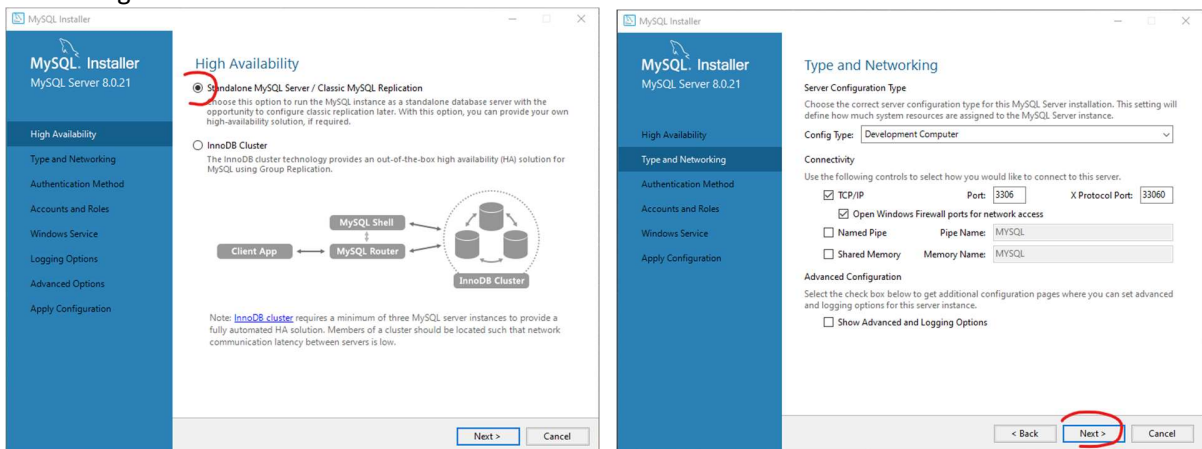
1. Installation Go to <https://dev.mysql.com/downloads/windows/installer/8.0.html>

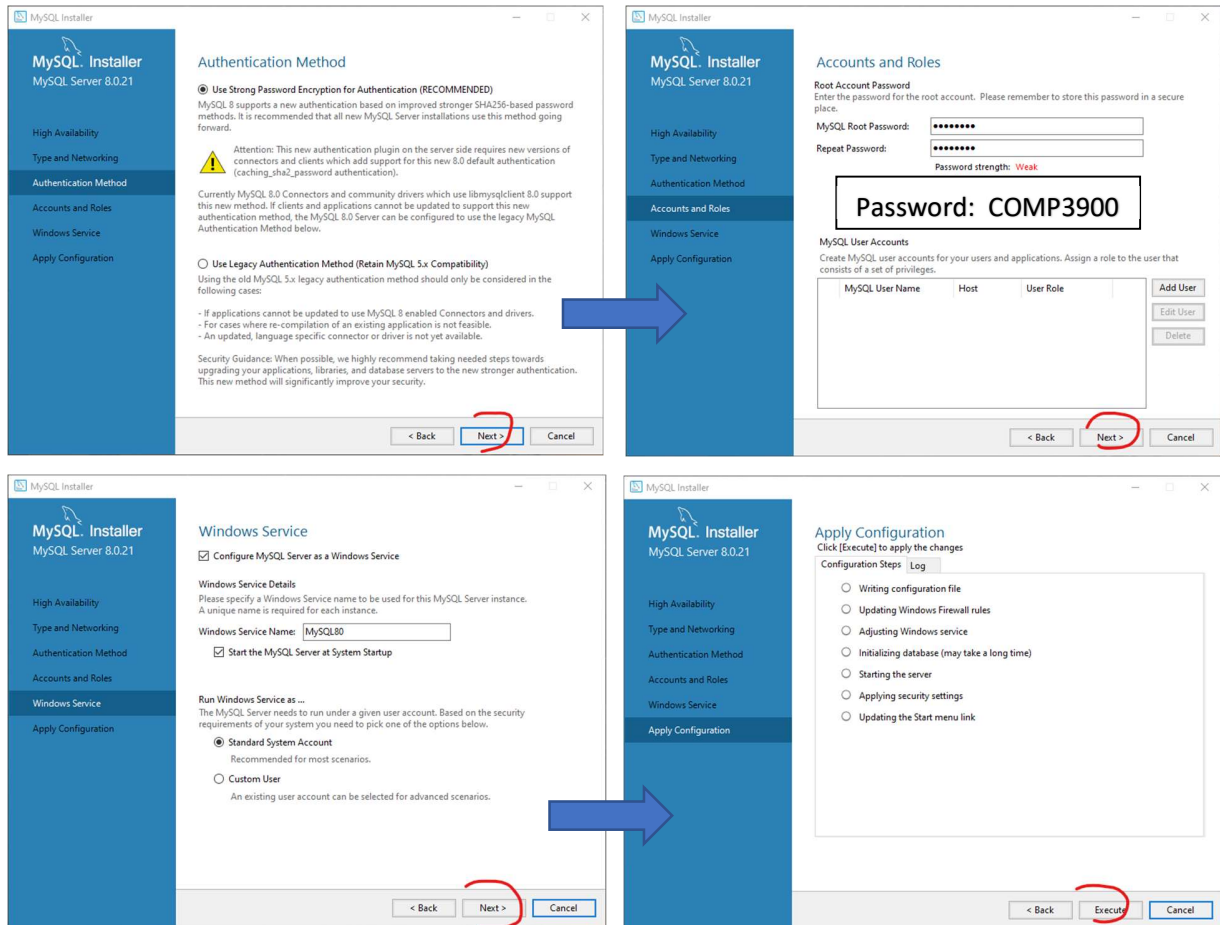


2. Choose custom setup type and install MySQL server 8.0.21 -X64 and workbench 8.0.21 -X64 package and then execute.

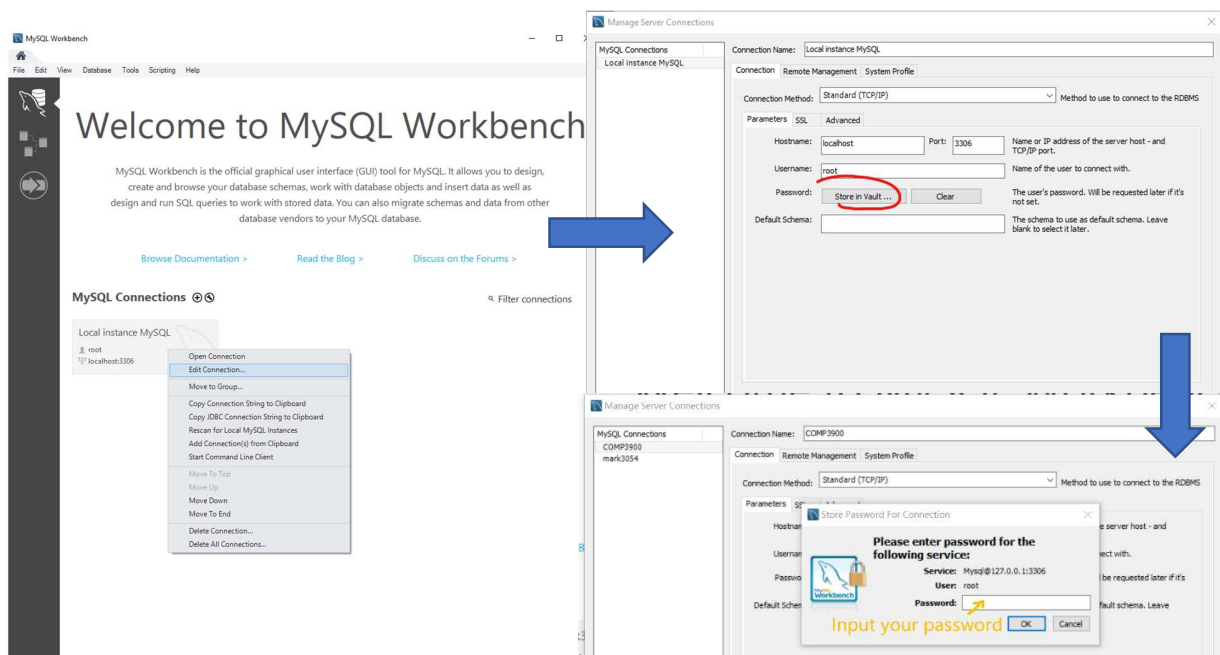


3. Config

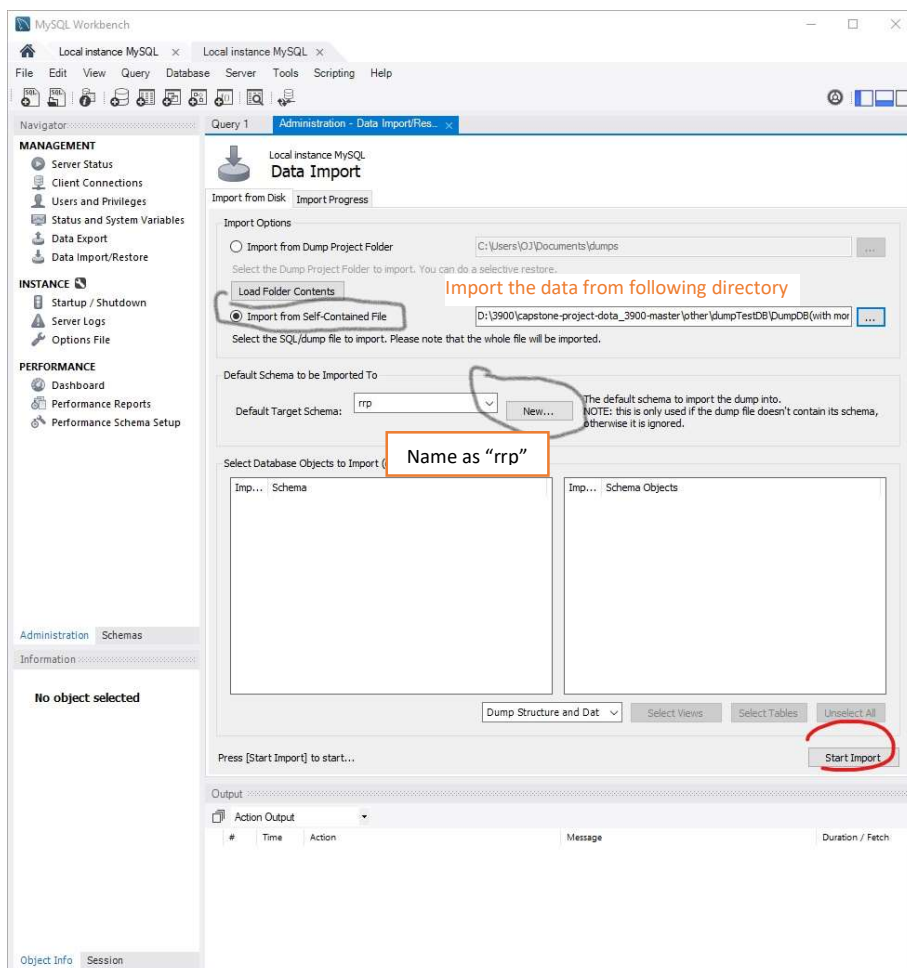
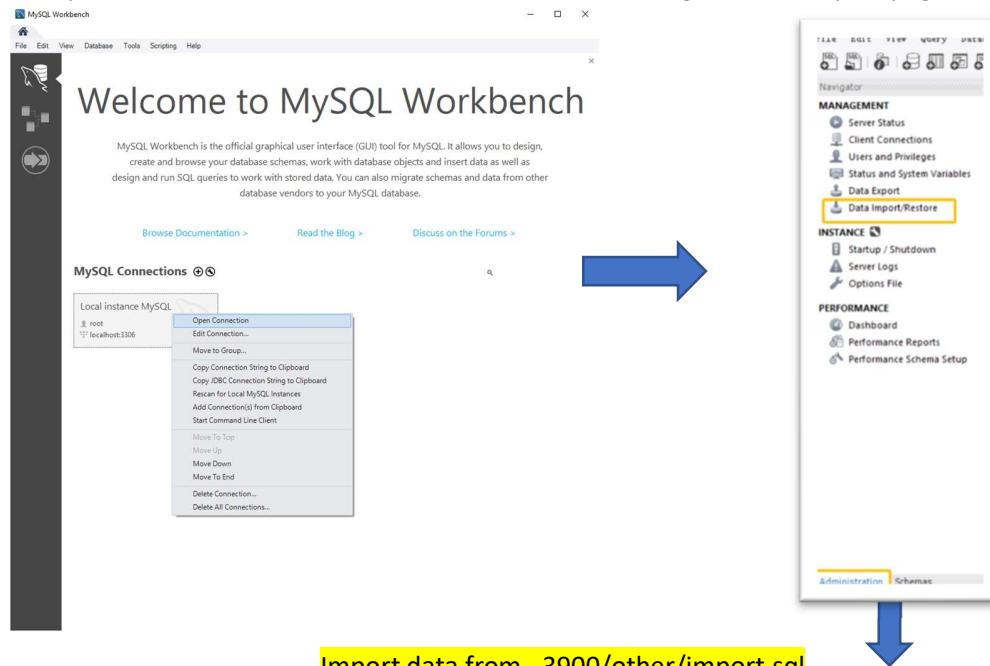


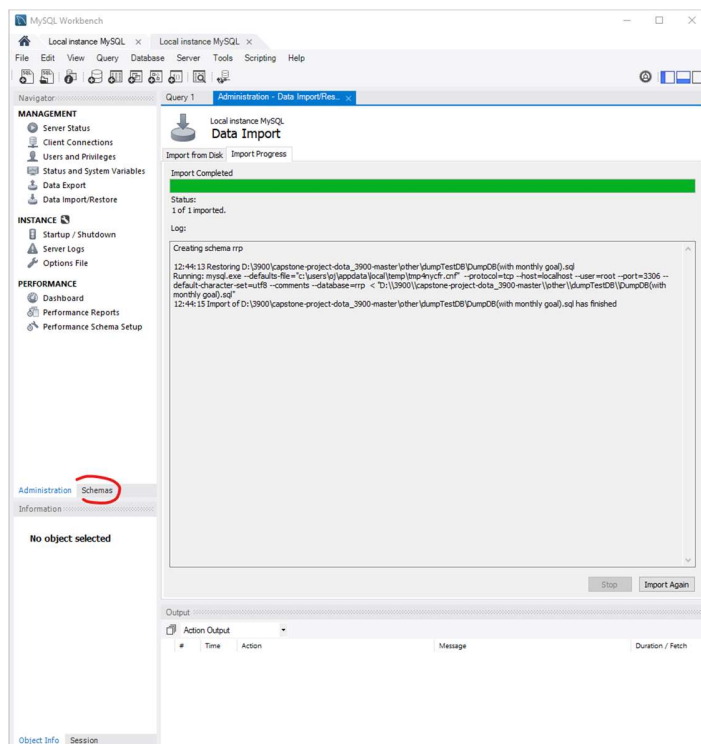


4. Open MySQL workbench



5. Open local instance, click administration section, then go to data import page



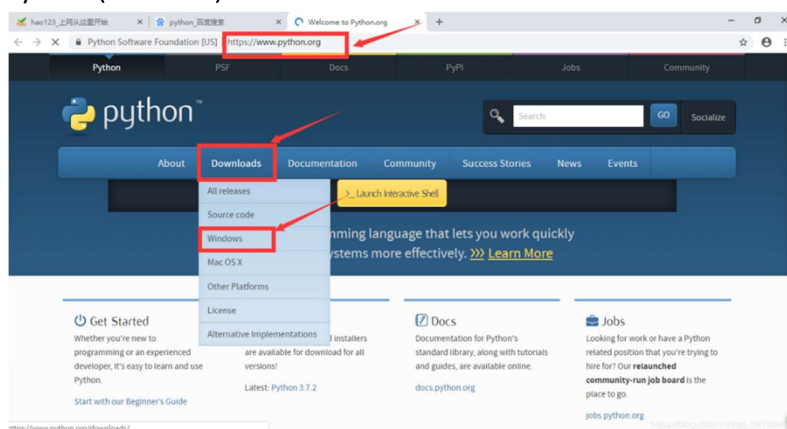


Make sure setup is consistent with capstone-project-dota_3900-master\backend\config.py

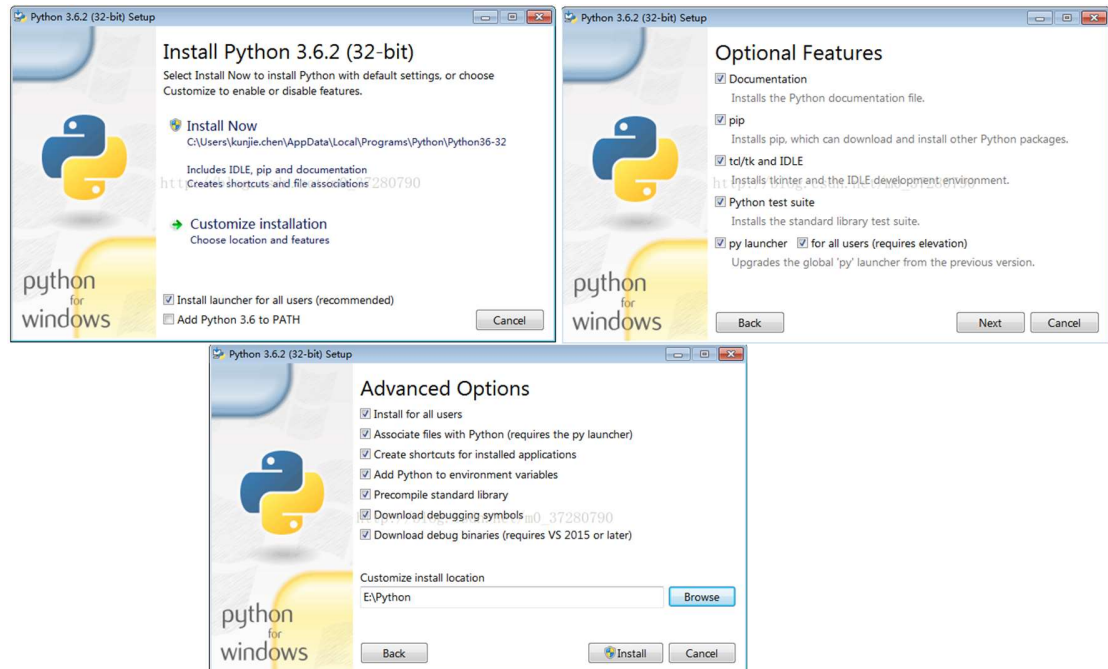
You may need to change SYS_DB_USER to "root", Database is ready.

Backend

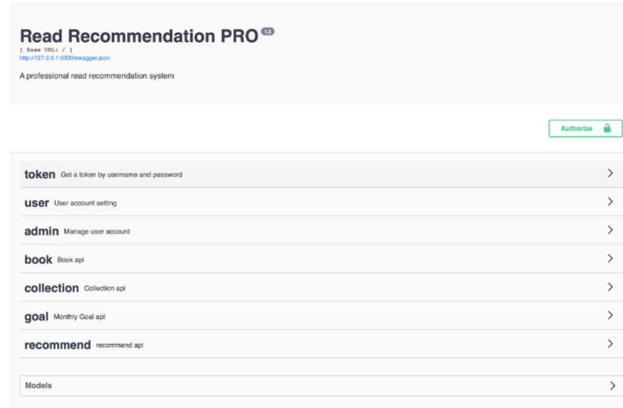
1. Download python 3.6+ version via <https://www.python.org/downloads/>, configured by your computer system (Windows)



Choose “Customize install” because we will use pip tools later, then Click all options (Which will install some python packages automatically). Press Install button to finish python install, customize the install location

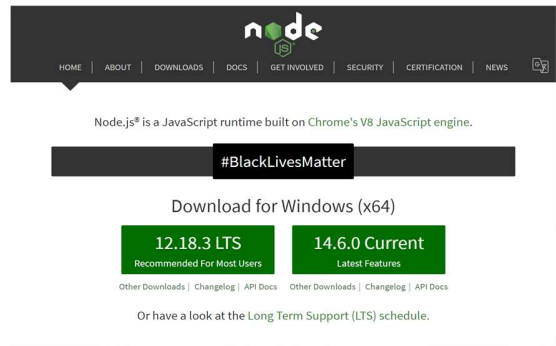


2. Activate virtual environment → Install virtualenv (CMD command)
 - a. Move to directory -> **capstone-project-dota_3900/backend**
 - Install virtualenv package by “**pip3 install virtualenv**”.
 - Then create a virtual environment by running “**virtualenv -p py3 venv**”.
 - b. Move to directory -> **capstone-project-dota_3900/backend/venv/Scripts**, run “activate” to activate the virtualenv we have just created.
3. Run backend API server (CMD command)
 - a. Move to directory -> **capstone-project-dota_3900/backend**.
 - b. Install all python packages needed for backend server by running “**pip3 install -r requirement.txt**”.
 - (**make sure you already activated the virtualenv before this step**)
 - c. Start the backend server by running “**python app.py**”, then by inputting the address “127.0.0.1:5000” in browser to view user interface of backend server.

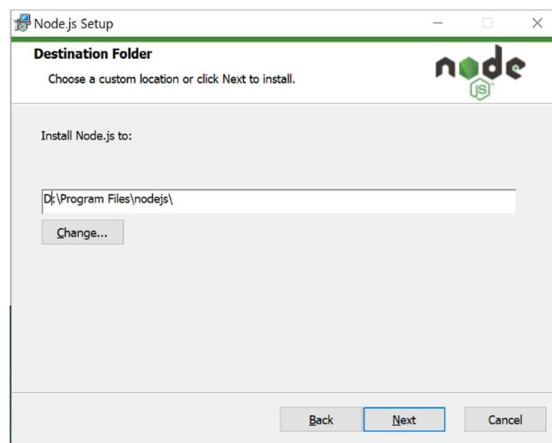


Frontend - Vue.js

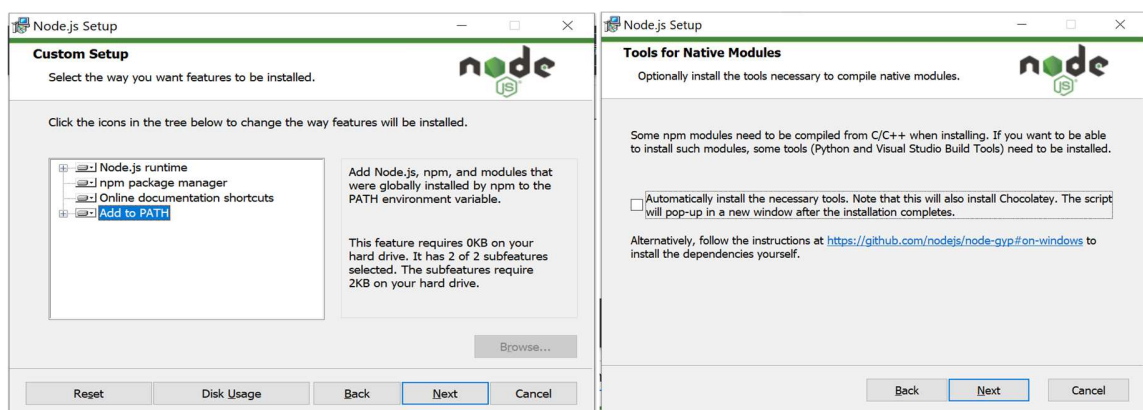
1. Download and Install node.js xx.xx.x LTS version via <https://nodejs.org/en/>



Set path for node.js. In example below, we will install node.js into “D:\Program Files” directory (You can install node.js in any directory.)



Choose Add to PATH option. It will add node.js to Windows PATH automatically. Since these features are unnecessary for vue.js installation, we don't need to tick this checkbox. Then click install to begin the installation.



2. Environment setting -> After finishing the installation, open Windows PowerShell as an admin (This app should already be pre-installed for Windows 10)

Firstly, Input and execute 'npm -v' to make sure node.js has been installed successfully. It should return node.js version number.

```
Select Windows PowerShell
PS C:\Users\admin> npm -v
6.14.6
PS C:\Users\admin>
```

Secondly, install Vue-cli --- A tool for Vue.js development. Input and execute 'npm install @vue/cli'

```
Windows PowerShell
PS C:\Users\admin> npm -v
6.14.6
PS C:\Users\admin> npm install @vue/cli
npm WARN ENOENT: no such file or directory, open 'C:\Users\admin\package.json'
npm WARN admin No description
npm WARN admin No repository field.
npm WARN admin No README data
npm WARN admin No license field.
npm WARN SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules\fsevents):
npm WARN   UNMET OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted
{"os": "darwin", "arch": "any"} (current: {"os": "win32", "arch": "x64"})
+ @vue/cli@4.4.6
Updated 1 package and audited 2777 packages in 14.687s
38 packages are looking for funding
  run npm fund for details
found 4 vulnerabilities (2 low, 2 critical)
  run npm audit fix to fix them, or npm audit for details
PS C:\Users\admin>
```

Then cd to directory -> capstone-project-dota_3900-master\frontend\rrp\, run npm install

3. Activate a vue.js frontend server, executing this command "npm run serve". Then, activate frontend with open URL <http://localhost:xxxx/>, the URL can be reset at /frontend/rrp/src/serviceAPI.config.js

