**React.js Workshop Setup Instructions**

**Following are the steps for installation of React.js related software on Windows systems.**

Please read the complete instructions and **follow exactly as per the instruction and install exactly in the mentioned folders.**

**Note:    <Drive>:  mentioned below is C: or D: or E: or F: etc. wherever space is available for installation.**

1. Install Node.js [ **node-v4.4.7-x86.msi**  - Windows 32 bit installer ]. **Admin privileges is required.**
   1. <https://nodejs.org/dist/v4.4.7/node-v4.4.7-x86.msi>
2. Install Notepad++ 6.9.2 [ **npp.6.9.2.Installer.exe** ]. **Admin privileges is required.**
   1. <https://notepad-plus-plus.org/repository/6.x/6.9.2/npp.6.9.2.Installer.exe>

**Note:** If you do not have Admin privileges for your system, you can use Notepad.

1. Install the latest version of **Google Chrome**.
2. Open Google Chrome.
   1. Type “**chrome://extensions**” in the URL box.
   2. Scroll down and click on “**Get More Extensions**”.
   3. Type “**React Developer Tools**” in “Search the store” box.
   4. Click “**Add to Chrome**” on the “React Developer Tools” extension.
3. You can create a folder **reactjs\_workshop** under **<Drive>:\**
4. If not present, create  the folder “npm” under C:\Users\<username>\AppData\Roaming.    If the folder “AppData” is not shown, Go to File Explorer | Organize | Folder and search options | View tab. **Click** on the radio button **“Show hidden files, folders, and drives”**.
5. Goto “**Node.js command prompt**”. (**Use  the shortcut** present under the “Node.js” traversed through “Start | All Programs”.
   1. Change directory to **<Drive>:\reactjs\_workshop**
6. **IMPORTANT NOTE:** This step is required only if you are installing behind Wipro proxy. **Otherwise, do not issue the below commands.**

If behind Wipro proxy, Configuring proxy for node.js is important using npm config. Only if **proxy** is configured, “npm  install” will work properly.

* **npm config set proxy**[**http://ADUserID:ADpassword@proxyname:port**](http://ADUserID:ADpassword@proxyname:port)
* **npm config set https-proxy**[**http://ADUserID:ADpassword@proxyname:port**](http://LDAP-ADUserID:LDAP-ADpassword@proxyname:port)

If the ADpassword contains special characters like @#$% etc., refer the link <http://www.w3schools.com/tags/ref_urlencode.asp> to mention the character in encoded form. For example, if **@** is present in password, it should be mentioned as **%40**

* **IMPORTANT (OPTIONAL STEP – NOT A REGULAR ONE) :** In case, you have already set the proxy config wrongly and want to run the remaining commands from Direct Connection To Internet, then to delete the proxy configuration, execute the following commands.
  + **npm config delete proxy**
  + **npm config delete https-proxy**

1. Run the following commands

[**Note:** Do not copy paste the command from this Word document. Type the command manually].

npm init -y

npm install --save-dev babel-core@6.2.0

npm install --save-dev babel-loader@6.2.0

npm install --save-dev babel-preset-es2015@6.1.18

npm install --save-dev babel-preset-react@6.1.18

npm install --save flux@2.1.1

npm install --save lodash@3.10.1

npm install --save object-assign@4.0.1

npm install --save react@0.14.3

npm install --save react-dom@0.14.3

npm install --save react-router@0.13.5

npm install --save-dev webpack@1.12.3

npm install -g webpack@1.12.3

npm install -g http-server@0.8.5

1. Be in **Node.js command prompt** and ensure you are in the directory **<Drive>:\reactjs\_workshop** and thenCreate a directory “**code**” under **<Drive>:\reactjs\_workshop**
2. During the training session on **React.js**, while trying out each concept, you can create a separate sub-folder under **“code”** to try out each concept.