

Polymer Demo Working Manual

1. Open Command Prompt – To open Command prompt just type **cmd** in window search
2. Create a Folder where you want to Create a new Demo of Polymer
3. Using '**cd**' command 'Change Directory' in command prompt change your directory to that folder. Example **cd C:\Users\Student\Documents\DemoPolymer**
4. Now use the command **git clone "URL of the code from git hub"** to copy the code in to that folder or download the zip file and extract that file into the folder.
5. It will create a new application and will ask you Name of It and some other details like description and main element name just follow the instructions.
6. Install all the dependencies like Node, Polymer Cli. Mongo Db, Express.js., Redux
7. Install **Node.JS** in your Computer download it from - <https://nodejs.org/en/>
8. After installation of Node Js you will be now able to use '**npm**' in your command prompt.
9. Use command **npm init** to initialize node to be used as a Back End
10. Use command **npm install --save express.js** to install package express so that it can be used in the demo application
11. Now Install **Bower** in first using the following command in Command Prompt
npm install -g bower
12. Now Install Polymer CLI that is Command Line Interface using following command in Command Prompt **npm install -g polymer-cli**
13. Now Install **Redux** in first using the following command in Command Prompt
npm install --save redux to use redux functions
14. Now Install **mongodb** in first using the following command in Command Prompt
npm install --save mongo-db to use mongodb functions.
15. All the Files will be installed it will take 2 to 5 Minutes
16. Now you have to go to the website mlab.com and create a new account there to use monodb online and when you will create a new data base there you have to create the new data bade it will give you a new url of your database you have to replace the connection credentials to use your data base there in **server.js**

```
17. MongoClient.connect('mongodb://admin:admin@ds161306.mlab.com:61306/demo-db', function (err, database) {
```

18. **admin:admin** is username and password change this with your username and password.
19. Now your new Polymer project is ready to run to run it use following command in command prompt. **polymer serve --open**
20. The open command in the end will open the index page of your folder if you will use the command without the **--open** then
21. It will give you a link in the end like **http://127.0.0.1:8081** you will need to copy and paste the link into the browser to run the application.
22. Sometimes there is problem in the connection you have to run Server.js file you can run and check all the log console to catch the error to run commande is **node server.js**
23. If the connection is still node made the code is going to still run as I have made Redux temporary storage as a back up and all the code is going to run on a Redux Storage.