**NODE PUG EXAMPLE**

In this Project, we will use a pug template and NodeJS to build a web page. We will create a Node application by using Nodejs, express, and a pug template engine.

Let’s get started!

1.

Create an empty directory named node-PUG and run:

npm init

2.

Fill out the required information to initialize your project. There should be package.json file created. (Yo may press the “Enter” key to leave the default settings as they are)

3.

Use the command below to install Express:

npm install --save express

4.

Create a file named index.js — this file will house the code for our application.

5.

- First require the express package.

- Create a variable app and assign it to express() method.

- At the end of the page, listen app for any incoming requests and console a message for server running port

Run your code with “node index.js” and you can see response data in console.

6.

Nodemon automates the process of restarting our Node project each time we save changes. Install Nodemon:

npm install nodemon

7.

Once done installing, go to the package.json file and add the following under script:

scripts{

"app" : "nodemon index.js"

}

To execute our Node application using Nodemon, you type in the command line:

npm run app

8.

Use of start as a key for our entry point of the application can simplify our lives. Let’s go back to the package.json file and change the key from app to start*.*

scripts{

"start" : "nodemon index.js"

}

To execute our Node application using Nodemon, you type in the command line:

npm start

9.

Here we could use HTML or any front end framework of your choice. Pug template works very well with Node.js. One of the major noticeable differences between HTML and pug template is that, a pug template does not require the closing of tags. It has conditions, loops, and other features HTML does not have.

Let’s install PUG in our Node application as a dependency.

npm install pug

10.

Now, create a folder called “views*”*. In the views folder, create a file called index.pug. Add this code block inside it.

Doctype html

  html

     head

        title Exploring the Pug template

     body

        h1#myHeading This is a pug template

        p.firstParagraph I love this template!!!

**NOTE**: Indentation is very crucial in Pug, it makes it easy for Pug template engine to know which part of the code is nested.

11.

The next step is to add our template, pug. In the app.js , let’s add the pug file. Using app.set(), we specify that we are using a view template engine called Pug and specify the directory our index.pug is located. Using app.get(), we render our index.pug *file.*

app.set('view engine', 'pug');

app.set('index', './views');

app.get('/', (req,res) => {

res.render(“index”)

});

12.

Let’s run app; go to your browser and open [http://localhost:3000](http://localhost:3000/). You will see that your index.pug has been successfully rendered.

Congragulations…