**A Simple TODO Application Using AngularJS and NodeJS**

1. Create a folder in C drive for example “Test”
2. Create a package.json file in the test folder

**Code Snippet**

{

"name" : "Test", //name of the application

"version" : "0.0.0", //version of the application

"description" : "Simple todo application.", // description about the app

"main" : "server.js", // the file which would be loaded at first

"author" : "Developer", // specifies the developer

"dependencies" : {

"express" : "~4.7.2", //helps in routing the application faster

"morgan" : "~1.2.2" //log requests to the console

}

}

In dependencies, one can add all the required modules as per the requirement for the project.

Run the command **npm install** by traversing to the folder. This command will install all the dependencies provided and save it in node\_modules folder.

1. Create the server.js file in the same folder.

**Code Snippet**

var express = require('express');

var app = express();

var port = process.env.PORT || 8082; // set the port

var morgan = require('morgan'); // log requests to the console (express4)

app.use(express.static(\_\_dirname + '/public')); // set the static files location app.use(morgan('dev')); // log every request to the console

app.get('\*', function(req, res) {

res.sendfile('./public/test.html'); // load the single view file (angular will handle the page changes on the front-end)

});

app.listen(port);

console.log("App listening on port " + port);

1. Create a folder named “Public” having an html file in it named ‘test.html’.

**Code Snippet**

<html ng-app>

<head>

<title>Hello World in AngularJS</title>

</head>

<body>

<input ng-model="name"> Hello {{ name }}

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.2.25/angular.min.js"></script>

</body>

</html>

1. The min file included in the script tag loads the angular components. This file can also be included by installing bower running the command **npm install bower** and then and then running the command **bower install angular.**

This will save the angular module in **bower\_components**.

1. In the command prompt run the command **node server.js**

Open the browser and hit the url [**http://localhost:8082/**](http://localhost:8082/*)