

## **ICE - TSV to JSON APP**

### **Steps to run the Application:**

#### **Backend – NodeJs**

**Step 1:** Download NodeJs from the following URL: <https://nodejs.org/en/download/>

**Step 2:** To ensure Node.js has been installed, run **node -v** in your terminal - you should get something like v12.16

**Step 3:** Update your version of npm with **npm install npm -global**

**Step 4:** Run the below command to install nodemon

**npm install -g nodemon**

**Step 5:** Move to the project directory and execute the below command to download node\_modules

**npm init**

**Step 6:** Finally, run the following command to run the application

**nodemon app.js**

#### **Frontend - Angular**

Step 1: Install Angular with the following command.

**npm install -g @angular/cli**

Step 2: Move to the project directory and execute the below command.

**ng serve**

Note: Angular runs by default on port 4200. Past the below URL in your Browser

URL: <http://localhost:4200/>

#### **How to run the application without Frontend?**

To Run the API with Frontend, please use can download 'Postman' application with the following URL: <https://www.postman.com/downloads/>

**Step 1:** Open command prompt and move to the "formatData.js" file directory.

**Step 2:** Run the below command with fully qualified file path (in this case data file is "sampledata.tsv").

**nodemon formatData.js <Fully Qualified File Path>**

Example: ( `nodemon formatData.js C:\...\fullstack-tech-test-master\fullstack-tech-test-master\sampladata.tsv` )

**Step 3:** Copy the generated data in JSON format.

**Step 4:** Open and enter below URL in Postman application (Post Request to Parse TSV Data)

API url: <http://localhost:3000/api/parser>

**Step 4:** Set API Request Type: POST

**Step 5:** Paste the generated JSON data in the textbox under Body -> raw and select JSON from the dropdown menu.

**Step 6:** Remove any extra space from the JSON data and then click on Send button to make API call.

### How to Retrieve submitted data?

**Step 1:** Copy the below URL and paste it in Postman application.

API url: <http://localhost:3000/api/parser/result?filename=data1.txt>

Note: the filename in the URL will change for specific request

(example data1.txt, data2.txt, ..., data(N).txt)

API Type: GET

Description: Get Request to retrieve TSV Data passed to API.

**Step 2:** Set API Request type: GET and click on Send button.

### Application Demo (YouTube)

<https://youtu.be/LfLo5hQXSi0>