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.

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\sampledata.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