# Text File to Excel File Converter

Overview

The Text File to Excel File Converter is a web-based tool built using React and Express that allows users to upload one or more .txt files, convert the data in these files into Excel format, and download the resulting Excel files. Additionally, it provides the ability to rename files and preview their content before conversion.

Features

* Upload multiple .txt files.
* Rename uploaded files before conversion.
* Preview the content of uploaded files.
* Download converted Excel files.

Prerequisites

Before using the tool, ensure that you have the following installed:

* Node.js
* npm (Node Package Manager)
* React

Installation

To set up and run the Text File to Excel File Converter on your local machine, follow these steps:

1. \*\*Clone the Repository\*\*:

git clone https://github.com/Bristlecone-Internship/Text-to-Excel-Converter

2. \*\*Install Dependencies\*\*:

In the project directory, run:

npm install

3. \*\*Start the Development Server\*\*:

Start the Express server by running:

node server.js

Start the React development server by running:

npm start

The application should now be running on (http://localhost:3000).

Usage

1. Upload .txt Files:

* Click the "Upload .txt files" button.
* Select one or more .txt files to upload. Only .txt files are accepted.
* Uploaded files will be displayed in the "Uploaded Files" section.

1. Rename Files (Optional):
   * For each uploaded file, you can enter a new name in the input field provided.
   * To clear a rename, click the "Clear" button.
2. Preview File Content:
   * Click the "Preview" button for an uploaded file to view its content in a table format.
   * Click "Hide Preview" to close the preview.
3. Convert and Download:
   * After uploading and renaming (if desired), click the "Download" button.
   * The tool will convert the text data to Excel format and prompt you to download the resulting Excel file(s).

Screenshots

Below are some snapshots of the Text File to Excel File Converter:

A screen shot of a computer program

Description automatically generated

Figure : Starting the React development server.

A screenshot of a computer program

Description automatically generated

Figure : The application now running on http://localhost:3000.

A screenshot of a computer

Description automatically generated

Figure : Starting the Express server.

A computer screen shot of a computer

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Figure : Snapshot of the tool.

A screenshot of a computer

Description automatically generated

Figure : Snapshot of the tool if a file is uploaded.

A screenshot of a computer

Description automatically generated

Figure : Snapshot of the tool if a file is shown for preview.

A screenshot of a computer

Description automatically generated

Figure : Logging the information of the tool with timestamp.

A screenshot of a computer

Description automatically generated

Figure : Log information will be stored in a txt file with file name as present date.

Technical Details

The application is built using the following technologies:

* Frontend:
  + React
  + XLSX (for Excel conversion)
* Backend:
  + Express