

Excel Basic process app

How to run

- Install the Rust language for your operating system. Step by step instructions can be found [here](#)
- Unzip the project and change into project directory
- Run the command `cargo run --release` To run the project in release build mode

Frontend

- The frontend was built with plain HTML, CSS and Javascript as specified.
- The files for the frontend can be found in the `frontend` folder.
- Clicking on the `index.html` file should open the page in the browser and everything should work as expected

Routes

- There are three routes in total
- `/upload` For uploading the excel file
 - Post request
 - It expects a multipart form that contains the excel file
 - The method returns a JSON response of the form `{"id": "018d3fc6-10b0-7a01-9b84-6c7195fd052f"}`
 - The id can be used in the subsequent operations to avoid sending the file multiple times
- `/getHeader/file_id` To get the header column of the excel file
 - Get request
 - This route is needed to show the header row in the frontend after `start job` is clicked, you wouldn't need it if you're not using the frontend.
 - `file_id` has to be replaced with the `id` you got from `/upload` response
- `/runJob` To run the final job, returns the final contraction file as a downloadable attachment.
 - Post request
 - It expects a multipart form as the request body with the following parts.
 - `fileId` The file id from `/upload` response
 - `contractionFile` The contraction file for highlighting **This field is optional**

- `sortCol` The columns to sort, it expects a value of structure `order,column_number` . The `order` can be either **asc** for ascending order sorting and **desc** for descending order sorting. Example: `asc,1` To sort the column 1 by ascending order. **When passing the column number, counting starts from 1 not 0.** You can append **multiple** `sortCol` values to your form.
- `searchTerm` The text to search and highlight in the excel file. You can append **multiple** `searchTerm` values to your form.
- `checkDate` Column number of columns to validate their date. This is just the column number nothing more. Example `1` for column 1. **When passing the column number, counting starts from 1 not 0.** You can append **multiple** `checkDate` values to your form.

- `/swagger-ui` To access the swagger ui

URL

The app runs on `http://127.0.0.1:6070` by default