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# Coding Task - Table Filter

Frontend Developer Productsup

## Goal

Create a simple project that allows a user to login to view a sortable table of data.

## Requirements

1. The project should be completed in Angular or React (or equivalent JS framework) as well Symfony or Laravel (or equivalent PHP framework).
2. The HTML/CSS can/should be built on the Bootstrap 4 framework. Another framework may be used if desired.
3. Docker desired but **not** required.

## Specifications

- The exercise consists of a basic login page and a data table view.
- The login can be any authentication method you choose. For example, providing a token or simple hardcoded passphrase would be enough, as long as the user is restricted from viewing the table.
- The primary data view should consist of one table of data, a search area, and pagination options. The user should be able to select the number of results and do simple pagination (next, previous).
- The table shall be populated with data provided by the PHP backend. (This will be included in a sample JSON file). Using data fixtures and a DBAL is desired but **not** required.
- If the user searches using the search area, the view shall load via AJAX a new set of data containing rows that contain the search term. Special filtering options such as wildcard matching or column specification are desired but **not** required.
- The coding exercise should be committed to a git repository and shared when it is complete.
- Other features that improve the usability of the exercise may be added.

## Notes

- External dependencies may be used where appropriate. Please add a small note in the readme file to justify each dependency.
- Please add any additional build notes to the readme.

## More Information

Sample JSON file:

**Host:** ftp://[transport.productsup.io/](ftp://transport.productsup.io/)

**File:** [table\\_data.json](#)

**User:** pupDev

**Password:** pupDev2018