

# Take Home Assignment

## General guidelines

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- Do not spend more than 1 - 1.5 hour on the assignment.
- It is ok to use any open source projects to build the solution.
- Focus on writing clean code, good programming interface design, extensibility, etc.

## Functional Requirements

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Create a node project that does the following:

- Takes a CSV file destination as an input. The input can be a URL or file on machine.
- Allows the consumer to pass a transformer function that will run for each row of the CSV.

Optional Goals:

- Add ability to run a hook before the file is read.
- Add ability to run a hook after the file is processed.
- Capture the time it takes for the file to get processed.

## Submission guidelines

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- Where to build?
  - Create a project on [stackblitz.com](https://stackblitz.com) and share the link with us.
  - Create a GH repo and share the link with us.
- Document the following:
  - How to run the project?
  - Pros and Cons (if any) of the chosen approach.

- For any open source library included in the project, explain the reasoning behind choosing a particular library.

## Sample Input and output

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### Input

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- Example content for `input.csv`

```
numbers
1
2
3
```

- Transformer Function to be applied for each row:
- Make sure to write your in project in a way that allows passing a different transformer function in the future.

```
function square(number) {
  console.log(Math.pow(number, 2));
}
```

### Output

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- Running your project should print:

```
1
4
9
```