

GitHub Repository

<https://github.com/rameez03/RecipeCollector>

Contributors:

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Tech Stack:

1. **Framework and Runtime:** We made an ExpressJS-based web application with Node.js runtime.
2. **UI:** The UI is implemented using Embedded Javascript (ejs) templates styled using Bootstrap 4.
3. **Database:** The data is stored and retrieved from a MongoDB database at the backend.

Requirements:

1. A web browser (e.g., Chrome, Opera, Safari)
2. CLI Shell (e.g., PowerShell, GitBash)
3. NodeJS installed: <https://nodejs.org/en/download/>
4. npm installed: <https://docs.npmjs.com/downloading-and-installing-node-js-and-npm>
5. MongoDB installed: <https://www.mongodb.com/docs/manual/administration/install-community/>

Commands to run:

1. Install Nodejs, npm, MongoDB on a system.
2. Browse to the code recipe, open the terminal and run the following to download dependencies:

```
npm install
```

3. In the index.js file, replace 'uri' with the URI of your own instance of MongoDB
4. Import all 5 CSVs from the cubits directory into the database with the same name of collections as of CSVs (units, ingredients, forms, processes, and utensils)
5. Change 'port' according to your wish (currently it's 3000)
6. Run the app following command to run the application:

```
node index.js
```

7. Open a browser and go to "http://localhost:<portno>" (http://localhost:3000 currently) to browse the app
8. Use CLI or MongoCompass to view the changes in the database or export data

References:

1. NPM: <https://docs.npmjs.com/getting-started>
2. ExpressJS: <https://expressjs.com/en/starter/installing.html>
3. NodeJS: <https://nodejs.org/en/docs/>
4. Bootstrap 4: <https://getbootstrap.com/docs/4.0/getting-started/introduction/>
5. MongoDB: <https://www.mongodb.com/home>
6. Add image to title bar:
<https://www.w3docs.com/snippets/html/how-to-add-an-image-in-the-title-bar.html>
7. Dynamically add/remove inputs:
<https://www.geeksforgeeks.org/how-to-add-and-remove-input-fields-dynamically-using-jquery-with-bootstrap/>
8. Search/Filter Dropdown:
https://www.w3schools.com/howto/howto_js_filter_dropdown.asp
9. Number Spinner: <https://bootsnipp.com/snippets/Max59>
10. Dropdown with filter:
<https://stackoverflow.com/questions/36712967/single-dropdown-with-search-box-in-it>
11. Datalist: <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/datalist>
12. Text Minifier: <https://codebeautify.org/text-minifier#copy1>
13. HTML set custom validation method:
<https://stackoverflow.com/questions/5272433/html5-form-required-attribute-set-custom-validation-message>
14. JQuery Select element by name:
<https://stackoverflow.com/questions/1107220/how-can-i-select-an-element-by-name-with-jquery>
15. HTML DOM Elements: https://www.w3schools.com/jsref/dom_obj_all.asp
16. Querying MongoDB: <https://www.mongodb.com/docs/manual/tutorial/query-documents/>