

VGen Todo Assessment

Scenario

A certain visionary entrepreneur with an extraordinary fondness for the letter “X” has set his sights on a new industry in need of disruption: todo lists. The new venture, called TodoX, was announced to great fanfare. However, the lead developer unexpectedly left the project following a mishap with a self-driving office chair, leaving you to finish it. A basic user authentication system has been implemented, as well as a feature for creating new todo items, but there are still a couple requirements left unfulfilled.

Setup Instructions

Install MongoDB: <https://www.mongodb.com/docs/manual/administration/install-community/>

Install Node.js: <https://nodejs.org/en/download>

Clone the following repositories:

<https://github.com/vgen-co/assessment-todo-backend>

<https://github.com/vgen-co/assessment-todo-frontend>

Running the repositories

To run the backend, use the following commands:

```
npm i
```

```
npm start
```

It should then be available at localhost:4000.

To run the frontend, use the following commands:

```
npm i
```

```
npm run dev
```

It should then be available at localhost:3000. You should first create an account at localhost:3000/signup, after which you'll be able to view the dashboard page at the root path, as well as the todo creation page at localhost:3000/create.

Submitting your work

Push your changes to your personal GitHub account and email the links to brynnon@vgen.co.

Requirements

1. List all of a registered user's todos
 - a. Create a new frontend page at the path /todos, which only signed in users can access
 - b. Fetch the user's todos from the database
 - c. Display the todos in a list view
 - d. Todos should be sorted by creation date
 - e. Only the user who created a todo should be able to see it
2. Mark a given todo as "done" or "not done"
 - a. In the list of todos from requirement #1, users should be able to toggle the completion status of a specific todo item
 - b. The completion status should also be persisted in the database

Don't be too concerned about the styling of the frontend parts, this is a [Minimum Viable Product](#), so the focus should be on functionality. Only the requirements listed are strictly required, but you're welcome to make any additional improvements as you see fit (for example, filter todo list by completion status). Comments in your code that explain how things work, or choices you made, are encouraged.