

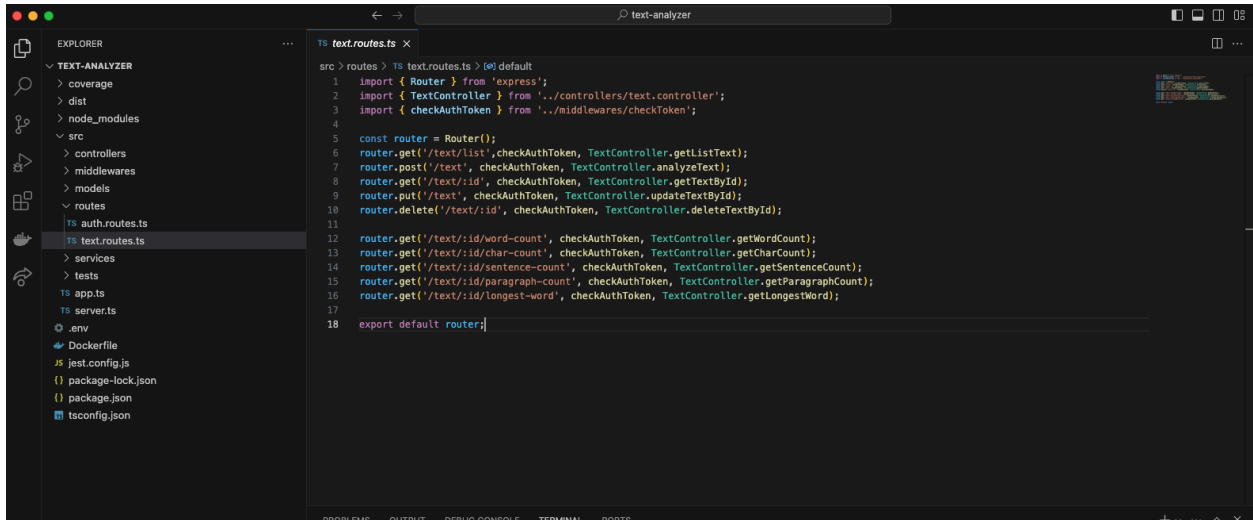
# Text analyzer App

**Used Technologies:** I have chosen Node.js version 18.17.0 and MongoDB as the database for my application. Additionally, I used Bootstrap to design and style the user interface, ensuring a responsive and visually appealing view. Node.js provides a robust and scalable server environment, while MongoDB offers a flexible NoSQL database solution. Bootstrap helps in creating a modern and user-friendly front-end without needing extensive custom CSS.

**How to run the application:** To run the application, first install the required dependencies by executing `npm install`. For development purposes, start the development server with `npm run dev`. To prepare the application for production, first create a production build using `npm run build`, and then start the production server with `npm start`. The application will run on port 3000 by default. Ensure that port 3000 is available and not being used by another service. For configuration adjustments or environment-specific settings, check the `.env` file or relevant configuration files in the project.

**Endpoints:** There are two sets of routes in the application: one for Google OAuth authentication and another for the main application functionalities. The Google OAuth routes handle the authentication flow with Google, including the login and callback processes. The main application routes manage various text-related operations, such as creating, retrieving, updating, and deleting text entries.

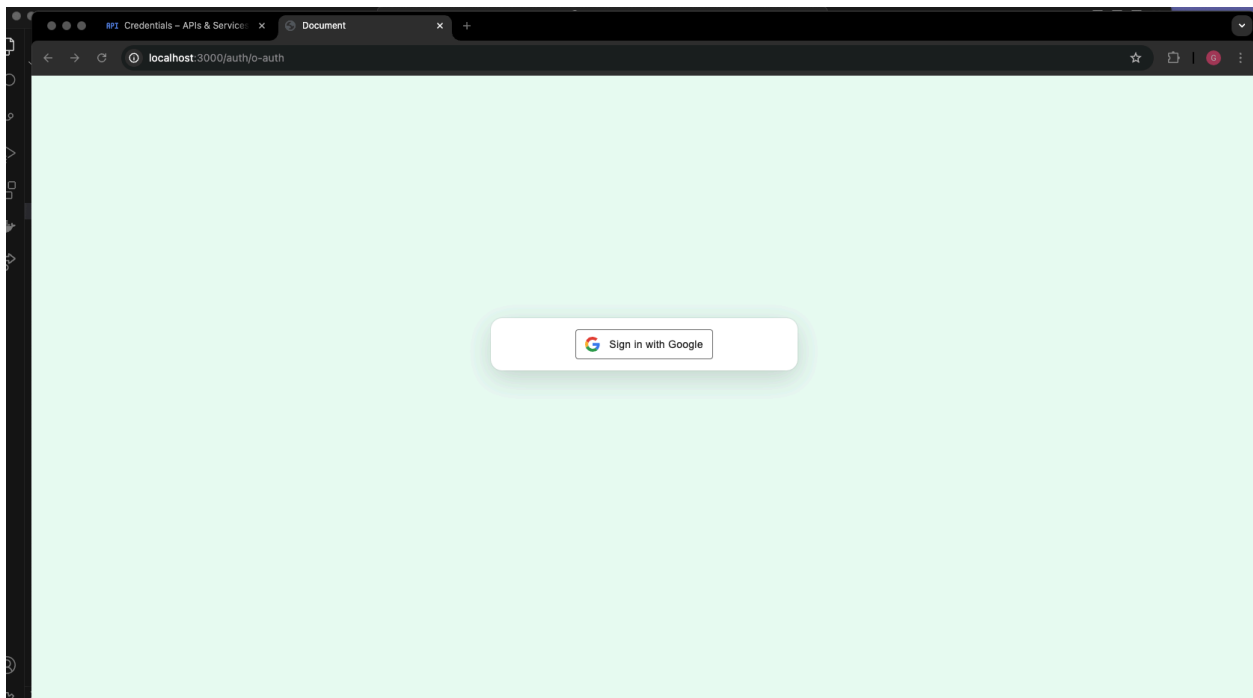
I have shared the Postman collection in the repository, which includes all the necessary endpoints for testing and interacting with the application. This collection provides example requests and responses to help with API integration and testing.



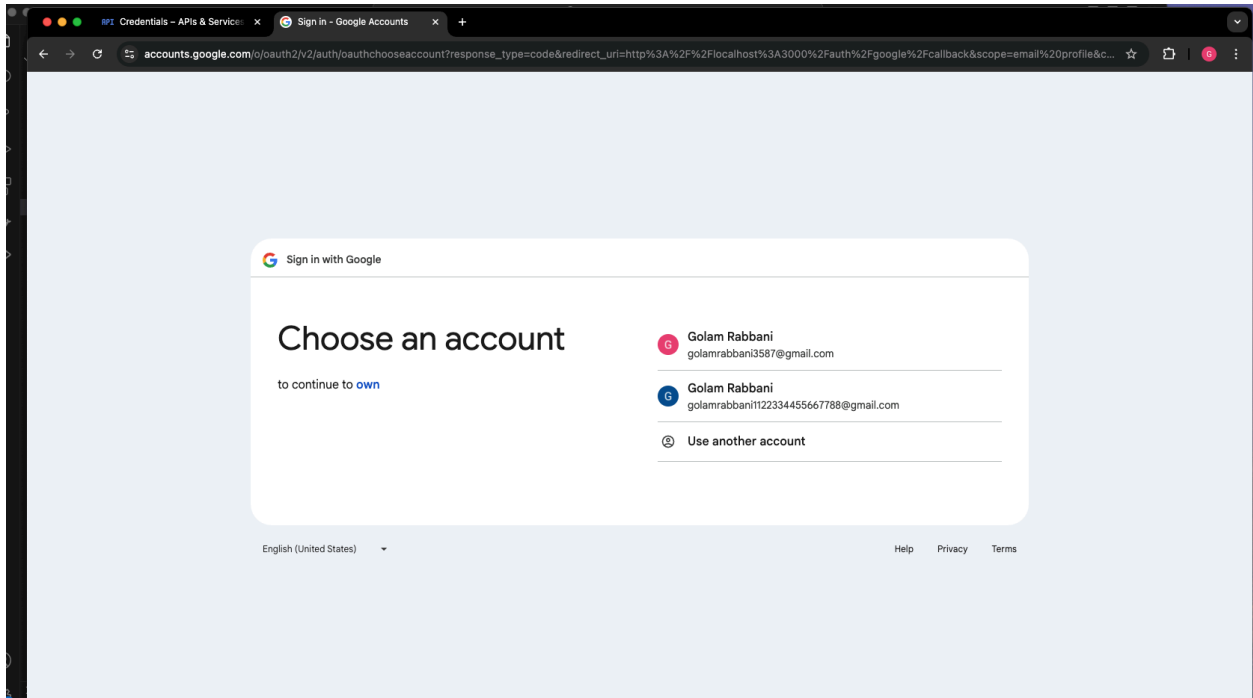
How use the application: After running the application,

goto the url <http://localhost:3000/auth/o-auth>

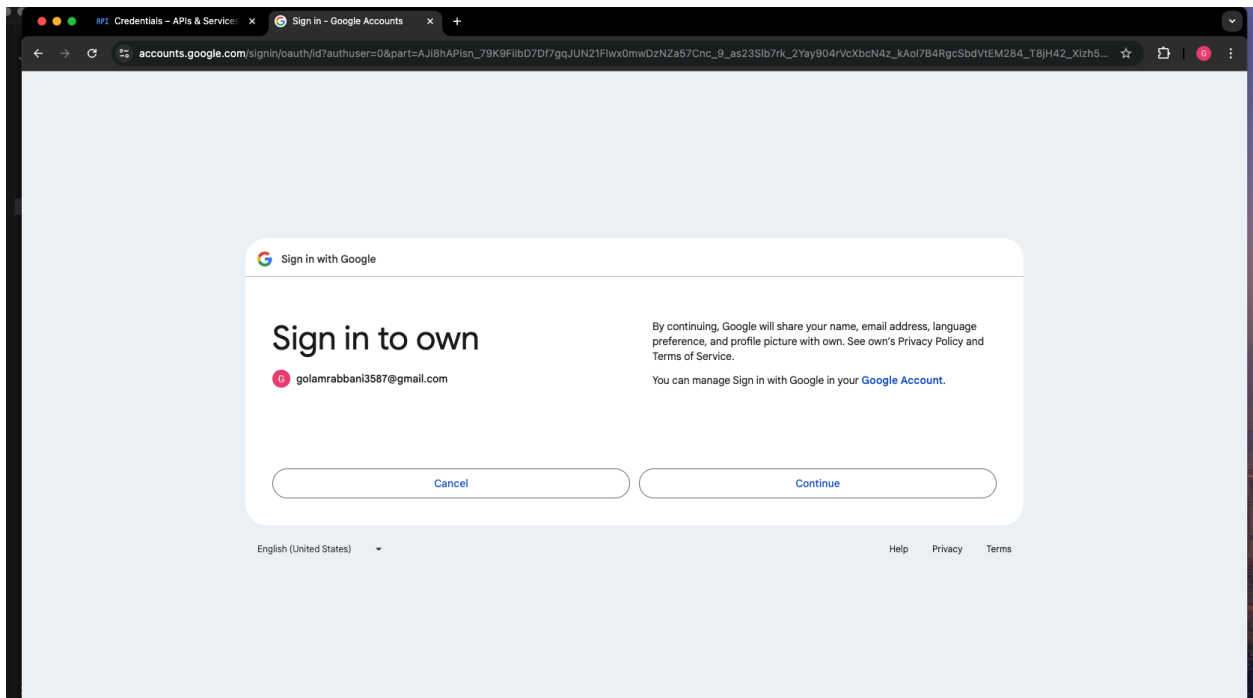
Click Sign in with google



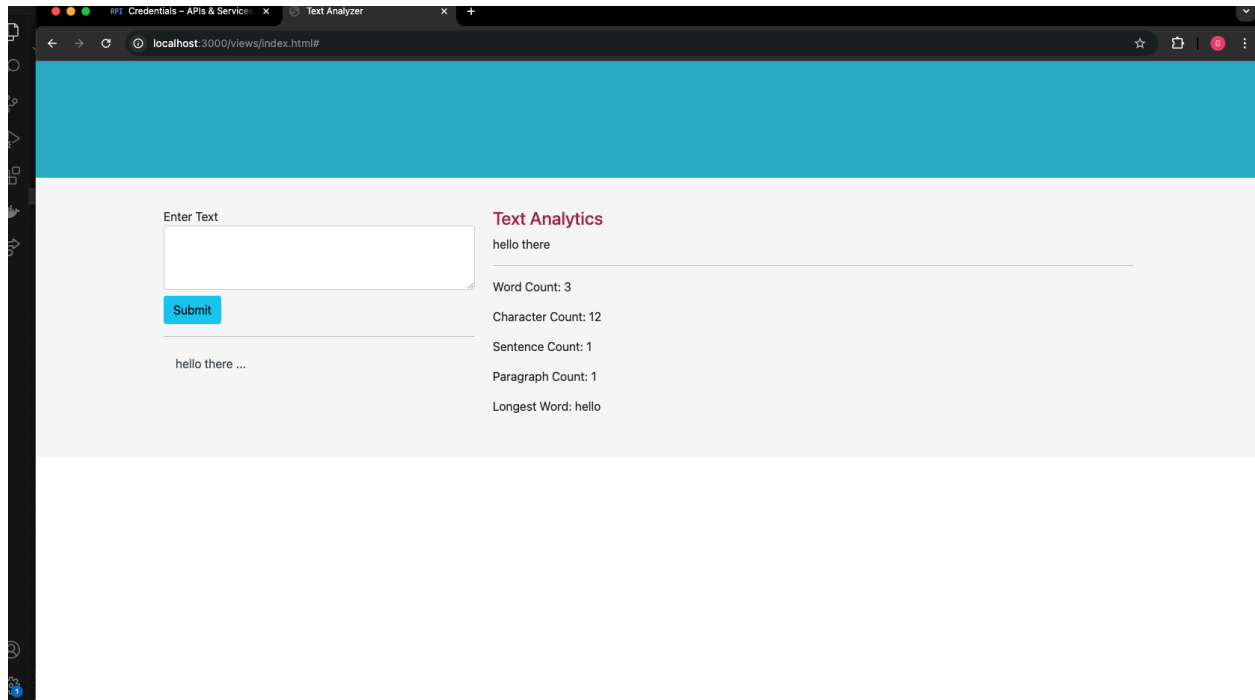
Choice an gmail account



Click on account to confirm and make confirmation on below page



If success will be redirect to dashboard



On the left side of the interface, there is a textarea for adding and updating text. You can enter new text into this area and click the "Submit" button to add it to the application. Below the textarea, you will find a list of existing text entries. Clicking on an item in this list will display the details of the selected text.

When you hover over an item in the list, two buttons will become visible: one for updating and one for deleting. Clicking the pencil icon will open the selected text in the textarea, allowing you to make changes and then update it. If you click the delete icon, the selected text entry will be removed from the list.

**Test description:** The test cases are written in the `test/test.test.ts` file located in the `test` directory. You can execute these tests by running `npm run test`. To view the test coverage, use `npm run test:coverage`, which will provide a detailed coverage report. Additionally, you can open the generated HTML file to view the full details of the coverage and test results in a more visual format.

file:///Users/md.golamrabbani/Desktop/text-analyzer/coverage/cov-report/index.html

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Error with NodeJS Setup

Data | Cloud: MongoDB Cloud

Home - Google Drive

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Code coverage report for All files

All files

61.27% Statements 186/173 9.09% Branches 1/11 45.16% Functions 14/31 64.02% Lines 185/164

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src	<div><div></div></div> 95.45%21/22	<div><div></div></div> 100%0/0	<div><div></div></div> 50%1/2	<div><div></div></div> 95.23%20/21
src/controllers	<div><div></div></div> 38.88%28/72	<div><div></div></div> 0%0/2	<div><div></div></div> 40%6/15	<div><div></div></div> 38.88%28/72
src/middlewares	<div><div></div></div> 70%7/10	<div><div></div></div> 100%0/0	<div><div></div></div> 0%0/3	<div><div></div></div> 70%7/10
src/models	<div><div></div></div> 100%3/3	<div><div></div></div> 100%0/0	<div><div></div></div> 100%0/0	<div><div></div></div> 100%3/3
src/routes	<div><div></div></div> 100%23/23	<div><div></div></div> 100%0/0	<div><div></div></div> 100%0/0	<div><div></div></div> 100%23/23
src/services	<div><div></div></div> 55.81%24/43	<div><div></div></div> 11.11%1/9	<div><div></div></div> 63.63%7/11	<div><div></div></div> 68.57%24/35