

TO DO APPLICATION

Documentation

REST API Endpoints

Backend URL: <http://localhost:2000>

Note: This URL only works if the backend is on the same machine as the frontend. In production, “localhost” will be changed to an external URL for wherever the backend server is being hosted. The endpoints use this backend URL.

Method	GET
Route / Endpoint	“/todosdate”
Purpose	Retrieve all “to do” items from the Database
Input Parameters	None
Formate	JSON format
Example	<div>Request: GET</div> <div>Response:</div> <div>Body</div> <div>[{ "_id": "68909c7e05cced1e32416bc1", "text": “to do 1”, "duedate": "2025-09-12T00:00:00.000Z" }, { "_id": "68909c8905cced1e32416bc4", "text": “to do 2”, "duedate": "2025-08-04T11:42:01.210Z" },]</div>

Dependencies

Dependencies

1. Packages (express, cors, mongoose)
 - Uses NPM - Node Package Manager to install dependencies

- eg to install express at the terminal run the code:

```
npm install express
```

2. Frameworks (express, bootstrap)

- Bootstrap V5

3. Database (MongoDB as cloud storage)

- MongoCompass used in development to interact with the database.

Credentials

1. MongoDB cluster credentials (these are used in the connection string).
2. MongoDB server that's being used (AWS)
3. MongoDB cluster IP access list (is currently 0.0.0.0/0) for development.

Policies and Procedure for Feedback

Policies and Guidelines

- Privacy ACT 1988
- W3C Internet standards and guidelines.
- Copyright ACT of 1968 (Australia) and Copyright Act of 1976 (US)
- Note: images used in the website are free from copyright.

Procedure for Feedback

Email address for feedback.

(With 2 week timeframe for review and response).

Procedure for code commit changes

1. Create a development (feature) Branch
2. Development & Local Testing including:
 - Make code changes in your local environment
 - Ensure the application works as expected.
 - Commit Changes with clear, meaningful messages:
3. Push to Remote Repository
 - Push your feature branch:
4. Create a Pull Request (PR)
 - Open a Pull Request (PR) to merge your feature branch into the develop branch.
 - Include Description of changes
 - Screenshots or test results if applicable
5. CI/CD Pipeline Runs

- Once PR is created, CI/CD pipelines automatically trigger:
 - Build the code
 - Run automated tests
 - Optionally deploy to a staging environment
 - If any stage fails, fix the issue and push changes to the same branch. The pipeline will re-run.
6. Code Review & Feedback
- Collaborators review the PR.
 - Address feedback by making additional commits.
 - Ensure all checks pass before merging.
7. Merge the PR
- Once approved and CI/CD passes:
 - Merge into develop
8. Merge into master (for release)
- After full QA testing in develop, merge into master:
 - The CI/CD pipeline deploys the latest code to production automatically or upon approval.
9. Clean Up
- Delete the feature branch (both local and remote):
 - Pull the latest develop to stay updated.

Procedure for Code Commit Changes in Web Development

