

Thomas App Store – User Documentation

1. Introduction

The Thomas App Store is a web application that allows users to browse, search, and view applications stored in a backend database. It demonstrates full-stack development using React, Tailwind CSS, Node.js, Express, and SQL. Performance testing was conducted using JMeter.

2. Installation

Backend:

- cd backend
- npm install
- npm start

Frontend:

- cd frontend
- npm install
- npm start

3. Usage

Open <http://localhost:3000> to access the application.

Use the search bar to find apps and click to view details.

4. Performance Testing

Test: GET all apps

Tool: Apache JMeter

Users: 100 threads

Average response: ~4 seconds

Error rate: 0%

5. Folder Structure

backend/

frontend/

docs/

test/

UI/

6. Troubleshooting

If frontend fails: run npm install

If backend fails: check port 5000

7. Credits

Developer: Osei Thomas

Year: 2025