

Expense Tracker API

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Overview

An intuitive Expense Tracker API with JWT-secured login. It uses GraphQL and REST for flexible data handling and supports PDF exports. Built with Node.js, TypeScript, and MongoDB, it features robust middleware error handling, Winston logging, and Vitest unit tests for smooth, secure, and maintainable record-keeping.

Technology Stack

- Backend: Node.js, TypeScript, Express
- GraphQL: Apollo Server
- Database: MongoDB & Mongoose
- Auth & Logging: JWT, Winston
- Utilities: CORS, dotenv, PDFKit, Vitest

User Management Features:

- ▶ Register
- ▶ Login
- ▶ Logout
- ▶ Change Email
- ▶ Reset Password
- ▶ Get Account Information

Transactions Features:

- ▶ Add Transaction
- ▶ Update ,Soft-Update versioning Transaction
- ▶ Delete Transaction
- ▶ Get transactions in a custom date range
- ▶ On demand PDF export via REST endpoint

Testing

- ▶ Vitest suite coverage
- ▶ Unit test for user features
- ▶ Unit test for transaction features