Task 1 Bulk Data Uploader (Shelfex Internship)

Problem Statement

Build a system where users can upload a large dataset in bulk (CSV/Excel), and view the upload progress in real-time.

Features

- Upload CSV file via simple form

- Backend processes file in chunks

- Real-time upload progress shown (polling or WebSocket)

- Success & error records summary on completion

- Upload report/log saved

Tech Stack

- Backend: Node.js, Express.js

- Frontend: React (optional)

- Database: MongoDB or file-based store

- Real-Time: WebSocket (or polling)

- Others: Multer for file upload, fs module

Folder Structure

task-1-bulk-data-uploader/

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 backend/

   uploads/   # CSV files uploaded by user

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    routes/          # Express routes for upload

    controllers/     # Upload logic, progress handling

    utils/           # Helper functions (CSV parser etc.)

    server.js        # Entry point

    .env             # (if using DB)
|
 frontend/ (optional)

    src/

       components/

       pages/

       App.js

    package.json
|
 README.md

 .gitignore
```

How to Run

Backend:

cd backend

npm install

node server.js

Frontend (if used):

cd frontend

npm install

```
npm start
```

Screenshots

(Add screenshot of file upload form + progress status if needed)

Developed by

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