

Frontend - Invoices App

This is the frontend for the Invoices application built with **React, TypeScript, Vite, TailwindCSS, React Query, and Redux Toolkit**. It communicates with the backend API to display invoices and individual invoice details.

Technologies

- React + TypeScript
 - Vite
 - TailwindCSS
 - React Query (@tanstack/react-query)
 - Redux Toolkit
 - Axios
 - React Icons (UI)
 - Zod (optional validation)
 - JWT-based authentication
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Setup

1. Clone the repo

```
git clone <repo-url>
cd frontend
```

2. Install dependencies

```
npm install
```

3. Configure environment variables

Create a `.env` file in the root:

```
VITE_API_URL=http://localhost:3000
```

4. Run the development server

```
npm run dev
```

Frontend should now run at `http://localhost:5173`.

Features

- **Login Page** with JWT authentication.
 - **Invoices Page:**
 - Displays a list of invoices.
 - Click on an invoice row to display **invoice details**.
 - Search input for filtering invoices (UI only, optional backend filtering).
 - **Sidebar** with navigation links.
 - **Profile dropdown** with Logout functionality.
 - **JWT token** is stored in `localStorage` and sent with each API request.
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API Integration

Endpoints consumed:

- `POST /auth/login` - Login user.
 - `GET /invoices` - Fetch all invoices.
 - `GET /invoices/:id` - Fetch individual invoice details.
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Scripts

```
npm run dev      # Run dev server
npm run build    # Build production bundle
npm run preview  # Preview production build
```

Styling

- TailwindCSS is used for UI styling.
 - Responsive and modern layout.
 - Sidebar, tables, and modal/pop-up implemented with Tailwind classes.
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Notes

- JWT token is required to access `/invoices` and `/invoices/:id`.
- Ensure backend is running at the configured API URL.