Personal Finance Dashboard



6 Objectives

The **Personal Finance Dashboard** is designed to help users track and manage their personal finances efficiently. This web application features a user-friendly interface with a sidebar for easy navigation between different pages like Home, News, and Settings.

Key Features

- Interactive Charts: Visualize financial data using pie charts and other graphical representations.
- Data Management: Simple data management using JSON files for demonstration purposes.
- @ Customizable UI: TailwindCSS for easy and flexible UI customization.

✓ Completed Tasks

• Project Initialization

- Set up a Next.js project with TypeScript support.
- Integrated TailwindCSS for styling.

Component Development

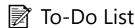
- Created a RootLayout component with a sidebar.
- Developed a PieChart component using Chart.js to display pie charts.
- Added a PieCard component to manage and display the chart data.

• Routing and Navigation

- Implemented client-side routing using next/link for seamless navigation.
- Configured basic pages: Home, News, and Settings.

Styling

- Applied TailwindCSS for responsive and modern design.
- Utilized global CSS for consistent styling across the application.



Data Integration

- o Implement real-time data fetching for financial data.
- Integrate with an external API for dynamic data updates.

Authentication

• Add user authentication and authorization to secure personal data.

Advanced Features

- o Implement budget tracking and expense categorization.
- Develop detailed analytics and reporting features.

UI Enhancements

- o Improve mobile responsiveness and accessibility.
- o Add animations and transitions for a smoother user experience.

Testing

- Write unit and integration tests for all components.
- Perform end-to-end testing to ensure application stability.

% Installation and Setup

1. Clone the Repository

git clone https://github.com/yourusername/personal-finance-dashboard.git
cd personal-finance-dashboard

2. Install Dependencies

npm install

3. Run the Development Server

npm run dev

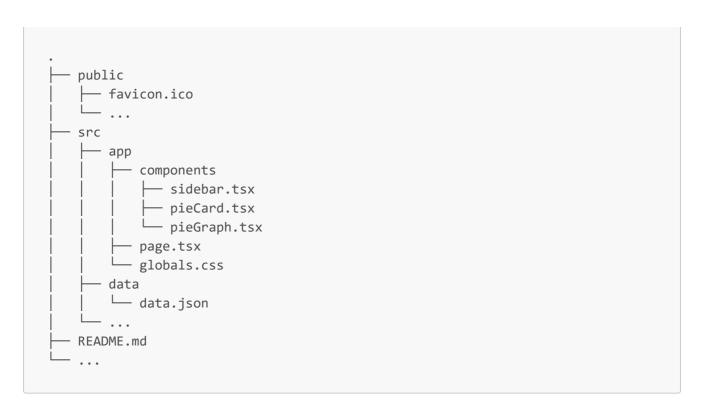
4. Open in Browser

Open http://localhost:3000 to see the application.



- **Home Page**: View a summary of your financial status.
- **News Page**: Stay updated with the latest financial news.
- Settings Page: Customize your dashboard settings.

Project Structure



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