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Blood Data Visualization

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Overview

This project is designed to provide an interactive visualization of blood type data using bar and pie charts. The data is fetched dynamically from an API, allowing users to get the most up-to-date information. Users can filter the data based on blood type and group, providing a customizable and informative experience. The visualizations are enhanced with smooth animations and interactive hover effects, making the data exploration engaging and user-friendly.

The application leverages Chart.js for creating the charts and includes a responsive design to ensure compatibility across different devices. The background of the application features a subtle gradient animation to enhance visual appeal, while the hover effects on the charts provide immediate feedback to user interactions.

Features

1. **Dynamic Data Fetching:** The application makes an API request to fetch the latest blood type data.

2. **Interactive Charts:** Visualize data using bar and pie charts with interactive animations.

3. **Data Filtering:** Users can filter the data by blood type and group using drowdown menus.

4. **Background Animation:** A smooth gradient animation in the background enhances the visual appeal.

5. **Hover Effects:** Interactive hover effects on the charts for better user experience.

6. **Responsive Design:** Ensures the application looks good on all devices

Technologies Used

- **HTML5**

- **CSS3**

- **JavaScript (ES6)**

- **Chart.js**

- **React.js**

Usage Instructions

1. Open the Web Application:

    Open 'index.html' in your preferred web browser

2. Filter Data

    Use the dropdown menus to filter the data by blood type and group

3. Hover Effects

    Hover over the charts to see interactive animations

4. Background Animation

    Enjoy the smooth background gradient animation

Screenshots