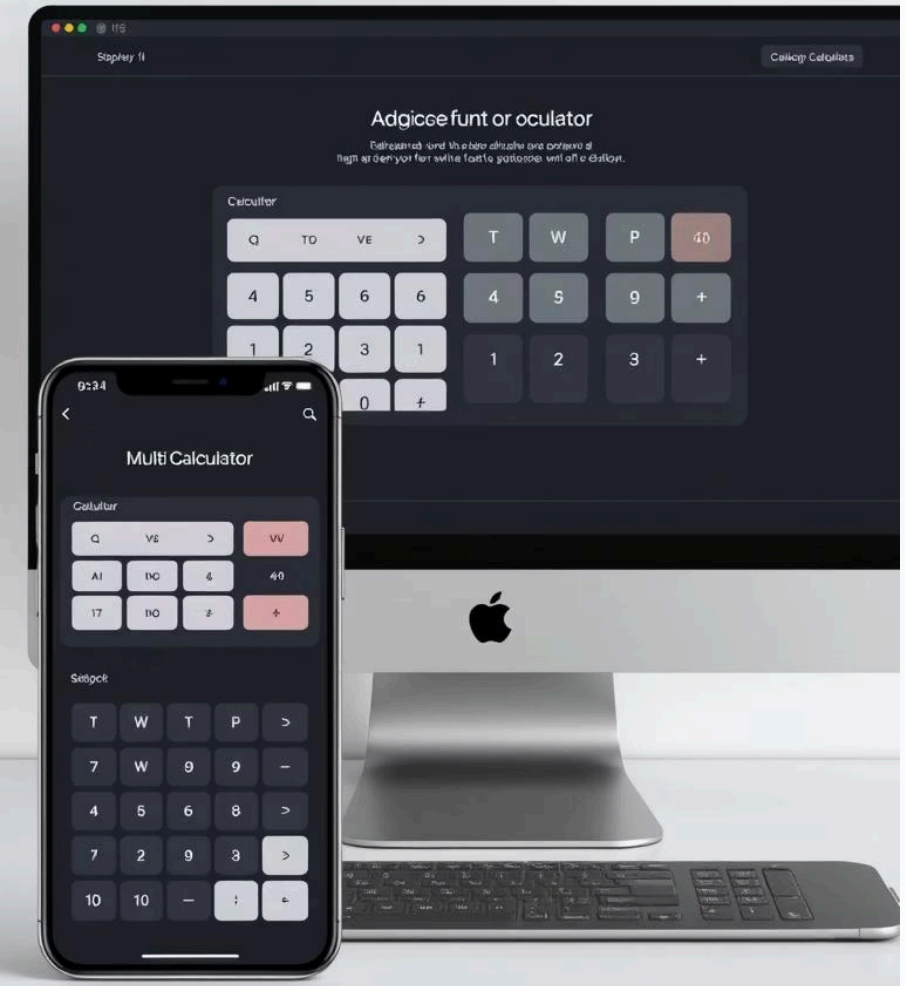
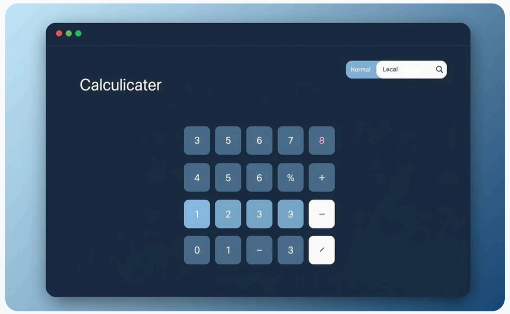


Responsive Multi-Calculator Web App: A Frontend Showcase

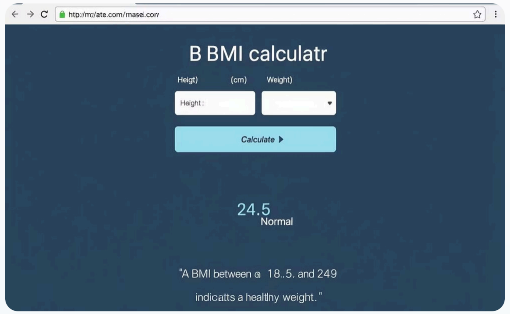
This web application, built with React, TypeScript, and CSS, showcases advanced frontend development skills.

Project Overview & Core Features



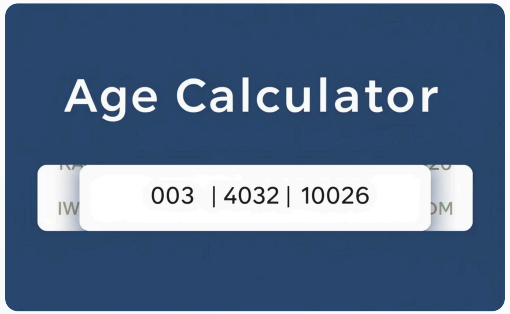
Normal Calculator

Standard arithmetic operations.



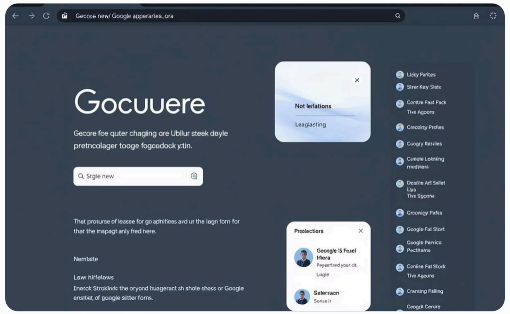
BMI Calculator

Calculates Body Mass Index.



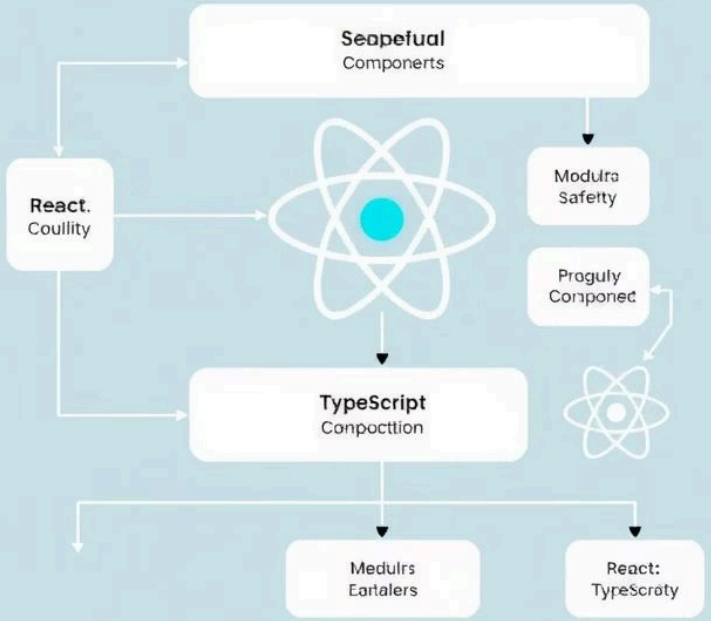
Age Calculator

Determines age from birth date.



Google-Style UI & Dark Theme

Familiar, intuitive interface with reduced eye strain.



Frontend Architecture: React & TypeScript

Modular Components

Reusable React components.

State Management

Manage data with React Hooks.

TypeScript Benefits

Stronger code with type safety.

Functional Code

Clean code with modern React.

Seamless Responsiveness & UI/UX

CSS Flexbox & Grid: Creates flexible layouts that adapt.

Media Queries: Styles change for different screen sizes.

Mobile-First Approach: Designed for small screens first, then larger ones.

Pixel-Perfect Scaling: Layout adjusts perfectly without stretching.

Key Learnings & Challenges Overcome

1 Complex State

Managing how different parts of the calculator work together.

2 Browser Compatibility

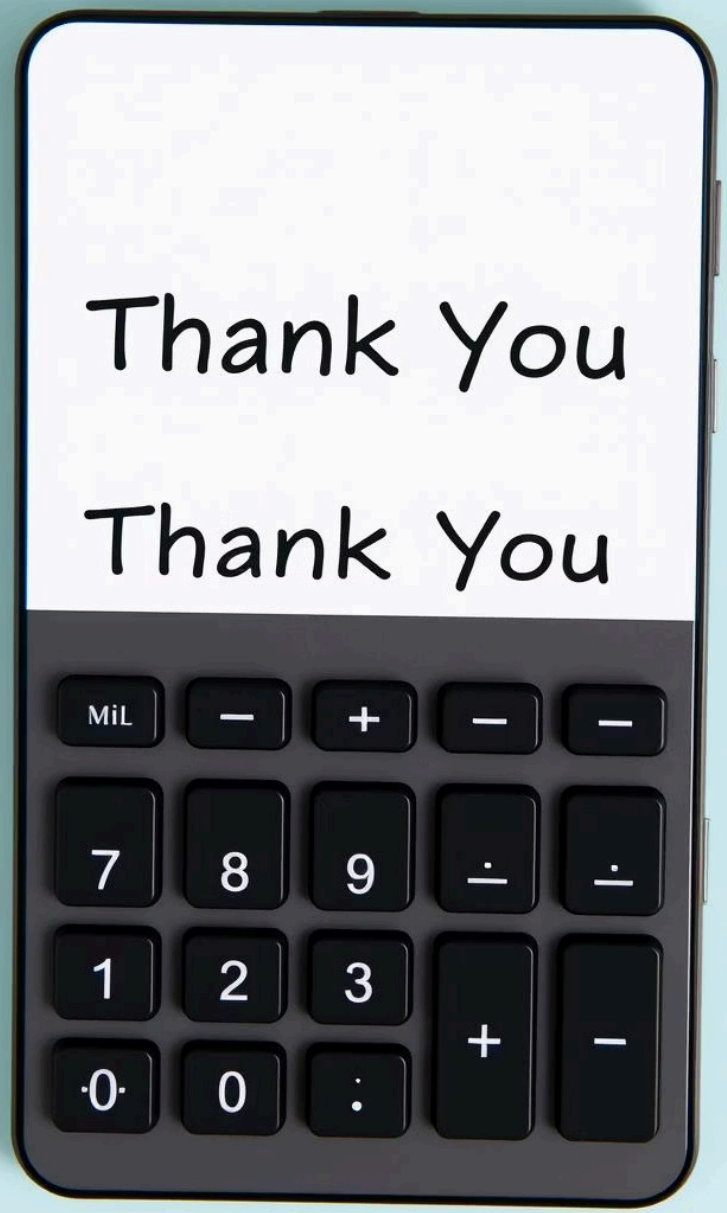
Making sure the app works the same on all web browsers.

3 Accessibility

Making the app easy for everyone to use, including those with disabilities.

4 Performance

Making the app fast and smooth by reducing unnecessary updates.



Conclusion: Skills Demonstrated & Future Scope

Demonstrated Skills

React, TypeScript, CSS, Responsive Design, UI/UX.

Component Design

Reusable and scalable architecture.

Future Enhancements

Currency converter, unit converter, scientific calculator.