Adaptive UI Documentation

Overview

AutomaSpec implements a fully responsive interface that adapts seamlessly across mobile, tablet, and desktop devices while maintaining functionality and visual consistency.

Device Support

Three Device Types Supported

- **Mobile** (375px - 767px): Touch-optimized, single-column layout
- **Tablet** (768px - 1023px): Enhanced layouts with balanced information density
- **Desktop** (1024px+): Full two-panel dashboard with maximum functionality

Key Features

- Relative units throughout (rem, em, %, vw, vh)
- No overlapping elements at any screen size
- Correct functionality with browser zoom
- Responsive breakpoints: 640px, 768px, 1024px, 1280px, 1536px

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Visual Criteria

Typography & Icons

- Scalable fonts using relative units
- SVG icons (Lucide React) - scale without distortion
- Unified typography across all devices
- Consistent color palette via CSS custom properties

Interactive Elements

- Minimum 44px touch targets for mobile
- WCAG 2.1 AA contrast compliance (4.5:1 minimum)
- Accessible form elements and buttons

Theme Support

- Light/Dark theme with smooth transitions
- System preference detection
- Theme toggle available throughout

Structural Criteria

Adaptive Layout

- Flexbox/Grid-based responsive system
- Blocks scale appropriately with screen width
- Navigation always accessible
- Mobile: Sheet-based sidebar
- Desktop: Fixed sidebar with collapse

Component Library

- Reusable responsive components
- Size variants (sm, md, lg)
- Mobile-aware dialogs and sheets

Screenshots

Login Page

Figure 1: Login Desktop

Desktop (1920×1080) **Features:** - Centered layout with optimal spacing - Full-width form elements - Clear visual hierarchy

Tablet (768×1024) **Adaptations:** - Maintained centered layout - Touch-friendly buttons - Readable typography

Mobile (375×667) **Adaptations:** - Full-width form - Stacked social login buttons - Single-column layout

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Dashboard Page

Desktop (1920×1080) **Layout:** - Two-panel layout (50/50 split) - Tree navigation left, details panel right - Full header navigation

Tablet (768×1024) **Adaptations:** - Responsive panel widths - Maintained two-column layout - Touch-optimized interactions

Mobile (375×667) **Adaptations:** - Single-column stacked layout - Full-width panels - Mobile-optimized navigation

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Technical Implementation

Framework & Tools

- **Next.js 16** - React framework
- **Tailwind CSS 4** - Utility-first CSS
- **TypeScript** - Type safety
- **Lucide React** - SVG icons

Responsive Features

- Custom `useIsMobile()` hook (breakpoint: 768px)
- Tailwind responsive utilities (`sm:`, `md:`, `lg:`)

AutomaSpec

Welcome back

Sign in to your account to continue

Sign in

Enter your email and password to access your dashboard

GitHub	Google

OR CONTINUE WITH

Email

name@example.com

Password

Enter your password

✓ Remember me   Forgot password?

Sign in

Don't have an account? Sign up

You are already signed in as **demo@automaspec.com**

Go to dashboard or sign out

Demo credentials:

Email: demo@automaspec.com
Password: demo1234

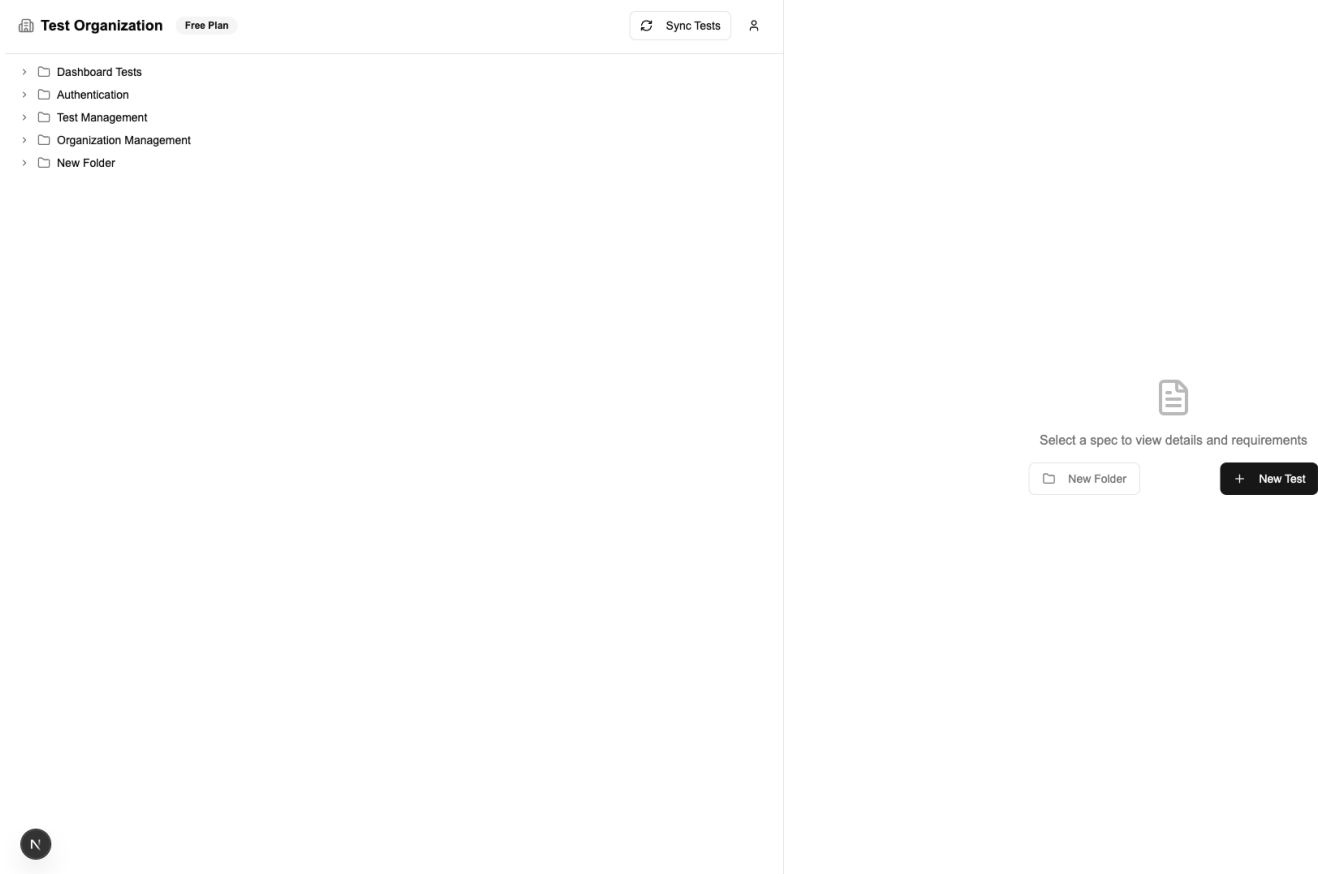**AutomaSpec**

Welcome back

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GitHub	Google

OR CONTINUE WITH

Email

name@example.com

Password

Enter your password 👁

☑ Remember me   Forgot password?

Sign in

Don't have an account? Sign up

You are already signed in as
demo@automaspec.com

Go to dashboard or sign out

Figure 4: Dashboard Desktop

- CSS custom properties for theming
- Container queries where applicable

Browser Support

- Modern browsers (Chrome, Firefox, Safari, Edge)
- Mobile browsers (iOS Safari, Chrome Mobile)
- Full touch support

Compliance Summary

Minimum Requirements

- 3 device types (mobile, tablet, desktop)
- Correct display at different resolutions
- Relative units throughout
- Scalable fonts and icons
- 44px+ touch targets
- WCAG 2.1 AA contrast
- Adaptive grid system
- Always accessible navigation

Enhanced Features

- Light/dark theme support
- SVG icons throughout
- System theme detection
- Smooth theme transitions
- Mobile-optimized layouts

> 📁 Dashboard Tests
> 📁 Authentication
> 📁 Test Management
> 📁 Organization Management
> 📁 New Folder

Select a spec to view details and requirements

📁 New Folder   + New Test

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Test Organization Free Plan

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> 📁 Dashboard Tests + 🗑
> 📁 Authentication + 🗑
> 📁 Test Management + 🗑
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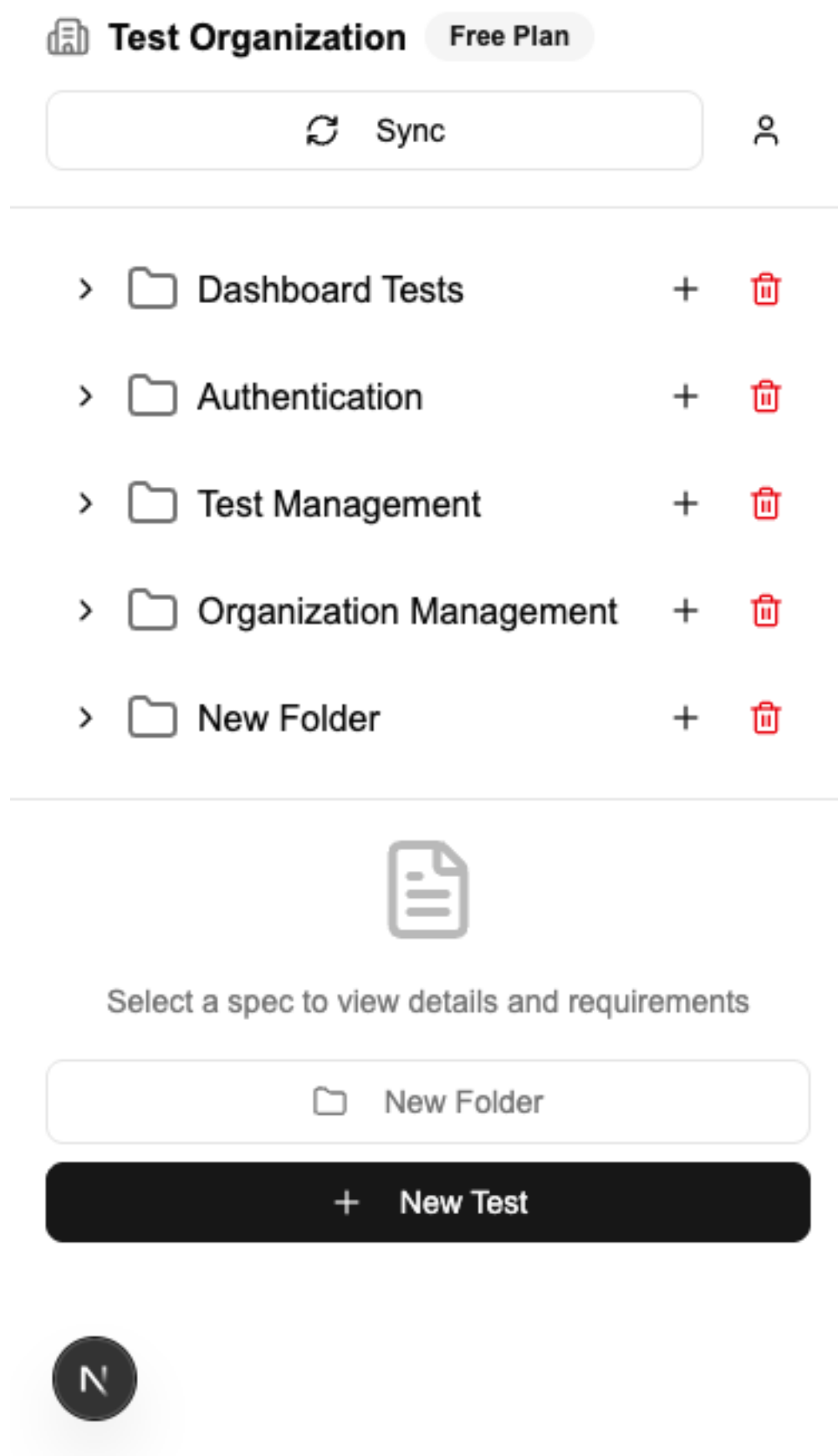Select a spec to view details and requirements

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Figure 6: Dashboard Mobile

Conclusion

AutomaSpec provides a comprehensive adaptive UI that meets all requirements for responsive design, ensuring functional consistency, visual integrity, and optimal user experience across all device types.