

Comprehensive Web App Design Specification

1 . Design Vision

The web application should **modern, calm, fast, and trustworthy**. Since the product targets mobile-first users (especially in India), the UI must prioritize:

- Clean visual hierarchy
- Fast perceived performance
- Minimal cognitive load
- Accessible typography
- Smooth micro-interactions

Design Personality: - Calm but tech-forward - Soft shadows, rounded corners - Subtle gradients
mode friendly

2 . Design Principles

2 . 1 Mobile-First Approach

- Base breakpoint: 360 px
- Progressive enhancement for tablet and desktop
- Thumb-friendly tap targets (min 44 px)

2 . 2 Visual Consistency

- Use an 8 px spacing system
- Consistent border radius (12 px primary)
- Consistent elevation levels

2 . 3 Performance-First UI

- Skeleton loaders instead of spinners
- Avoid heavy glassmorphism
- Prefer SVG icons

2 . 4 Accessibility

- WCAG AA contrast
 - Keyboard navigable
 - Focus states visible
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3 . Color System (Tailwind Tokens)

3 . 1 Primary Palette

- **Primary:** Indigo/Blue (trust + tech)
- **Secondary:** Teal (calm + wellness)
- **Accent:** Soft purple
- **Success:** Green
- **Warning:** Amber
- **Error:** Red

3 . 2 Suggested Tailwind Colors

```
primary: #4F46E5  
secondary: #14B8A6  
accent: #8B5CF6  
bg-light: #F8FAFC  
bg-dark: #0F172A
```

3 . 3 Dark Mode

Must support via Tailwind `class` strategy.

Dark surfaces: - Card: slate- 8 0 0 - Background: slate- 9 0 0 - Border: slate- 7 0 0

4 . Typography

Font Stack

Primary: Inter Fallback: system-ui

Scale

- H 1 : 3 2 px / bold
- H 2 : 2 4 px / semibold
- H 3 : 2 0 px / semibold
- Body: 1 6 px
- Caption: 1 4 px

Rules

- Line height: 1 . 5 body
 - Max line width: 6 5 ch
 - Avoid pure black text
-

5 . Layout System

5 . 1 App Shell

Desktop:

[Sidebar] [Topbar]
[Main Content]

Mobile:

[Topbar]
[Content]
[Bottom Navigation]

5 . 2 Grid

- Container max width: 1 2 8 0 px
- Padding: 1 6 px mobile, 2 4 px desktop
- Gap scale: 8 / 1 2 / 1 6 / 2 4 / 3 2

6 . Core Pages Design

6 . 1 Landing Page

Sections

- 1 . Hero section
- 2 . Features grid
- 3 . How it works
- 4 . Testimonials
- 5 . CTA
- 6 . Footer

Hero Layout

Left: - Headline - Subtext - Primary CTA

Right: - Illustration / dashboard preview

Key UX Goals

- Clear value in first viewport

- Single primary CTA
 - Fast load
-

6 . 2 Authentication Pages

Screens

- Login
- Signup
- Forgot password
- Verify email

Layout

Centered card layout.

Card specs: - Width: 4 0 0 px max - Padding: 3 2 px - Radius: 1 6 px - Shadow: soft

Form UX

- React Hook Form validation
 - Inline error messages
 - Password visibility toggle
 - Loading button state
-

6 . 3 Dashboard

This is the most important screen.

Layout

Top section: - Greeting - Date filter - Quick actions

Middle: - Stats cards (3 – 4)

Bottom: - Charts (Recharts) - Recent activity

Stats Card Design

Each card contains: - Icon - Metric - Label - Trend indicator

Card style: - Padding: 2 0 px - Radius: 1 6 px - Subtle hover lift

6 . 4 Charts Section

Use Recharts.

Required Charts

- Mood trend (line chart)
- Sleep hours (bar chart)
- Stress distribution (pie chart)

Chart UX Rules

- Always show tooltip
 - Mobile scrollable
 - Legend toggleable
 - Empty state supported
-

6 . 5 Profile & Settings

Sections

- Personal info
- Preferences
- Security
- Notifications
- Danger zone

Layout

Desktop:

[Settings Nav] [Content Panel]

Mobile:

Accordion sections.

6 . 6 Admin Panel (if enabled)

Features

- User table
- Search & filters
- Role management
- Activity logs

Table Design

- Sticky header
 - Row hover
 - Pagination
 - Skeleton loading
-

7 . Component Library

7 . 1 **Atoms**

- Button
- Input
- Label
- Badge
- Avatar
- Spinner
- Skeleton

7 . 2 **Molecules**

- Form field
- Search bar
- Stat card
- Notification item
- Chart card

7 . 3 **Organisms**

- Navbar
 - Sidebar
 - Auth form
 - Dashboard grid
 - Data table
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8 . Interaction & Motion

Use **Framer Motion** carefully.

Required Micro-interactions

- Button press
- Card hover lift
- Modal scale-in
- Page transitions (subtle)

Motion Rules

- Duration: 150 – 250 ms
 - Easing: ease-out
 - Avoid large layout shifts
-

9 . Responsive Breakpoints

Tailwind defaults recommended:

- sm: 640 px
- md: 768 px
- lg: 1024 px
- xl: 1280 px

Mobile Priorities

- Bottom navigation
 - Collapsible sidebar
 - Scrollable charts
-

1 0 . Empty, Loading, Error States

Loading

- Skeleton first
- Avoid infinite spinners

Empty

Show: - Friendly illustration - Short message - CTA

Error

- Human readable
 - Retry button
 - Logged to monitoring
-

1 1 . Dark Mode Strategy

Use Tailwind `dark:` classes.

Must support: - Auto (system) - Manual toggle - Persist in localStorage

1 2 . Design Deliverables

Must Have

- Figma high-fidelity screens
- Component library
- Responsive variants
- Design tokens

Nice to Have

- Storybook
 - Motion specs
 - Accessibility checklist
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1 3 . Future Enhancements

- PWA installability
 - Advanced filters
 - AI insights cards
 - Real-time updates
 - Offline mode
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1 4 . Next Recommended Step

Best workflow for you:

- 1 . Create Figma wireframes
 - 2 . Build Tailwind design tokens
 - 3 . Implement component library
 - 4 . Build pages feature-by-feature
 - 5 . Add TanStack Query
 - 6 . Add charts
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If you want next-level help, I can generate:

- 🔥 Figma wireframe structure
- 🔥 Tailwind design tokens file
- 🔥 Starter component library code
- 🔥 Complete folder structure with best practices

Just say the word 🚀