4. COMPONENT LIBRARY

4.1 Exam Card (Primary Component)

The exam card is the most-seen component in the entire application. It must be:

- Scannable in 3 seconds: User sees exam name, deadline, eligibility status without reading
- Tappable with ease: Minimum 48px touch target (especially on mobile)
- Information hierarchy: Eye scans top-to-bottom: Name → Deadline → Eligibility → CTA

Card Anatomy

Element	Specifications
Container	Background: #F8F9FABorder: 1px solid #E5E7EBBorder Radius: 12pxPadding: 16pxMargin bottom: 16pxHover: Border #FF6B35 (2px), shadow 0 4px 12px rgba(0,0,0,0.08)
Exam Name	Font: Inter Semibold 18px (#1A1A1A)Line height: 1.4Max lines: 2 (truncate with ...)Example: 'SSC CGL Tier 1 2026'
Deadline Badge	Position: Top-right cornerFont: Inter Medium 14px**Logic:** • >7 days: Gray badge (#8C8C8C bg, #F1F3F5) • 3-7 days: Orange badge (#FF6B35 bg, #FFF5F2) • <3 days: Red badge (#EF4444 bg, #FEE2E2) + pulsing animationText: '7 days left'	'Tomorrow'	'Today'
Eligibility Status	Icon + Text inline (left-aligned)Eligible: ✓ Green (#10B981) 'You're eligible'Not Eligible: ✗ Red (#EF4444) 'Not eligible (Age)'Partial: ⚠ Orange (#F59E0B) 'Check requirements'Font: Inter Medium 16px
Metadata Row	Font: Inter Regular 14px (#8C8C8C)Shows: Conducting body	Total vacancies	Posted dateExample: 'SSC	2,500 vacancies	Posted 2 days ago'Separator: '	' with 8px spacing
Primary CTA Button	NOT TRACKED: Orange button 'Track This Exam'TRACKED: Gray outline button 'Tracking' (checkmark icon)Height: 44px (min touch target)Full width in cardFont: Inter Semibold 16px

Card States

State	Visual Change	When
Default	Standard card styling	Exam listed in feed
Hover	Orange border (2px) + shadow lift	Mouse over or tap hold (300ms)
New (unread)	Orange vertical bar (4px) on left edge	Exam appeared in last 3 days + user hasn't tapped it
Deadline urgent	Red deadline badge pulses (0.8s interval)	Application closes in <3 days
Disabled	Opacity 0.5, strikethrough on exam name	Application deadline passed

4.2 Buttons

Button Type	Default State	Hover State	Usage
Primary CTA	BG: #FF6B35Text: #FFFFFFBorder: noneRadius: 8pxHeight: 44px	BG: #E65A2EShadow: 0 2px 8px rgba(255,107,53,0.24)	Main actions: 'Track Exam', 'Continue', 'Get Started'
Secondary	BG: transparentText: #1A1A1ABorder: 1px #D1D5DBRadius: 8pxHeight: 44px	BG: #F8F9FABorder: 1px #8C8C8C	Less critical: 'View Details', 'Go Back', 'Cancel'
Ghost (Text only)	BG: transparentText: #5C5C5CBorder: noneUnderline on hover	Text: #1A1A1AUnderline appears	Tertiary actions: 'Skip', 'Learn More', 'Not Interested'
Disabled	BG: #F1F3F5Text: #B8B8B8Border: 1px #E5E7EBCursor: not-allowed	No change	During loading, form validation fails, etc.

CRITICAL: All buttons must have minimum 44px height for mobile touch targets (WCAG 2.5.5 AA compliance).

5. COMPLETE SCREEN DESIGNS

This section documents all 30+ screens in the ExamTracker application with pixel-perfect specifications. Each screen includes layout grid, component placement, interaction states, and responsive breakpoints.

5.1 Landing Page (Pre-Login)

Mobile Layout (320px - 768px)

Section	Content & Specs
Header	Height: 64pxBackground: #FFFFFF (sticky on scroll)Left: Logo + 'ExamTracker' wordmark (Inter Bold 20px)Right: Hamburger icon (24x24px, #1A1A1A)Border bottom: 1px solid #E5E7EB
Hero Section	Padding: 48px 24pxBackground: Linear gradient (#FFFFFF → #FFF5F2)**H1: 'Never Miss a Government Exam Deadline Again'** Font: Inter Bold 36px (#1A1A1A) Line height: 1.2 Margin bottom: 16pxSubhead: 'Track 5000+ central & state exams. Get personalized alerts for exams you're eligible for.' Font: Inter Regular 18px (#5C5C5C) Line height: 1.5 Margin bottom: 32pxCTA: Primary button 'Get Started Free' (full width)Secondary: Ghost button 'Learn More' (centered, margin top 16px)
Trust Indicators	Padding: 32px 24pxBackground: #FFFFFF3 stats in grid (2 cols on mobile): • '5000+ Exams Tracked' • '100% Free Core Features' • 'DPDPA 2023 Compliant'Each stat: Number: Inter Bold 32px (#FF6B35) Label: Inter Regular 16px (#5C5C5C)

5.2 Onboarding Flow (9 Screens)

The onboarding flow is the most critical UX in the entire application. It must feel like a conversation, not a form. Razorpay-inspired progressive disclosure.

Screen 0: Phone Number Registration

LAYOUT STRUCTURE Progress: Hidden (0/9 - user doesn't need to know upfront)Center content vertically**Welcome Message:** 'Welcome to ExamTracker 👋' Font: Inter Bold 30px (#1A1A1A) Margin bottom: 12px**Subtext:** 'Let's get you started. We'll help you find exams you're eligible for in just 2 minutes.' Font: Inter Regular 18px (#5C5C5C) Line height: 1.5 Margin bottom: 48px**Phone Input:** Label: 'Mobile Number' (Inter Medium 16px #1A1A1A) Input field: - Height: 56px   - Border: 2px solid #D1D5DB (focus: #FF6B35)   - Border radius: 8px   - Prefix: '+91' (fixed, gray box inside)   - Placeholder: '9876543210'   - Font: Inter Regular 18px   - Type: tel (numeric keyboard on mobile)Helper text: 'We'll send a 6-digit OTP to verify' Font: Inter Regular 14px (#8C8C8C) Margin top: 8pxPrimary CTA: 'Send OTP' (full width, disabled until 10 digits entered)Alternative option (centered, margin top 24px): 'Or continue with Google' (secondary button with Google icon)Footer disclaimer (small text, centered, margin top 48px): 'By continuing, you agree to our Terms & Privacy Policy' Font: Inter Regular 12px (#B8B8B8) Links underlined on hover

OTP Verification (Modal/Sheet)

Appears as bottom sheet on mobile, modal on desktop**Title: 'Enter OTP'**Subtext: 'Sent to +91 98765-43210' (last 5 digits visible, edit link)6-digit OTP input: - 6 separate boxes (not a single input) - Each box: 56x56px, centered digit - Auto-focus next box on digit entry - Auto-submit on 6th digit - Border: 2px solid #D1D5DB (active: #FF6B35)Resend timer: 'Resend OTP in 30s' (countdown, then becomes clickable link)Error state: Red border on all boxes + 'Incorrect OTP. 2 attempts remaining'

Screen 1: What Should We Call You?

Progress: 1/9 (progress bar appears now, top of screen)**Question:** 'What should we call you?' Font: Inter Bold 30px (#1A1A1A)Why we ask (info icon tooltip): 'We'll use this to personalize your exam alerts. Example: "Hi Ravi, SSC CGL deadline is tomorrow!"'Input: - Label: 'First name' - Placeholder: 'Ravi' - Height: 56px - Autofocus on load - Max 50 charactersPrimary CTA: 'Continue' (disabled until name entered)**CRITICAL: Back button appears in top-left (allows editing previous screens)**

Screen 2: Mode Selection (CRITICAL DECISION POINT)

Progress: 2/9**Question:** 'How would you like us to help?' Font: Inter Bold 30px (#1A1A1A)Subtext: 'Choose the mode that matches your goal. You can change this anytime later.' Font: Inter Regular 16px (#5C5C5C)**3 MODE CARDS (stack vertically on mobile, each full width):**Card design: - Height: auto (min 140px) - Padding: 24px - Border: 2px solid #E5E7EB - Border radius: 12px - Selected: Border #FF6B35, BG #FFF5F2 - Hover: Border #D1D5DB**CARD 1 - FOCUSED MODE** 🎯 Icon: 🎯 (left-aligned) Title: 'Focused' (Inter Bold 20px) Description: 'I know which exams I want. Just track those for me.' Best for: 'Repeat aspirants, working professionals'**CARD 2 - DISCOVERY MODE** 🔍 Icon: 🔍 Title: 'Discovery' (Inter Bold 20px) Description: 'Show me all government exams I'm eligible for right now.' Best for: 'Fresh graduates, exploring options' Badge: 'Most Popular' (orange badge, top-right)**CARD 3 - VACANCY-AWARE MODE** ✅ Icon: ✅ Title: 'Vacancy-Aware' (Inter Bold 20px) Description: 'Only show exams where MY category actually has vacancies.' Best for: 'OBC/SC/ST/EWS candidates, smart filtering' Badge: 'Unique Feature' (blue badge)Primary CTA: 'Continue with [Selected Mode]' (shows mode name dynamically)

Screen 3: Date of Birth (FIRST WOW MOMENT)

Progress: 3/9**Question: 'What's your date of birth?'**Why we ask: 'Age is the #1 eligibility criterion. We'll calculate your age on each exam's cutoff date automatically.'Date Picker: - Single scrollable date wheel (iOS/Android native style) - Format: DD / MMM / YYYY (e.g., 15 / Aug / 1998) - Default: 25 years old (1999) - Range: 16-55 years**INSTANT FEEDBACK (appears immediately on date selection):**Live preview card (green background #D1FAE5): Icon: ✓ Text: 'You are currently 26 years old' Subtext: 'Still eligible for SSC CGL, IBPS PO, Railway NTPC, and 47 more central government exams'If

age > 30: Text: 'You qualify for 23 exams including UPSC CDS, State PSC roles'If age > 40: Text: 'You qualify for teaching & PSU exams (age limit relaxed for these)'Primary CTA: 'Continue'

6. AD INTEGRATION STRATEGY

Critical Balance: Ads must generate ₹15+ lakh/month at 500K MAU while NOT destroying user experience. This requires surgical precision in placement, frequency capping, and visual design.

6.1 Ad Placement Zones

Location	Ad Format	Frequency	Design Rules
Home feed (between exam cards)	Native ad (styled like exam card)	1 ad per 7 exam cards	Same border, padding, radius as exam card'Sponsored' label (12px, #9CA3AF, top-right)BG: #FAFBFC (slightly different from #F8F9FA)
Exam detail page (bottom)	Banner 320x50 (mobile) 728x90 (desktop)	1 banner per exam detail view	Fixed to bottom (sticky)Close button (X) top-rightAppears AFTER user scrolls to 'Apply' button (not immediately)
Search results page	Native ad (coaching institute lead gen)	Top 2 results only	Yellow highlight border (#FEF3C7)'Promoted' tag instead of 'Sponsored'Only for verified coaching institutes

6.2 Ad Frequency Capping (Anti-Annoyance)

- Maximum 3 ads per session (session = continuous 15 min of activity)
- Never show same ad twice in same session
- First-time users: NO ads in first 5 minutes (onboarding + initial browse)
- Premium users: ZERO ads (even if they cancel and revert to free)
- Interstitial ads: NEVER (these destroy mobile UX)

7. IMPLEMENTATION CHECKLIST

This checklist ensures pixel-perfect implementation matching the design system:

Development Handoff

1. Set up design tokens file (colors.js, typography.js, spacing.js) matching Section 2-3
2. Build component library in Storybook (Exam Card, Buttons, Form Inputs) from Section 4
3. Implement responsive breakpoints: Mobile-first (320px+), Tablet (768px+), Desktop (1024px+)
4. Test on actual budget Android devices (Redmi, Realme, Samsung A-series) not just Chrome DevTools
5. Verify WCAG AA compliance: 4.5:1 contrast for text, 44px touch targets, keyboard navigation
6. Test onboarding flow with 10 real users before launch (measure completion rate > 80%)
7. Implement ad integration exactly as specified in Section 6 (frequency caps, visual design)

Performance Budget

Metric	Target (3G, Budget Android)
First Contentful Paint (FCP)	< 1.8s
Time to Interactive (TTI)	< 3.5s
Total Page Size (Homepage)	< 500KB
Lighthouse Performance Score	> 90

— END OF DESIGN SYSTEM DOCUMENT —

This document is a living specification. Update with each design iteration.