Technical Specifications - RENEWED App V2 Phase 1 Week 1

T Architecture Overview

Technology Stack

- Framework: Next.js 15.3.2 with App Router
- Language: TypeScript (strict mode)
- Styling: Tailwind CSS with custom sacred design system
- Animations: Framer Motion for spiritual transitions
- Authentication: Supabase Auth with custom spiritual context
- Database: Supabase with Prisma ORM
- State Management: React hooks with localStorage persistence

Sacred Design System

```
/* Sacred Color Palette */
--sacred-blue-50: hsl(220, 14%, 96%);
--sacred-blue-100: hsl(220, 13%, 91%);
--sacred-blue-600: hsl(220, 18%, 20%);
--sacred-blue-900: hsl(220, 39%, 11%);
--sacred-gold-400: hsl(45, 93%, 58%);
--sacred-gold-500: hsl(45, 93%, 47%);
--sacred-gradient: linear-gradient(135deg, #60B5FF, #FF9149);
```

Authentication System

Enhanced Components

- **Signup Page** (/src/app/signup/page.js)
- Login Page (/src/app/login/page.js)
- Auth Context (/src/contexts/AuthContext.tsx)

Spiritual Preparation Flow

```
interface SpiritualPreparation {
  title: string;
  description: string;
  icon: string;
  message: string;
}

const spiritualPreparation = [
  {
    title: "Sacred Intention",
    description: "Set your heart toward transformation",
    icon: "**",
    message: "Every spiritual journey begins with a sacred intention..."
  },
  // ... additional steps
];
```

Authentication Features

- 3-step spiritual preparation sequence
- · Enhanced loading states with sacred context
- Automatic redirect to onboarding after signup
- Sacred messaging throughout auth flow
- Responsive design with spiritual gradients

Core Components

• Dashboard Page (/src/app/dashboard/page.jsx)

m Dashboard Spiritual Foundation

- Spiritual Mindset Tracker (inline component)
- Sacred Metrics Dashboard (inline component)

Mindset Evolution System

```
interface MindsetStage {
 title: string;
 description: string;
 icon: string;
 color: string;
 gradientFrom: string;
 gradientTo: string;
 progress: number;
 characteristics: string[];
const mindsetStages = {
 natural: {
   title: 'Natural Mind',
   description: 'Beginning your journey of awareness',
   icon: ''',
   color: 'bg-emerald-500',
   // ... additional properties
 },
  // ... transition and spiritual stages
};
```

Sacred Metrics Schema

Dashboard Features

- · Real-time spiritual progress tracking
- Mindset evolution visualization
- Sacred metrics with spiritual context
- Enhanced reading progress with themes
- Responsive grid layout with animations

Navigation & Layout System

Enhanced Layout Component

- Layout Component (/src/components/Layout.tsx)
- Collapsible Navigation: 80px collapsed / 320px expanded
- Spiritual Context Integration: Progress tracking in sidebar

Sacred Navigation Schema

```
interface SacredNavigation {
   title: string;
   href: string;
   icon: string;
   description: string;
   spiritualContext: string;
   conditional?: boolean;
   featured?: boolean;
}
```

Navigation Features

- · Dynamic sidebar width with smooth transitions
- Sacred navigation items with spiritual descriptions
- · Spiritual progress indicator in sidebar header
- Enhanced sections with spiritual themes
- Breadcrumb navigation system
- Sacred user profile section

Section Enhancement

```
interface Section {
  id: number;
  title: string;
  slug: string;
  order: number;
  spiritualTheme?: string; // New spiritual context
}
```

Spiritual Design Components

Sacred UI Components

- SacredButton (/src/components/ui/sacred-button.tsx)
- SacredCard (/src/components/ui/sacred-card.tsx)
- **SacredInput** (/src/components/ui/sacred-input.tsx)

Animation System

```
// Framer Motion spiritual transitions
const spiritualVariants = {
  initial: { opacity: 0, y: 20 },
  animate: { opacity: 1, y: 0 },
  transition: { duration: 0.6, ease: "easeOut" }
};
```

Responsive Design Breakpoints

```
/* Sacred responsive system */
.sacred-container {
 @apply max-w-6xl mx-auto px-4 sm:px-6 lg:px-8;
/* Collapsible navigation */
.sidebar-expanded { width: 320px; }
.sidebar-collapsed { width: 80px; }
```

Data Persistence & State Management

localStorage Schema

```
// Spiritual metrics persistence
interface StoredSpiritualMetrics {
 totalReadingTime: number;
 reflectionsCompleted: number;
 sectionsCompleted: number;
 spiritualGrowthScore: number;
 mindsetEvolution: 'natural' | 'transition' | 'spiritual';
 lastUpdated: string;
// Onboarding data persistence
interface OnboardingData {
 assessment?: {
   spiritualReadiness: string;
 completed: boolean;
  // ... additional onboarding fields
}
```

State Management Pattern

- · React hooks for component state
- localStorage for persistence
- · Context providers for global state
- · Custom hooks for spiritual functionality

Security & Performance

TypeScript Standards

- · Strict mode enabled
- No any types in new code
- Proper type definitions for all interfaces
- Generic type safety for spiritual data

Performance Optimizations

- · Code splitting by route
- Lazy loading for enhanced components
- · Optimized bundle sizes
- Efficient re-renders with React.memo where appropriate

Security Measures

- Supabase authentication with RLS
- Secure session management
- Protected API routes
- Input validation and sanitization

Accessibility & Responsive Design

WCAG 2.1 AA Compliance

- Proper ARIA labels and descriptions
- Keyboard navigation support
- Screen reader friendly elements
- · Focus management and visual indicators
- · Sufficient color contrast ratios

Responsive Breakpoints

```
/* Mobile First Approach */
.mobile-first {
    /* Base styles for mobile */
}

@media (min-width: 640px) {
    /* Small tablets */
}

@media (min-width: 768px) {
    /* Tablets */
}

@media (min-width: 1024px) {
    /* Desktop */
}

@media (min-width: 1280px) {
    /* Large desktop */
}
```

Testing & Quality Assurance

Build Verification

• Successful Compilation: All 31 pages generating

• TypeScript Strict: Zero critical errors • Bundle Analysis: Optimized sizes

• Performance: Sub-second loading times

Quality Metrics

```
# Build output
                                Size First Load JS
Route (app)
                8.61 kB 183 kB
3.87 kB 185 kB
4.4 kB 186 kB
Route (app)
|- o /dashboard
- ○ /login
├ ○ /signup
# ... all 31 routes successful
```

Testing Strategy

- Component integration testing
- User flow validation
- · Accessibility testing
- Performance monitoring
- · Cross-device compatibility



📚 Development Guidelines

Sacred Development Principles

- 1. Spiritual Integrity First: Every component reflects transformation
- 2. Quality Over Speed: Contemplative development pace
- 3. User-Centered Sacred Design: Inclusive and accessible
- 4. Performance Consciousness: Optimized and efficient
- 5. Security as Sacred Trust: Protected and secure

Code Standards

```
// Example: Spiritual component pattern
interface SpiritualComponentProps {
 spiritualContext?: string;
 mindsetStage?: MindsetStage;
 onSacredAction?: (data: SpiritualData) => void;
const SpiritualComponent: React.FC<SpiritualComponentProps> = ({
 spiritualContext,
 mindsetStage,
 onSacredAction
}) => {
 // Component implementation with spiritual integrity
 return (
   <motion.div
     initial="initial"
      animate="animate"
     variants={spiritualVariants}
      className="sacred-component"
      {/* Sacred content */}
    </motion.div>
 );
};
```

Git Commit Convention

```
# Sacred commit format
git commit -m "* Component: Description - Sacred Context

→ Feature details:
- Spiritual enhancement 1
- Sacred improvement 2

③ Objective: [Objective name] - [Status]
Sacred development principles maintained ↓ "
```

Integration Points

Supabase Integration

- · Authentication with spiritual context
- Row Level Security (RLS) policies
- · Real-time data synchronization
- Spiritual metrics persistence

External Services

- Font loading (Playfair Display + Inter)
- Image optimization (Next.js Image)
- · Performance monitoring
- · Error tracking and reporting



Monitoring & Analytics

Performance Monitoring

- Bundle size tracking
- Page load times
- User interaction metrics
- Spiritual journey progression

Spiritual Analytics

- Mindset evolution tracking
- Sacred action completion rates
- Spiritual growth progression
- User engagement with contemplative features

*** Technical specifications maintained with spiritual integrity and contemplative care