

KingdomQuest User Experience Documentation Index

Overview

This documentation suite provides comprehensive user experience guidance for KingdomQuest, covering personas, information architecture, navigation design, user flows, permissions, and accessibility considerations for a multigenerational Christian faith app.

Document Structure

Core Documentation

User Personas

Purpose: Detailed user profiles driving design decisions

- **Emma (6-8):** Early Childhood Explorer - visual learning, safety-first
- **Marcus (9-12):** Growing Independence Seeker - challenge and achievement focus
- **Sophia (13-17):** Identity & Purpose Explorer - authentic faith exploration
- **David (35):** Family Faith Leader - efficient spiritual leadership tools
- **Margaret (72):** Wisdom Keeper & Grandmother - legacy and accessibility focus

Secondary Personas: Pastor James (Church Leader), Sarah (Sunday School Coordinator)

Information Architecture & Navigation

Purpose: Complete site structure and navigation patterns

- **Kids Mode (4-12):** Visual, adventure-focused navigation
- **Study Mode (13+):** Depth-focused, research-enabled interface

- **Adaptive Features:** Age-based adaptations and accessibility considerations
- **Cross-Mode Integration:** Family bridge features and content continuity

User Roles & Permissions

Purpose: Role-based access control and safety framework

- **Age-Based Roles:** Child (4-8, 9-12), Teen (13-17), Adult (18+), Senior (65+)
- **Family Structure:** Primary/Secondary Parents, Extended Family
- **Institutional Roles:** Church Leader, Educator, Content Moderator
- **Technical Implementation:** RBAC structure and audit compliance



User Journey Flows

All user flows are visualized as Mermaid diagrams and rendered as PNG images for easy reference.

Core User Journey

Flow: App Launch → Age Detection → Story Selection → Quest Generation → Playback → Quiz → Prayer → Family Altar

Key Decision Points:

- Age-appropriate mode selection
- Content type adaptation
- Family participation options
- Progress tracking and rewards

Offline Mode Flow

Scenario: Network unavailable or unreliable connectivity

Key Features:

- Automatic offline detection
- Priority content download
- Local progress tracking
- Smart sync conflict resolution

Low Bandwidth Flow

Scenario: Poor internet connection requiring adaptive content delivery

Key Features:

- Bandwidth assessment and adaptation
- Progressive quality reduction
- Content compression and optimization
- Emergency text-only mode

Audio-First Flow

Scenario: Low literacy users or audio-preferred experience

Key Features:

- Voice-guided navigation
- Professional narration with sound effects
- Audio-based comprehension checks
- Spoken menu systems

Screen Reader Flow

Scenario: Visual impairment requiring screen reader support

Key Features:

- Enhanced semantic structure
- ARIA label implementation
- Keyboard navigation optimization
- Text-to-speech integration

Family Altar Flow

Scenario: Family worship and discussion time

Key Features:

- Multi-generational content adaptation
 - Family assembly management
 - Discussion facilitation tools
 - Prayer leadership options
-

Design Principles by User Group

Children (Ages 4-12)

- **Visual First:** Large, colorful interfaces with minimal text
- **Safety Always:** Supervised experiences with parental oversight
- **Progress Visible:** Clear achievement indicators and rewards
- **Family Connected:** Easy sharing with parents and family members

Teens (Ages 13-17)

- **Authenticity Required:** No patronizing tone or superficial content
- **Questions Welcome:** Safe spaces for doubt and exploration
- **Community Enabled:** Peer interaction with safety measures
- **Growth Focused:** Challenge and development opportunities

Adults (Ages 18+)

- **Efficiency Valued:** Respect for time constraints and busy schedules
- **Depth Available:** Advanced theological content when desired
- **Family Oriented:** Tools for spiritual leadership of others
- **Community Connected:** Church integration and peer support

Seniors (Ages 65+)

- **Simplicity Preferred:** Clean, uncluttered interfaces
 - **Accessibility Required:** Vision, hearing, and motor considerations
 - **Wisdom Valued:** Opportunities to share knowledge and experience
 - **Tradition Respected:** Familiar approaches alongside innovation
-

Accessibility Standards

WCAG AA+ Compliance

- **Color Contrast:** Minimum 4.5:1 ratio for normal text, 3:1 for large text
- **Font Sizing:** Scalable up to 200% without loss of functionality
- **Alternative Text:** Comprehensive alt text for all images and graphics
- **Keyboard Navigation:** Full functionality available without mouse

Multi-Modal Support

- **Visual:** High contrast, large text, zoom capabilities
- **Auditory:** Screen reader optimization, audio alternatives
- **Motor:** Voice commands, switch controls, extended timeouts
- **Cognitive:** Simplified modes, clear navigation, consistent patterns

Family Accessibility Features

- **Child Safety:** Age verification, parental controls, safe browsing
 - **Senior Support:** Emergency contacts, family assistance, medical integration
 - **Multi-Language:** Primary English with Spanish, French, Portuguese support
 - **Cultural Sensitivity:** Inclusive representation across Christian traditions
-

Technical Considerations

Performance Requirements

- **Load Time:** < 3 seconds for core functionality
- **Offline Capability:** Essential features work without internet
- **Cross-Platform:** iOS, Android, web browser compatibility

- **Bandwidth Efficiency:** Adaptive content delivery for all connection types

Privacy & Security

- **COPPA Compliance:** Verified parental consent for users under 13
- **Data Minimization:** Collect only essential information for functionality
- **Family Privacy:** Secure family group management and communication
- **Content Filtering:** Age-appropriate content with parental controls

Integration Capabilities

- **Church Platforms:** Sermon integration, event coordination, pastoral care
 - **Educational Systems:** Curriculum alignment, progress reporting, teacher tools
 - **Calendar Systems:** Family schedule integration, reminder management
 - **Social Features:** Safe community interaction with robust moderation
-

Implementation Roadmap

Phase 1: Foundation (0-6 months)

- Core user flows implementation
- Basic accessibility features
- Family account structure
- Content management system

Phase 2: Enhancement (6-12 months)

- Advanced accessibility features
- Offline functionality
- Church partnership integration

- Community features with moderation

Phase 3: Expansion (12-18 months)

- Multi-language support
 - Advanced analytics and reporting
 - Educational institution partnerships
 - Enhanced family features
-

Quality Assurance

User Testing Requirements

- **Age Group Testing:** Representative users from each age category
- **Accessibility Testing:** Screen readers, keyboard navigation, cognitive load
- **Family Testing:** Multi-generational usage scenarios
- **Edge Case Testing:** Offline, low bandwidth, accessibility needs

Success Metrics

- **Engagement:** Age-appropriate engagement targets per persona
- **Accessibility:** 100% WCAG AA compliance score
- **Family Usage:** Multi-member family participation rates
- **Safety:** Zero tolerance for safety violations or inappropriate content

Feedback Integration

- **Continuous Improvement:** Regular user feedback collection and analysis
- **Community Input:** Church and educational partner feedback integration
- **Accessibility Review:** Ongoing accessibility expert consultation

- **Family Advisory:** Parent and child advisory board input
-

File Directory Structure

```
docs/
├── ia/
│   ├── personas.md          # Detailed user persona profiles
│   ├── sitemap.md          # Information architecture and
navigation
│   └── index.md             # This overview document
├── flows/
│   ├── core-user-journey.png # Main app user flow
│   ├── offline-mode-flow.png # Offline functionality flow
│   ├── low-bandwidth-flow.png # Poor connection adaptation
│   ├── audio-first-flow.png  # Low literacy/audio-first
experience
│   ├── screen-reader-flow.png # Accessibility support flow
│   └── family-altar-flow.png  # Family worship experience
└── permissions/
    └── roles.md              # User roles and permission system
```

"From generation to generation we will proclaim your praise." - Psalm 79:13

Version History

- **v1.0:** Initial user experience documentation suite
- **Date:** 2025-08-25
- **Author:** MiniMax Agent
- **Status:** Complete foundation documentation