Product Requirements Document (PRD)

Islamic Spiritual Companion App - Phase 1 MVP

1. Executive Summary & Product Vision

1.1 Product Overview

We are developing a comprehensive Islamic spiritual companion app that serves as a trusted platform for the global Muslim community. The application addresses critical pain points identified in the current market, including inaccurate prayer times, intrusive advertising, fragmented user experiences, and unreliable functionality across existing Islamic applications.

Our solution combines precise prayer time calculations with a rich Quran reading and listening experience, daily spiritual reminders, progress tracking, and essential Islamic utilities, all delivered through a clean, modern interface that respects Islamic values.

1.2 Vision Statement

To become the world's most trusted Islamic app that seamlessly integrates into Muslims' daily spiritual practice, providing accurate prayer guidance, meaningful Quran engagement, and comprehensive Islamic learning tools.

1.3 Mission Statement

Empower Muslims worldwide to strengthen their spiritual practice through technology that enhances rather than distracts from their relationship with Allah, while building a respectful community foundation for Islamic learning and growth.

1.4 Core Value Propositions

Primary Value Propositions:

- **Uncompromising Accuracy**: Prayer times calculated with ±2 (to be confirmed) minute tolerance using multiple calculation methods and high-latitude support
- **Holistic Spiritual Experience**: Integrated Quran reading, audio recitation, daily reminders, and progress tracking in one cohesive platform

- **Respectful User Experience**: Clean, ad-free interface designed with Islamic principles and family-friendly content
- **Offline-First Capability**: Core features available without internet connectivity for uninterrupted spiritual practice

Secondary Value Propositions:

- **Cross-Platform Synchronization**: Seamless experience across mobile devices and wearables
- **Community Foundation**: Built-in features for future family sharing and mosque integration
- **Cultural Sensitivity**: Multi-language support with regional customization for diverse Muslim communities

1.5 Target Market Opportunity

Primary Market:

- **Size**: 1.8+ billion Muslims globally with 500M+ smartphone users actively seeking Islamic apps
- **Growth**: Islamic app market growing at 15% annually with increased digital adoption post-2020
- **Unmet Need**: 73% of users report dissatisfaction with current prayer time accuracy and user experience

Market Gaps We Address:

1. **Accuracy Crisis**: Existing apps show prayer time discrepancies of 3-15 minutes
2. **Fragmented Experience**: Users currently need 2-3 separate apps for complete Islamic practice
3. **Privacy Concerns**: Market leader faced backlash for selling user location data
4. **Monetization Conflicts**: Users frustrated with intrusive ads during spiritual activities
5. **Reliability Issues**: Frequent bugs in prayer notifications and bookmark functionality

1.6 Key Differentiators

Immediate Differentiators (Phase 1):

- **Transparent Calculation Engine**: Multiple prayer time methods with user calibration options
- **Unified Spiritual Dashboard**: Combined prayer tracking, Quran progress, and daily spiritual goals

- **Quality-First Audio Library**: Curated collection of 100+ renowned reciters with error-free recitations
- **Smart Offline Functionality**: 30-day precomputed prayer times and downloadable Quran content
- **Respectful Design**: No disruptive ads or inappropriate content, family-safe environment

Platform Integration:

- **Mobile-First Design**: Optimized for daily use with intuitive navigation and quick access to core features
- **Wearable Enhancement**: Apple Watch and Wear OS apps for prayer reminders and quick access
- **Smart Notifications**: Context-aware alerts that respect user preferences and local customs

4. Product Requirements Overview

4.1 Product Requirements Framework

4.1.1 Requirement Categories

Our product requirements are organized into six core functional areas, each designed to address specific user needs identified in our market research and persona analysis:

Core Functional Areas

1. **Prayer Times & Adhan System** - Accurate prayer scheduling and notifications
2. **Quran Reading & Audio Platform** - Comprehensive Quran engagement experience
3. **Spiritual Progress Tracking** - Personal development and goal management
4. **Islamic Content & Learning** - Daily educational and spiritual content
5. **Quick Tools & Utilities** - Essential Islamic tools and references
6. **Community Features** - Foundation for family and mosque integration

Supporting System Areas

7. **Personalization & Settings** - User customization and preferences
8. **Cross-Platform Integration** - Mobile, watch, and device synchronization
9. **Privacy & Security** - Data protection and user trust
10. **Performance & Reliability** - Technical excellence and user experience

4.1.2 Requirement Priority Framework

P0 - Critical (Must Have for Launch)

- Features that address core user pain points identified in market research
- Essential for basic Islamic practice (prayer times, Quran access)
- Required for user trust and safety (privacy, accuracy)
- **Success Criteria**: App is unusable without these features

P1 - Important (Should Have for Launch)

- Features that differentiate us from competitors
- Enhance user engagement and retention
- Support key user workflows and scenarios
- **Success Criteria**: Significantly improves user experience

P2 - Nice to Have (Could Have for Launch)

- Features that add polish and convenience
- Support edge cases or advanced user needs
- Provide foundation for future enhancements
- **Success Criteria**: Adds value but not essential for launch

P3 - Future Enhancement (Won't Have in Phase 1)

- Features planned for Phase 2 or later
- Require additional research or development
- Depend on user feedback and market validation
- **Success Criteria**: Clear roadmap for future implementation

4.2 High-Level Requirements Summary

4.2.1 Phase 1 MVP Requirements Overview

Prayer Times & Adhan System (P0)

- **Core**: Accurate prayer time calculation with multiple methods
- **Notifications**: Full Adhan playback with customizable alerts
- **Calibration**: User-adjustable offsets and manual corrections
- **Special Days**: Automatic Ramadan, Ashura, and Arafah handling
- **Watch Integration**: Prayer times and notifications on wearables

Quran Reading & Audio Platform (P0)

- **Text**: Complete Quran with 50+ translations
- **Audio**: 100+ reciters with offline download capability
- **Navigation**: Bookmarks, playlists, and resume functionality

- **Progress**: Reading tracking and goal management
- **Accessibility**: Multiple font sizes

Spiritual Progress Tracking (P1)

- **Daily Dashboard**: Prayer completion, Quran reading, Athkar progress
- **Streaks**: Continuous practice tracking and motivation
- **Goals**: Customizable spiritual objectives and milestones
- **Analytics**: Weekly and monthly progress insights
- **Achievements**: Recognition for consistent practice

Islamic Content & Learning (P1)

- **Daily Content**: Hadith, Athkar, and Prophet's character reminders
- **Educational**: Accessible Islamic knowledge and explanations
- **Scheduling**: Morning/evening Athkar and special occasion reminders
- **Quality**: Authentic sources with proper attribution
- **Variety**: Rotating content to maintain engagement

Quick Tools & Utilities (P1)

- **Qibla Direction**: Accurate compass with distance to Mecca
- **Digital Tasbeeh**: Counter with goal setting and tracking
- **Mosque Locator**: Nearby mosque finder with basic information
- **Islamic Calendar**: Hijri dates with special occasion highlighting
- **Prayer Mat**: Digital compass and Qibla overlay

Community Features (P2)

- **Account System**: User registration for data sync and features
- **Local Events**: Islamic calendar events and community notifications
- **Mosque Integration**: Basic mosque information and prayer times
- **Family Foundation**: Groundwork for future family sharing features
- **Social Preparation**: Framework for future community features

4.2.2 Detailed Requirements by Functional Area

Prayer Times & Adhan System (P0 - Critical)

Core Calculation Engine

- **Multiple Calculation Methods**: Support for MWL, ISNA, Umm al-Qura, Karachi, Tehran, and custom methods
- **High-Latitude Rules**: Angle-based, midnight, and one-seventh methods for northern regions (Could be phase 2)
- **Accuracy Guarantee**: ±2 minute tolerance verified against authoritative sources

- **Local Calibration**: User-adjustable offsets per prayer with mosque-based verification
- **Time Zone Handling**: Automatic detection with manual override capability

Prayer Notifications

- **Full Adhan Playback**: Complete call to prayer audio without interruption
- **Multiple Muezzin Voices**: 20+ authenticated Adhan reciters from different regions
- **Customizable Alerts**: Per-prayer notification settings (Adhan, beep, vibration, silent)
- **Smart Scheduling**: Respect device Do Not Disturb and silent mode preferences
- **Backup Notifications**: Secondary alerts for missed prayer reminders

Advanced Features

- **Iqama Countdowns**: Configurable delays between Adhan and prayer start
- **Travel Mode**: Automatic Qasr (shortened) prayer detection for travelers
- **Congregation Alerts**: Optional reminders for Jumu'ah and community prayers
- **Special Prayers**: Eid, Eclipse, and other special prayer time calculations
- **Prayer Tracking**: Mark prayers as completed with streak maintenance

Future Evolution (Phase 2+)

- **AI-Enhanced Timing**: Machine learning for location-specific accuracy improvements
- **Community Sync**: Mosque-verified prayer times for local congregations
- **Smart Context**: Automatic silent mode during meetings/events

Quran Reading & Audio Platform (P0 - Critical)

Quran Text Interface

- **Complete Mushaf**: All 114 Surahs with proper Arabic typography and Tajweed markings
- **Multi-Language Support**: 50+ translations including English, Urdu, French, Indonesian, Turkish
- **Tafseer Integration**: Basic commentary from Ibn Kathir and Al-Jalalayn
- **Verse Navigation**: Jump to any Surah/Ayah with search functionality
- **Reading Modes**: Arabic-only, translation-only, and side-by-side display

Audio Recitation System

- **Reciter Library**: 100+ renowned Qaris including Al-Sudais, Mishary, Al-Husary, Al-Afasy
- **Quality Standards**: High-definition audio
- **Playback Controls**: Play, pause, repeat verse, repeat Surah, shuffle playlists
- **Synchronized Highlighting**: Real-time verse highlighting during audio playback

Offline Capabilities

- **Download Packs**: Complete Surahs, Juz sections, or custom selections offline

- **Storage Management**: Smart compression with quality preservation
- **Sync Management**: Cross-device offline content synchronization
- **Bandwidth Optimization**: Progressive download and background sync
- **Storage Limits**: User-configurable limits with smart cleanup

Personal Features

- **Bookmarks**: Save favorite verses with personal notes and categorization
- **Reading History**: Track last read position with automatic resume
- **Progress Tracking**: Daily reading goals and completion statistics
- **Custom Playlists**: Create themed collections for different occasions
- **Reading Streaks**: Consecutive days of Quran engagement tracking

Accessibility Features

- **Font Scaling**: 50% to 200% text size adjustment
- **Dyslexic Support**: OpenDyslexic font option for improved readability (To be confirmed)
- **Color Themes**: High contrast and night mode options
- **Voice Control**: Basic voice navigation for hands-free operation
- **Screen Reader**: VoiceOver and TalkBack compatibility

Future Evolution (Phase 2+)

- **AI Recitation Feedback**: Tajweed guidance and pronunciation correction
- **Multi-Source Tafseer**: Comparative commentary from multiple scholars
- **Interactive Learning**: Verse-by-verse study modes with explanations

Spiritual Progress Tracking (P1 - Important)

Daily Dashboard

- **Prayer Completion**: Visual tracking of five daily prayers with completion rings
- **Quran Progress**: Reading time, verses completed, and current position
- **Athkar Status**: Morning and evening remembrance completion
- **Tasbeeh Counting**: Daily dhikr goals and progress tracking
- **Overall Score**: Composite spiritual activity score (0-100%)

Progress Analytics

- **Weekly Summary**: 7-day prayer consistency, Quran engagement, and goal achievement
- **Monthly Trends**: Long-term pattern analysis and improvement insights
- **Streak Tracking**: Consecutive days of complete Islamic practice
- **Goal Management**: Customizable spiritual objectives with milestone tracking
- **Achievement System**: Badges and recognition for consistent practice

Motivation Features

- **Daily Motivation**: Inspirational verses and Hadith based on progress
- **Gentle Reminders**: Encouraging notifications for missed activities
- **Progress Sharing**: Option to share achievements with family members
- **Challenge Mode**: 7, 30, and 90-day spiritual challenges
- **Recovery Support**: Gentle re-engagement after missed days

Data Visualization

- **Progress Rings**: Apple Watch-style circular progress indicators
- **Calendar View**: Monthly overview with color-coded activity levels
- **Trend Charts**: Visual representation of spiritual practice consistency
- **Milestone Timeline**: Journey view of spiritual achievement progress
- **Comparative Analytics**: Personal improvement over time

Future Evolution (Phase 2+)

- **AI Insights**: Personalized recommendations based on practice patterns
- **Family Challenges**: Shared goals and friendly competition
- **Community Comparison**: Anonymous benchmarking with similar users

Islamic Content & Learning (P1 - Important)

Daily Spiritual Content

- **Hadith of the Day**: Authentic sayings with source verification and explanation
- **Athkar Reminders**: Morning (after Fajr) and evening (after Maghrib) remembrances
- **Prophet's Character**: Weekly stories highlighting Muhammad's (PBUH) exemplary behavior
- **Quranic Wisdom**: Daily verse with context and practical application
- **Du'a Collection**: Supplications for specific situations and needs

Educational Components

- **Islamic Basics**: Fundamental concepts for new and learning Muslims
- **Tajweed Guidance**: Basic pronunciation rules with audio examples
- **Islamic Calendar**: Hijri dates with historical significance and observances
- **Pillar Explanations**: Detailed guidance on five pillars of Islam
- **Etiquette Lessons**: Islamic manners and social guidelines

Special Occasions

- **Ramadan Content**: Daily fasting reminders, Iftar duas, and Taraweeh information
- **Eid Preparations**: Holiday guidance, prayers, and celebration customs
- **Sacred Months**: Muharram, Rajab, and Sha'ban special content

- **Friday Specials**: Jumu'ah preparation reminders and post-prayer supplications
- **Monday/Thursday**: Sunnah fasting reminders and related spiritual content

Content Quality Standards

- **Source Authentication**: All content verified against reliable Islamic sources
- **Scholar Review**: Religious content reviewed by qualified Islamic scholars
- **Multiple Perspectives**: Acknowledgment of different scholarly opinions where applicable
- **Language Adaptation**: Culturally appropriate translations and explanations
- **Regular Updates**: Fresh content rotation to maintain engagement

Future Evolution (Phase 2+)

- **Personalized Learning**: Content adapted to user's knowledge level and interests
- **Interactive Stories**: Multimedia Seerah and Islamic history experiences
- **Scholarly Q&A**: AI-powered responses to common Islamic questions

Quick Tools & Utilities (P1 - Important)

Qibla Direction System

- **Accurate Compass**: GPS-based direction to Mecca with degree precision
- **Distance Display**: Kilometers/miles to Kaaba with travel time estimates
- **Calibration Tools**: Manual compass adjustment for magnetic interference
- **Location Memory**: Saved locations with stored Qibla directions

Digital Tasbeeh Counter

- **Multiple Counters**: Separate counters for different dhikr types
- **Goal Setting**: Daily and session-based counting objectives
- **Vibration Feedback**: Haptic confirmation for each count increment
- **Popular Dhikr**: Pre-loaded common remembrances with recommended counts
- **Session History**: Track daily and weekly Tasbeeh completion

Mosque & Community Locator

- **Nearby Mosques**: GPS-based mosque finder with distance and directions
- **Basic Information**: Prayer times, contact details, and facility information
- **User Contributions**: Community-driven mosque information updates
- **Prayer Space Finder**: Locate prayer rooms in airports, malls, and public spaces
- **Halal Locator**: Basic halal restaurant and food location service

Islamic Reference Tools

- **Hijri Calendar**: Current Islamic date with conversion tools

- **Prayer Time Calculator**: Manual calculation for any global location
- **Zakat Calculator**: Basic wealth-based charity calculation tools
- **Islamic Clock**: Current time in Mecca and Medina
- **Ramadan Tracker**: Fasting countdown and Iftar timing

Widget Integration

- **Prayer Times Widget**: Home screen display of next prayer countdown
- **Progress Widget**: Quick view of daily spiritual progress
- **Qibla Widget**: One-tap access to direction compass
- **Today's Content**: Daily Hadith and reminder display
- **Quick Actions**: Direct access to Tasbeeh and prayer tracking

Future Evolution (Phase 2+)

- **Augmented Reality**: Enhanced AR experiences for Qibla and Islamic history
- **Community Integration**: Real-time mosque congregation information
- **Smart Location**: Context-aware tool suggestions based on location

Community Features (P2 - Nice to Have)

Account & Profile System

- **User Registration**: Email/phone-based account creation for data sync
- **Profile Management**: Basic personal information and Islamic practice preferences
- **Privacy Controls**: Granular settings for data sharing and visibility
- **Data Synchronization**: Cross-device progress and settings sync
- **Account Recovery**: Secure password reset and account restoration

Local Islamic Community

- **Event Calendar**: Local Islamic events, lectures, and community gatherings
- **Mosque Profiles**: Detailed information about local Islamic centers
- **Community Announcements**: Important local Islamic community news
- **Event Reminders**: Notifications for upcoming Islamic occasions
- **Local Resources**: Islamic schools, halal businesses, and services

Foundation for Family Features

- **Family Account Structure**: Framework for parent-child account linking
- **Content Filtering**: Age-appropriate content selection and parental controls
- **Shared Goals**: Basic family spiritual goal setting and tracking
- **Safe Sharing**: Family-only progress sharing and encouragement
- **Child Accounts**: Simplified interface for young family members

Social Infrastructure

- **Achievement Sharing**: Option to share spiritual milestones
- **Community Challenges**: Group-based spiritual practice challenges
- **Local Connections**: Find other practicing Muslims in the area
- **Study Groups**: Framework for virtual Islamic study circles
- **Mentorship**: Connect learning Muslims with experienced practitioners

Future Evolution (Phase 2+)

- **Full Family Mode**: Comprehensive family Islamic practice coordination
- **Mosque Synchronization**: Real-time integration with local Islamic centers
- **Social Learning**: Community-driven Islamic education and discussion
- **Global Community**: Connect with Muslims worldwide for learning and support

4.3 Technical Requirements Summary

4.3.1 Performance Standards

- **App Launch Time**: <3 seconds on standard devices
- **Offline Functionality**: Core features available without internet
- **Battery Optimization**: Minimal impact on device battery life
- **Memory Usage**: <200MB for base app, + configurable for offline content

4.3.2 Platform Support

- **Mobile**: iOS 15+ and Android 8+ with full feature parity
- **Wearables**: Apple Watch 6+ and Wear OS 3+ with core features
- **Cross-Platform**: Seamless data sync across all devices
- **Future Compatibility**: Architecture ready for future OS versions

4.3.3 Security & Privacy

- **Data Encryption**: All user data encrypted in transit and at rest
- **Minimal Data Collection**: Only essential information collected with explicit consent
- **Transparent Privacy**: Clear, accessible privacy policy in multiple languages
- **User Control**: Complete control over data sharing and account deletion