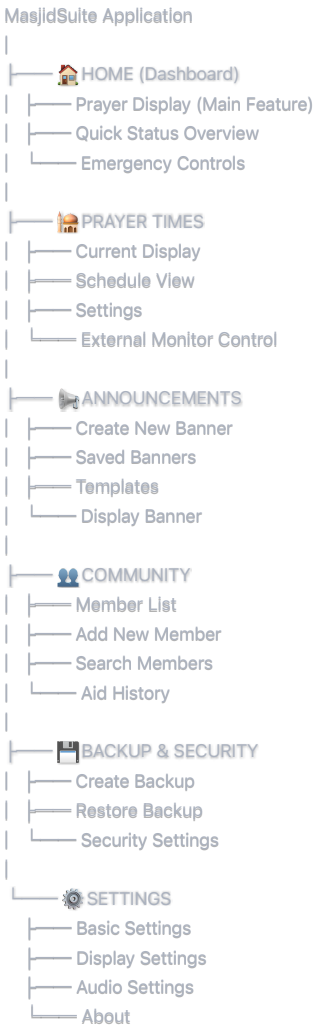# MasjidSuite - Sitemap & UX Guide for Non-Tech/Elderly Users

🎯 TARGET USER PROFILE

Primary User: Imam/Mosque Committee (40-70 years old)

- **Tech Comfort**: Low to moderate
- **Vision**: May need reading glasses
- **Motor Skills**: Prefer larger click targets
- **Cognitive Load**: Prefer simple, predictable interfaces
- **Language**: English + basic Arabic terms
- **Goals**: Complete tasks quickly without confusion

📋 SITE MAP STRUCTURE

```
MasjidSuite Application
|
├────── 🏠 HOME (Dashboard)
|     ├───── Prayer Display (Main Feature)
|     ├───── Quick Status Overview
|     └───── Emergency Controls
|
├────── 🕌 PRAYER TIMES
|     ├───── Current Display
|     ├───── Schedule View
|     ├───── Settings
|     └───── External Monitor Control
|
├────── 📣 ANNOUNCEMENTS
|     ├───── Create New Banner
|     ├───── Saved Banners
|     ├───── Templates
|     └───── Display Banner
|
├────── 👥 COMMUNITY
|     ├───── Member List
|     ├───── Add New Member
|     ├───── Search Members
|     └───── Aid History
|
├────── 💾 BACKUP & SECURITY
|     ├───── Create Backup
|     ├───── Restore Backup
|     └───── Security Settings
|
└────── ⚙️ SETTINGS
      ├───── Basic Settings
      ├───── Display Settings
      ├───── Audio Settings
      └───── About
```

🎨 ELDERLY-FRIENDLY UX DESIGN PRINCIPLES

1. VISUAL HIERARCHY

Font Sizes:
- Headers: 32px (extra large)
- Body text: 18px (large)
- Buttons: 20px (large)
- Labels: 16px (medium)

Color Scheme:
- Primary: Dark green (#0D5D3D) - Islamic, high contrast
- Secondary: Gold (#B8860B) - Elegant, visible
- Background: Off-white (#FAFAFA) - Reduces eye strain
- Text: Dark gray (#333333) - Easy to read
- Error: Red (#D32F2F) - Clear danger indication
- Success: Green (#388E3C) - Positive feedback

2. SPACING & LAYOUT

Button Specifications:
- Minimum size: 60px height × 120px width
- Padding: 16px vertical, 24px horizontal
- Spacing between elements: 24px minimum
- Click targets: 44px minimum (accessibility standard)

Layout Rules:
- Maximum 3 main actions per screen
- Single column layout preferred
- Generous white space
- Clear visual separation between sections

3. NAVIGATION PATTERNS

Primary Navigation:
- Large, clearly labeled buttons
- Icons + text labels (never icons alone)
- Breadcrumb trail on every page
- "Back" button always visible
- Home button always accessible

🏠 DETAILED SCREEN SPECIFICATIONS

HOME DASHBOARD

```
| 🕌 MasjidSuite          📅 03 Jul 2025   |
|                              |
|       🕐 NEXT PRAYER: MAGHRIB      |
|           19:15 (2h 34m)      |
|                              |
|  [                  ] [         ] [        ]
|                              |
|  | 🕌 PRAYER | | 📢 ANNOUNCE | | 👥 COMMUNITY |  |
|  | TIMES  | | MENTS  | |    |  |
|                              |
|                    |
|  [                  ] [         ] [        ]
|                              |
|  | 💾 BACKUP | | ⚙️ SETTINGS | | 🆘 HELP |  |  |
|  | |  | | | |  |  |
|                              |
|                              |
|       🔊 Audio: ON 🖥️ Display: CONNECTED    |
```

Key Features:

- **Large prayer countdown** (most important info)
- **6 main sections** (maximum cognitive load)
- **Status indicators** (audio/display working)
- **Emergency controls** accessible
- **Current date/time** always visible

PRAYER TIMES SCREEN

TODAY'S PRAYERS

FAJR	DHUHR	ASR	MAGHRIB	ISHA	CURRENT
05:45	13:15	16:30	19:15	20:30	
			← NEXT		16:41

| 🔊 TEST AZAN | 🖥 SHOW DISPLAY |

| ⚙️ SETTINGS | 📅 SCHEDULE |

Key Features:

- **Clear prayer schedule** with current time
- **Next prayer highlighted** visually
- **Test controls** for verification
- **Simple 4-button layout**
- **Breadcrumb navigation**

ANNOUNCEMENT CREATOR

CREATE ANNOUNCEMENT

Event Title:

| Friday Lecture |

Date & Time:

| 2025-07-04 | | 20:00 |

Location:

| Main Hall |

Speaker:

| Ustaz Ahmad |

| 👁 PREVIEW | 💾 SAVE & SHOW |

Key Features:

- **One task per screen** (create announcement)
- **Large input fields** with clear labels
- **Optional fields** clearly marked
- **Preview before finalizing**
- **Simple save/show workflow**

COMMUNITY DATABASE

Search:

| Enter name or address... | | 🔍 SEARCH |

| ALI BIN HASSAN   [EDIT] |
| 012-3456789 | Kg Seri Aman | Family: 6 |
| Last Aid: Rice (March 2025) |

| SITI AMINAH   [EDIT] |
| 019-7654321 | Tmn Damai | Family: 3 |
| Last Aid: Korban meat (April 2025) |

| ➕ ADD NEW | | 📊 AID REPORT |

🔒 SECURITY QUESTIONS REQUIRED

Question 1: What is your favorite color?

| blue |

Question 2: What is your favorite animal?

| cat |

Question 3: What is the developer's name?

| [Your Name] |

| 🔒 UNLOCK | | ❌ CANCEL |

Key Features:

- **Simple search** (primary task)
- **Card-based layout** (easy scanning)
- **Essential info only** (name, contact, family size)
- **Clear action buttons**
- **Edit access** for corrections

BACKUP & SECURITY

After Security Questions:

| 🏠 Home > 💾 Backup & Security |

BACKUP OPERATIONS

| 💾 CREATE BACKUP |
| Save all data to secure file |
| Last backup: 2025-07-01 (2 days ago) |

| 📁 RESTORE BACKUP |
| Load data from backup file |
| ⚠️ This will replace current data |

| 📋 BACKUP HISTORY |
| View previous backup operations |
| 3 successful backups this month |

Key Features:

- **Security gate** (protect sensitive operations)
- **Clear explanations** for each option
- **Warning messages** for destructive operations
- **Status information** (when last backup was made)
- **Simple unlock/cancel** workflow

🎯 ELDERLY-SPECIFIC UX PATTERNS

1. CONFIRMATION DIALOGS

| ⚠️ CONFIRM ACTION |

Are you sure you want to restore backup?

This will replace all current data

| ✅ YES, RESTORE | | ❌ NO, CANCEL |

2. SUCCESS FEEDBACK

| ✅ SUCCESS |

Backup created successfully!

File saved: mosque-backup-2025-07-03.mosbak

| 🏠 HOME | | 💾 BACKUP AGAIN |

3. ERROR HANDLING

```
┌─────────────────────────────────────────┐
│    ❌ ERROR              │               │
├─────────────────────────────────────────┤
│                         │               │
│     Could not create backup file    │   │
│                         │               │
│     Please check if disk has enough space  │
│                         │               │
│  ┌──────────────────────┐ ┌──────────────┐ │
│  │ 🔄 TRY AGAIN │ 🆘 GET HELP │ │          │ │
│  └──────────────────────┘ └──────────────┘ │
│                         │               │
└─────────────────────────────────────────┘
```

🔄 TASK FLOWS FOR COMMON OPERATIONS

FLOW 1: CREATE ANNOUNCEMENT

Start → Home Dashboard
↓
Click "📢 ANNOUNCEMENTS"
↓
Click "➕ CREATE NEW"
↓
Fill form fields (4 fields max)
↓
Click "👁 PREVIEW"
↓
Review banner preview
↓
Click "💾 SAVE & SHOW"
↓
Success confirmation
↓
Auto-display on external monitor

UX Considerations:

- **Maximum 4 clicks** to complete task
- **Each step clearly labeled**
- **Preview before committing**
- **Automatic display** (no additional steps)

FLOW 2: ADD COMMUNITY MEMBER

Start → Home Dashboard
↓
Click "👥 COMMUNITY"
↓
Click "➕ ADD NEW"
↓
Fill member details (name, contact, address)
↓
Click "💾 SAVE MEMBER"
↓
Success confirmation
↓
Return to member list (new member visible)

UX Considerations:

- **Required fields clearly marked**
- **Optional fields** at bottom
- **Immediate feedback** (member appears in list)
- **No complex validation** (simple format checks only)

FLOW 3: BACKUP DATA

Start → Home Dashboard
↓
Click "💾 BACKUP & SECURITY"
↓
Security questions screen
↓
Enter 3 security answers
↓
Click "🔒 UNLOCK"
↓
Click "💾 CREATE BACKUP"
↓
Choose save location
↓
Backup progress indicator
↓
Success confirmation with filename

UX Considerations:

- **Security gate** protects sensitive operations
- **Clear progress indication**
- **File location** shown to user
- **Success message** includes filename for reference

🛡️ CRITICAL UX REQUIREMENTS

1. KEYBOARD NAVIGATION

Tab Order Priority:
1. Main navigation buttons
2. Primary action buttons
3. Form fields (top to bottom)
4. Secondary actions
5. Cancel/back buttons

All interactive elements must be keyboard accessible
Focus indicators must be clearly visible
Skip links for screen readers

2. TOUCH TARGETS

Minimum Requirements:
- Button height: 60px
- Button width: 120px
- Touch target: 44px minimum
- Spacing between targets: 8px minimum
- Hover states: Clear visual feedback

3. TYPOGRAPHY

Font Stack:
Primary: "Segoe UI", Tahoma, Geneva, Verdana, sans-serif
Arabic: "Noto Sans Arabic", "Traditional Arabic", sans-serif
Monospace: "Courier New", monospace (for times/dates)

Reading Level:
- 6th grade reading level maximum
- Simple, clear language
- Avoid technical jargon
- Use familiar terms

4. COLOR ACCESSIBILITY

Contrast Ratios:
- Normal text: 4.5:1 minimum
- Large text: 3:1 minimum
- Interactive elements: 4.5:1 minimum
- Color blind friendly palette
- Never rely on color alone for information

📱 RESPONSIVE DESIGN NOTES

PRIMARY DISPLAY (Desktop)

- **Resolution**: 1920x1080 (most common)
- **Scaling**: 100% (no zoom required)
- **Window**: Maximized by default
- **External Monitor**: 1920x1080 or 1366x768

SECONDARY DISPLAYS

- **Control Panel**: 1024x768 minimum
- **Prayer Display**: Full screen on external monitor
- **Banner Display**: Full screen presentation mode

LAYOUT PRINCIPLES

- **Single column** layout preferred
- **Fixed width** content areas (no fluid layouts)
- **Generous margins** (20% of screen width)
- **Predictable positioning** (no floating elements)

🎨 VISUAL DESIGN SPECIFICATIONS

COLOR PALETTE

css

```css
:root {
  /* Primary Colors */
  --mosque-green: #0D5D3D;
  --mosque-gold: #B8860B;
  --background: #FAFAFA;
  --text-primary: #333333;

  /* Status Colors */
  --success: #388E3C;
  --warning: #F57C00;
  --error: #D32F2F;
  --info: #1976D2;

  /* Interactive Colors */
  --button-primary: #0D5D3D;
  --button-secondary: #757575;
  --button-hover: #1B5E20;
  --input-border: #BDBDBD;
  --input-focus: #0D5D3D;
}
```

TYPOGRAPHY SCALE

css

```css
.text-huge { font-size: 48px; line-height: 1.2; } /* Prayer countdown */
.text-large { font-size: 32px; line-height: 1.3; } /* Page headers */
.text-medium { font-size: 20px; line-height: 1.4; } /* Buttons */
.text-normal { font-size: 18px; line-height: 1.5; } /* Body text */
.text-small { font-size: 16px; line-height: 1.5; } /* Labels */
```

SPACING SYSTEM

css

```css
.spacing-xs { margin/padding: 8px; }
.spacing-sm { margin/padding: 16px; }
.spacing-md { margin/padding: 24px; }
.spacing-lg { margin/padding: 32px; }
.spacing-xl { margin/padding: 48px; }
```

🎯 CURSOR AI IMPLEMENTATION NOTES

COMPONENT STRUCTURE

```
src/
├── components/
│   ├── Layout/
│   │   ├── Header.tsx
│   │   ├── Sidebar.tsx
│   │   └── MainContent.tsx
│   ├── Prayer/
│   │   ├── PrayerDisplay.tsx
│   │   ├── PrayerTimes.tsx
│   │   └── PrayerSettings.tsx
│   ├── Announcements/
│   │   ├── AnnouncementCreator.tsx
│   │   ├── BannerPreview.tsx
│   │   └── TemplateSelector.tsx
│   ├── Community/
│   │   ├── MemberList.tsx
│   │   ├── MemberForm.tsx
│   │   └── SearchBar.tsx
│   ├── Backup/
│   │   ├── SecurityQuestions.tsx
│   │   ├── BackupManager.tsx
│   │   └── RestoreManager.tsx
│   └── UI/
│       ├── Button.tsx
│       ├── Input.tsx
│       ├── Modal.tsx
│       └── Card.tsx
```

ROUTING STRUCTURE

javascript

```javascript
const routes = [
  { path: '/', component: Dashboard },
  { path: '/prayer', component: PrayerTimes },
  { path: '/announcements', component: Announcements },
  { path: '/announcements/create', component: AnnouncementCreator },
  { path: '/community', component: Community },
  { path: '/community/add', component: AddMember },
  { path: '/backup', component: BackupSecurity },
  { path: '/settings', component: Settings }
];
```

STATE MANAGEMENT

typescript

```typescript
interface AppState {
  // Prayer data
  prayerTimes: PrayerTime[];
  currentPrayer: string;
  nextPrayer: string;

  // Community data
  members: CommunityMember[];
  aidHistory: AidRecord[];

  // App settings
  settings: AppSettings;

  // UI state
  isSecurityUnlocked: boolean;
  activeScreen: string;
  isFullscreen: boolean;
}
```

✅FINAL IMPLEMENTATION CHECKLIST

ACCESSIBILITY

- [ ] All buttons have 60px minimum height
- [ ] Text contrast ratio meets WCAG 2.1 AA standards
- [ ] Keyboard navigation works for all features
- [ ] Focus indicators clearly visible
- [ ] Screen reader friendly markup
- [ ] No reliance on color alone for information

ELDERLY-FRIENDLY UX

- [ ] Font size minimum 18px for body text
- [ ] Simple, single-column layouts
- [ ] Maximum 3 primary actions per screen
- [ ] Clear breadcrumb navigation
- [ ] Confirmation dialogs for destructive actions
- [ ] Success/error feedback always visible

FUNCTIONALITY

- [ ] Prayer times calculate correctly
- [ ] Azan plays automatically
- [ ] Announcements display on external monitor
- [ ] Community database supports 1000+ members
- [ ] Backup/restore works reliably
- [ ] Security questions protect sensitive data

PERFORMANCE

- [ ] Application starts in under 5 seconds
- [ ] UI responds within 200ms
- [ ] No memory leaks during 24-hour operation
- [ ] Handles power outages gracefully
- [ ] Works completely offline

END OF SITEMAP & UX GUIDE

This specification provides Cursor AI with a complete roadmap for building an elderly-friendly mosque management system with predictable, accessible, and intuitive user experience.