General Wallet Structure

```
                                                    ┌──────────────┐
                                                    │ Connection   │
                                                    │ Details      │
                                                    └──────────────┘
Any relevant configuration                          ┌──────────────┐
settings can be managed        ┌──────────┐  ┌─────────┐  │ Credential   │
here, eg cloud backup,         │ Settings │←─│ Wallet  │←─│ Details      │
network selector, exporting    └──────────┘  │ Profile │→─│ History │→─┤
wallet info, and security                     └─────────┘  └─────────┘  │
                                                    ┌──────────────┐
                                                    │ Verification │
                                                    │ Details      │
                                                    └──────────────┘
```

Structure:

- **Verification Request** ← Scan Code ← Wallet (Home) - Actions and Credentials
- **Connection Invitation** ← Scan Code ← Wallet (Home)
- **Credential Offer** ← Wallet (Home)
- Wallet (Home) → **Credential** → **Credential Details**
- Wallet (Home) → **Connections** → **Connection Details** → **Send Message**
- **Connection Details** → **Share Credential**
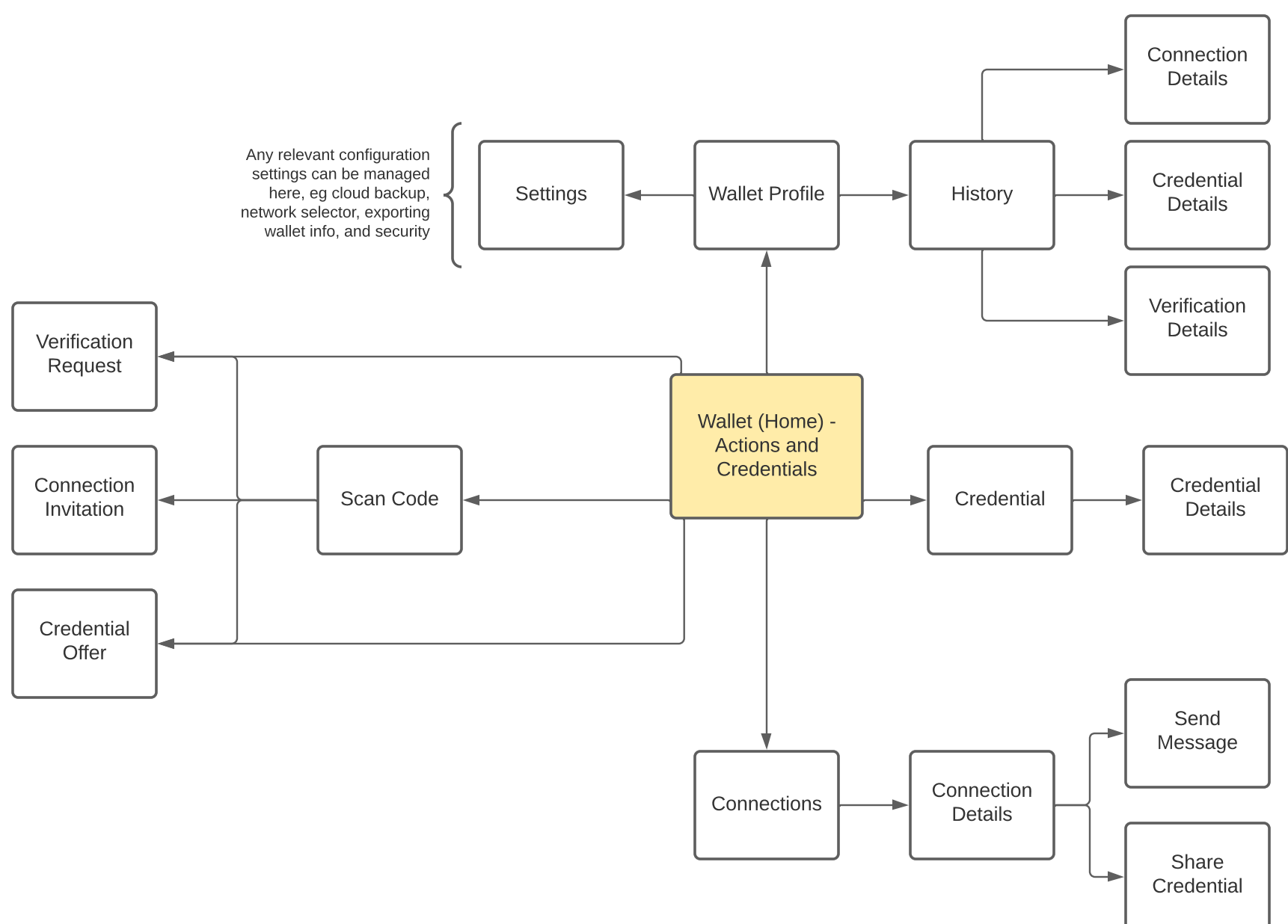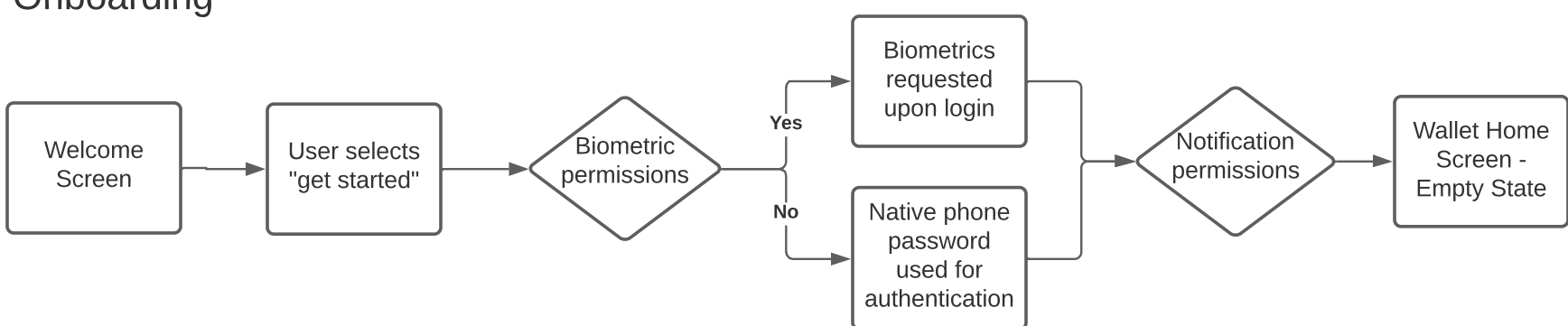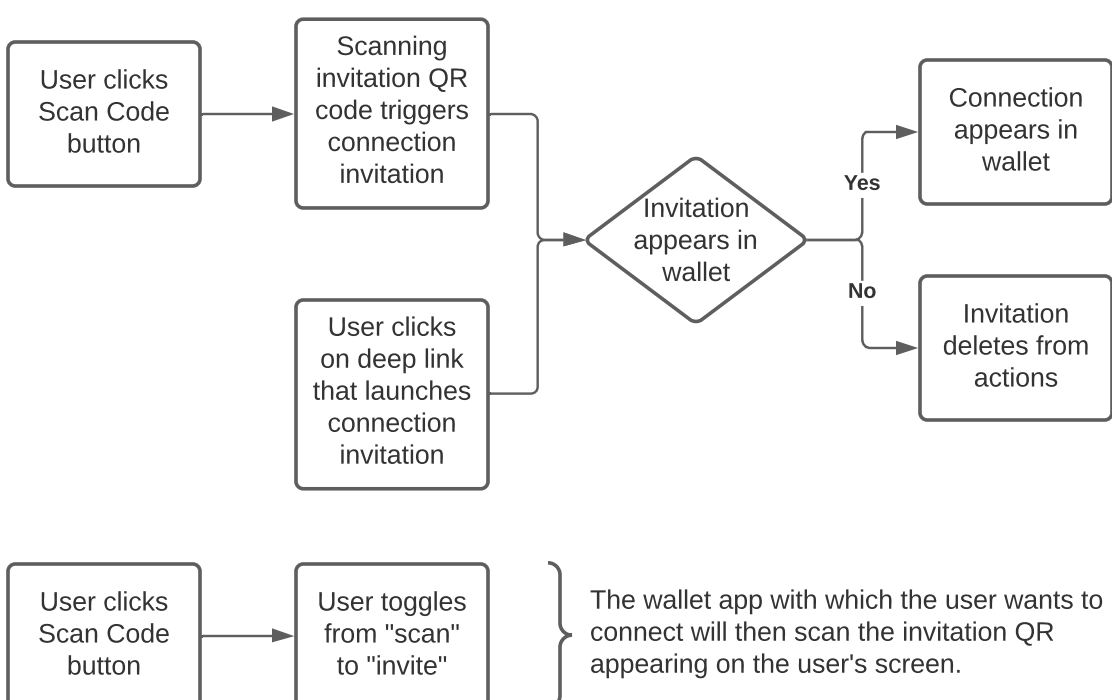
User Flow Map

These flows (specifically onboarding) are designed for a mobile app, but the core flows can apply to any format of application.
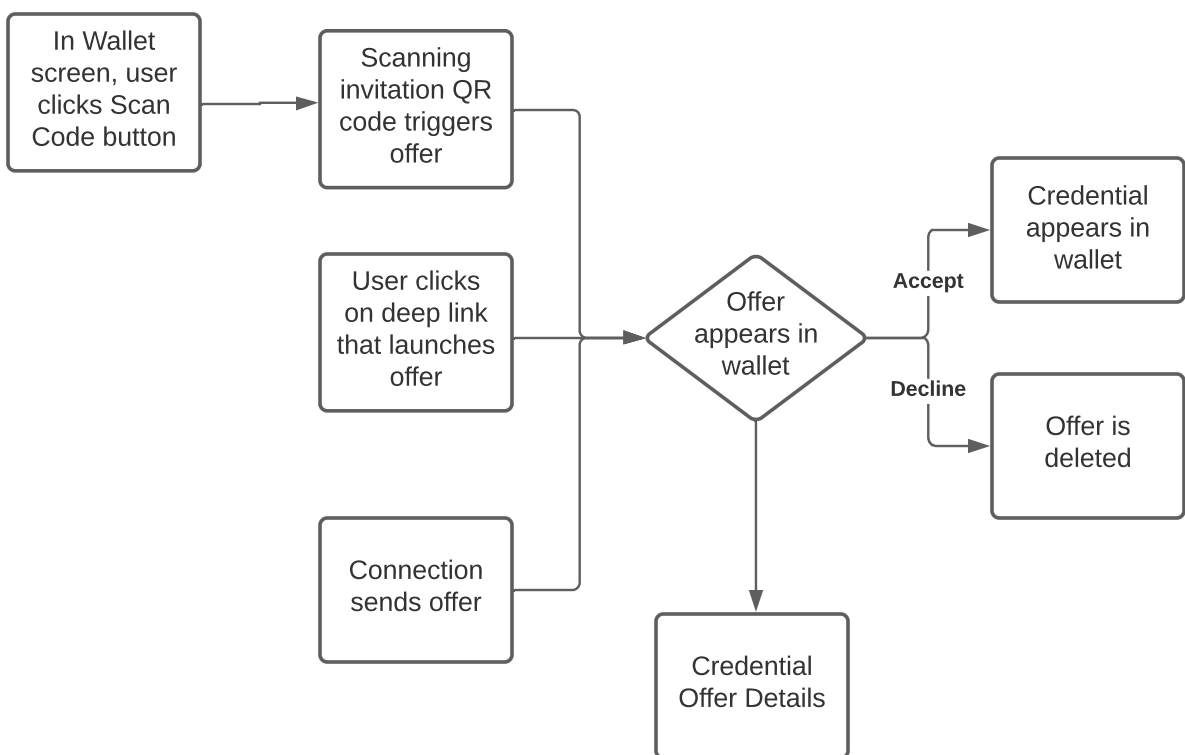
Onboarding

```
┌──────────┐   ┌──────────┐   ◇Biometric◇  Yes ┌────────────┐
│ Welcome  │→─│ User     │→─│ permissions │→──│ Biometrics │
│ Screen   │   │ selects  │   ◇          ◇     │ requested  │──┐
└──────────┘   │ "get     │        │No         │ upon login │  │   ◇Notification◇  ┌──────────┐
               │ started" │        ↓           └────────────┘  └→─│ permissions │→─│ Wallet   │
               └──────────┘  ┌────────────┐                    ┌→─◇          ◇     │ Home     │
                             │ Native     │                    │                   │ Screen - │
                             │ phone      │────────────────────┘                   │ Empty    │
                             │ password   │                                        │ State    │
                             │ used for   │                                        └──────────┘
                             │ authentic- │
                             │ ation      │
                             └────────────┘
```

Forming Connections

```
┌──────────┐   ┌────────────┐
│ User     │→─│ Scanning   │──┐
│ clicks   │   │ invitation │  │                              ┌────────────┐
│ Scan Code│   │ QR code    │  │   ◇Invitation◇  Yes         │ Connection │
│ button   │   │ triggers   │  ├→─│ appears in  │→──────────│ appears in │
└──────────┘   │ connection │  │   ◇ wallet    ◇             │ wallet     │
               │ invitation │  │        │ No                 └────────────┘
               └────────────┘  │        ↓                    ┌────────────┐
               ┌────────────┐  │                             │ Invitation │
               │ User clicks│  │                             │ deletes    │
               │ on deep    │──┘                             │ from       │
               │ link that  │                                │ actions    │
               │ launches   │                                └────────────┘
               │ connection │
               │ invitation │
               └────────────┘
```

```
┌──────────┐   ┌────────────┐
│ User     │→─│ User       │   The wallet app with which the user wants to
│ clicks   │   │ toggles    │   connect will then scan the invitation QR
│ Scan Code│   │ from "scan"│   appearing on the user's screen.
│ button   │   │ to "invite"│
└──────────┘   └────────────┘
```

Accepting Credentials

```
┌──────────┐   ┌────────────┐
│ In Wallet│→─│ Scanning   │──┐
│ screen,  │   │ invitation │  │                              ┌────────────┐
│ user     │   │ QR code    │  │                    Accept   │ Credential │
│ clicks   │   │ triggers   │  │   ◇Offer    ◇  ──────────→─│ appears in │
│ Scan Code│   │ offer      │  │   ◇appears in◇              │ wallet     │
│ button   │   └────────────┘  ├→─│ wallet   │              └────────────┘
└──────────┘   ┌────────────┐  │   ◇         ◇   Decline     ┌────────────┐
               │ User clicks│  │        │        ──────────→─│ Offer is   │
               │ on deep    │──┤        ↓                    │ deleted    │
               │ link that  │  │                             └────────────┘
               │ launches   │  │   ┌────────────┐
               │ offer      │  │   │ Credential │
               └────────────┘  │   │ Offer      │
               ┌────────────┐  │   │ Details    │
               │ Connection │──┘   └────────────┘
               │ sends offer│
               └────────────┘
```

Verification Requests

```
┌──────────┐   ┌────────────┐
│ In Wallet│→─│ Scanning   │──┐
│ screen,  │   │ request    │  │                              ┌────────────┐
│ user     │   │ QR code    │  │                    Share    │ Information │
│ clicks   │   │ triggers   │  │   ◇Request   ◇ ──────────→─│ is sent to │
│ Scan Code│   │ request    │  │   ◇appears in◇              │ organization│
│ button   │   └────────────┘  ├→─│ wallet   │              └────────────┘
└──────────┘   ┌────────────┐  │   ◇         ◇   Decline     ┌────────────┐
               │ User clicks│  │        ↑        ──────────→─│ Request is │
               │ on deep    │──┤        │                    │ deleted    │
               │ link that  │  │        │                    └────────────┘
               │ launches   │  │        │
               │ request    │  │        │
               └────────────┘  │        │
               ┌────────────┐  │        │
               │ Connection │──┘        │
               │ sends      │           │
               │ request    │           │
               └────────────┘           │
                             ┌──────────┴─┐  ┌────────────┐  ┌────────────┐
                             │ View how   │←─│ Verification│←─│ Toggle which│
                             │ information│   │ Request     │   │ credential  │
                             │ will be    │   │ Details     │   │ attributes  │
                             │ used       │   └────────────┘   │ are sourced │
                             └────────────┘                    │ from        │
                                                               └────────────┘
```