

First-Release Scope Checklist

A 25-point architectural audit to eliminate scope creep, isolate core workflows, and lock technical cut lines before commissioning code production.

SECTION A: CORE PROBLEM & FLOW ISOLATION (POINTS 1-6)

Stage: Pre-Kickoff

Most failed mobile projects die from feature sprawl rather than technical bugs. Verify each item below before defining feature tickets.

[01] **Single Core Job-To-Be-Done (JTBD) Defined**

Can the primary value proposition be completed in under 3 minutes on a small screen? If not, split multi-role tasks to web admin.

[02] **Non-Essential Secondary Workflows Deferred to Post-MVP**

Social feeds, community forums, complex reward points, and decorative custom themes are explicitly removed from release scope.

[03] **Frictionless Onboarding & Guest Exploration Mode**

Users can inspect catalog or core utility value without mandatory upfront phone number or credit card registration.

[04] **Clean Screen Inventory Capped at ≤ 10 Unique Views**

First release contains maximum 8-10 distinct views (Auth, Manifest, Detail, Action/Form, Review, Settings/Profile).

[05] **Bi-Weekly Milestone Review Protocol Established**

Designated single client stakeholder commits to 48-hour approval turnaround on TestFlight build drops.

[06] **Quantitative Success Target Documented**

Explicit criteria for sprint success (e.g. <1.5s cold boot time, >95% checkout completion rate).

Offline Data Resilience & State Synchronization

SECTION B: OFFLINE & DATA STATE AUDIT (POINTS 7-13)

Priority: High Resilience

Validate how the application handles cellular dropouts, dirty drafts, and background reconnection.

- [07] **Zero Silent Data Loss on Form Interruption**
All input fields are written to local reactive storage on change; phone calls or app kills preserve typed text.
- [08] **Persistent Local Database Storage (SQLite / Drift / WatermelonDB)**
Key catalog models and manifests are stored locally on-device rather than requiring fresh fetch on every view.
- [09] **Explicit Offline Banner with Local Queue Counter**
User is never left guessing whether a button press succeeded; show "Offline · 2 changes queued for sync".
- [10] **Deterministic Conflict Recovery Strategy**
When server record is newer than offline edit, provide side-by-side diff resolution rather than naive overwrite.
- [11] **Idempotent Mutation Keys on Sensitive Operations**
Every transaction payload carries a client-generated UUID idempotency key to prevent double charging on retry.
- [12] **Exponential Backoff Network Reconnection Loop**
Reconnection polling backs off gracefully (1s, 2s, 5s, 15s, 60s) to protect device battery life.
- [13] **Stale Data Age Indicators on Critical Views**
Surfaces "Synced 14m ago" timestamp so users are aware of potential manifest staleness.

Hardware Sensors, Permissions & Native APIs

SECTION C: NATIVE INTEGRATION & PERMISSIONS (POINTS 14-19)

Priority: Device Health

Ensure device features operate within operating system battery, privacy, and memory guidelines.

- [14] Contextual Just-in-Time Permission Dialogs

Never prompt for Camera or Location on cold start. Explain business reason immediately prior to feature usage.
- [15] Non-Blocking Fallback for Denied Permissions

If camera is denied, allow manual photo gallery pick or skip. Provide direct link to OS Settings app.
- [16] On-Device Image Resizing & JPEG Compression

Compress 12MP photos to <300KB before uploading to cloud storage to conserve user cellular data plans.
- [17] Battery-Optimized Location Telemetry

Avoid high-accuracy continuous GPS tracking unless turn-by-turn navigation is explicitly active.
- [18] Silent Background Push Notification Handling

Implement content-available background payloads to pre-fetch critical data before user launches app.
- [19] Sub-Second Biometric Authentication (FaceID / TouchID)

Store access tokens in iOS Keychain / Android Keystore with biometric gating for sensitive actions.

Store Compliance, Automated CI/CD & Handover

SECTION D: RELEASE REVIEW & HANDOVER VERIFICATION (POINTS 20-25)

Priority: Launch Gate

Final release conditions to ensure zero App Store review rejection delays and 100% intellectual property ownership.

- [20]

Apple App Privacy Nutrition Declarations Formatted
All collected data types (analytics, identifiers, usage data) audited against App Store Connect requirements.
- [21]

Mandatory In-App Account Deletion Flow
Complies with Apple Guideline 5.1.1(v) with immediate backend record scrubbing or scheduled deactivation.
- [22]

Google Play Target API & 64-Bit Architecture Verified
App bundle (.aab) targets current Android API level and passes Google Play Pre-Launch report testing.
- [23]

Automated CI/CD Pipeline (Fastlane / GitHub Actions)
Automated script compiles, signs, tests, and publishes builds directly to TestFlight and Internal tracks.
- [24]

100% Intellectual Property Assignment Executed
All Git repositories, assets, signing certificates, and documentation transferred directly to client ownership.
- [25]

30-Day Critical Defect Warranty Active
Post-launch guarantee covering crash remediation and store compliance patches at zero additional charge.

AUDIT SCORECARD & ENGINEERING REVIEW

If your current mobile specification does not satisfy all 25 points, schedule an FFNA Architecture Sprint. We will audit your user journeys, identify edge vulnerabilities, and deliver a production-ready milestone plan.

Scoping Portal: www.ffnasolutions.com/contact?program=architecture-sprint

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