

ANNEX 1

Detailed Scope of Work

Flick MVP - iOS Application Development

October 8, 2025

1. Introduction

This document provides a comprehensive breakdown of all features, modules, and functionalities to be developed as part of the Flick MVP (Minimum Viable Product) for iOS platform. This annex forms an integral part of the Application Development Agreement between Good Monkeys LLC and CodeFlow Studios.

1.1 Project Scope

Platform: iOS (iPhone and iPad compatible)

Development Framework: Flutter or React Native (cross-platform capable, optimized for iOS)

Backend: Node.js with Express.js framework

Database: Supabase or Firebase (cloud-hosted, scalable)

Cloud Infrastructure: AWS, Vercel, or Google Cloud Platform

Note: Android development is excluded from this MVP scope. Focus is exclusively on iOS platform delivery.

2. Core Modules & Features

2.1 QR Scanning & Lighter Registration

Purpose: Enable users to scan QR codes on lighters and register them in their collection.

Features:

- QR code scanner using device camera (iOS native integration)
- Unique lighter ID generation and validation
- Lighter registration with metadata (brand, color, design, acquisition date)
- Photo capture functionality to document the lighter
- Duplicate detection to prevent multiple registrations of same lighter
- Registration confirmation with success notification
- History log of all scanned/registered lighters

2.2 User Profiles & Onboarding

Purpose: Create personalized user accounts with profile management and seamless onboarding.

Features:

- User registration with email or social OAuth (Google Sign-In)
- Profile creation with username, avatar, bio, and location
- Email verification and password recovery
- Onboarding tutorial (first-time user walkthrough)
- Profile editing and customization
- Privacy settings (public/private profile)
- View personal lighter collection
- Activity feed showing recent scans, trades, and achievements
- Push notification preferences

2.3 Lost & Found Workflow

Purpose: Allow users to report lost lighters and facilitate their recovery through community engagement.

Features:

- Report a lighter as 'Lost' with description and location
- Browse lost lighters in the community
- Mark a lighter as 'Found' when scanned by another user
- Notification system to alert original owner when lighter is found
- In-app messaging to coordinate lighter return
- Optional reward system (user can offer reward for return)

- Lost & Found history tracking
- Map view showing locations of reported lost lighters

2.4 Trading and Gifting Features

Purpose: Enable peer-to-peer lighter exchanges and gifts within the community.

Features:

- Browse available lighters for trade in community marketplace
- Send trade requests to other users
- Accept/reject trade offers with messaging
- Gift lighters to friends or community members
- Transfer ownership through secure transaction
- Trade history and transaction log
- Rating system for successful trades
- Search and filter lighters by brand, rarity, or design
- Wishlist functionality to track desired lighters

2.5 Basic Gamification and Rewards (Lite Version)

Purpose: Encourage user engagement through achievements, points, and leaderboards.

Features:

- Point system for various activities (scans, trades, referrals)
- Achievement badges (e.g., 'First Scan', 'Collector', 'Trader', 'Helper')
- Leaderboard showing top collectors and active users
- Level progression system (Bronze, Silver, Gold, Platinum tiers)
- Daily login rewards
- Referral bonus program
- Milestone celebrations (e.g., 10th lighter scanned)
- Exclusive digital collectibles for top users

2.6 Admin Dashboard

Purpose: Provide administrators with tools to manage the platform, users, and content.

Features:

- Web-based admin panel (accessible via browser)
- User management (view, edit, suspend, delete accounts)
- Lighter database management (view all registered lighters)
- Analytics dashboard (user growth, activity metrics, engagement rates)
- Content moderation tools (review flagged content, messages)
- Push notification broadcast system
- Report management (handle user reports and disputes)
- System configuration and settings
- Export data (CSV/Excel reports for analytics)

2.7 Backend APIs and Cloud Integration

Purpose: Build robust, scalable backend infrastructure to support all app functionalities.

Features:

- RESTful API endpoints for all app features
- User authentication API (OAuth, JWT tokens)
- QR code validation and lighter registration API
- Real-time messaging API for trades and lost & found
- Push notification service integration (Firebase Cloud Messaging)
- Cloud storage for user photos and lighter images
- Database schema design and implementation
- API rate limiting and security measures
- Error handling and logging system
- Automated backup and data recovery system

2.8 Mobile App (iOS)

Purpose: Develop native-quality iOS application with intuitive UI/UX.

Features:

- iOS-optimized user interface (iPhone 12 and above)
- iPad compatibility with responsive design
- Native iOS design patterns and gestures
- Smooth animations and transitions
- Offline mode for viewing personal collection
- Dark mode support
- In-app camera integration for QR scanning
- Location services integration (for lost & found features)
- Push notifications
- App Store deployment and optimization
- TestFlight beta testing setup

2.9 Landing Website for goodmonkeys.com

Purpose: Single-page marketing website (complimentary deliverable).

Features:

- Responsive single-page website design
- Hero section with app overview and download link
- Feature highlights section
- Screenshots gallery (carousel)
- Call-to-action buttons (Download from App Store)

- Contact form integration
- Social media links
- Mobile-optimized layout
- Fast loading and SEO optimization
- Hosting on Vercel or Netlify (included)

3. Technical Specifications

3.1 Technology Stack

Component	Technology
Mobile Framework	Flutter or React Native
Target Platform	iOS (iPhone & iPad)
Backend Framework	Node.js + Express.js
Database	Supabase or Firebase
Authentication	OAuth 2.0 (Google) + Email/Password
Cloud Infrastructure	AWS / GCP / Vercel
Push Notifications	Firebase Cloud Messaging (FCM)
File Storage	AWS S3 or Firebase Storage
Version Control	GitHub

4. Project Deliverables

iOS Application:

- Production-ready app submitted to Apple App Store
- TestFlight build for beta testing
- Complete source code repository

Backend Infrastructure:

- Deployed and configured cloud backend
- API documentation (Swagger/Postman collection)
- Database schema documentation

Admin Dashboard:

- Web-based admin panel (deployed and accessible)
- Admin user manual and documentation

Landing Website:

- Single-page website for goodmonkeys.com
- Deployed and live on production server

Documentation:

- Technical documentation (architecture, API specs)
- User manual and onboarding guide
- Deployment and maintenance guide

5. Exclusions from Scope

- Android application development (excluded from MVP)
- Advanced AI/ML features (e.g., lighter image recognition)
- Payment gateway integration (no monetization in MVP)
- Third-party brand partnerships or integrations
- Advanced analytics and business intelligence tools
- Multi-language support (English only for MVP)
- Video content or streaming features

6. Testing & Quality Assurance

6.1 Testing Approach

- Unit testing for backend APIs and critical functions
- Integration testing for end-to-end workflows
- iOS device testing (iPhone 12, 13, 14 series)
- iPad compatibility testing
- Performance testing (load times, API response times)
- Security testing (authentication, data protection)
- User acceptance testing (UAT) with Good Monkeys LLC team
- Beta testing via TestFlight with selected users

7. Post-Launch Support (3 Months)

- Bug fixes and critical issue resolution
- Security patches and updates
- Performance monitoring and optimization
- Minor UI/UX improvements based on user feedback
- iOS version updates (compatibility with latest iOS releases)
- Cloud infrastructure monitoring and maintenance
- Monthly progress reports and analytics review

This document forms Annex 1 of the Application Development Agreement between Good Monkeys LLC and CodeFlow Studios, dated October 8, 2025.