

MarketMate Magento / Adobe Commerce — Native Android App (Kotlin)

Product Deployment Proposal & Feature Blueprint

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Platform: Magento Open Source / Adobe Commerce

Supported Versions:

- Adobe Commerce (Cloud): 2.4 (current)
- Adobe Commerce (On-Premise): 2.4 (current)
- Magento Open Source: 2.4 (current)

Delivery model: Native Android App (Kotlin), native Adobe architecture, Custom Solution

License Type: Single-Entity, Non-Transferable, Non-Sublicensable Lifetime License for Internal Business Operations.

1. Executive Summary & Core Architecture

MarketMate is our completed, premium, fully native Android e-commerce product ready to be deployed to transform your existing Magento 2.4 or Adobe Commerce platform into a powerful, high-performance mobile experience. As an Adobe Silver Solution Partner, Associative is positioned to integrate and deploy this ready-made architecture natively, ensuring unparalleled performance, scalability, and zero third-party dependencies.

- **Bespoke UI Customization (No Generic Templates):** While the core MarketMate engine is fully developed and ready to deploy, we do not use generic templates or restrictive drag-and-drop builders for your final delivery. The front-end application is custom-tailored to match your exact business logic, user journeys, and brand identity.
- **Pure Native Kotlin Architecture:** Built entirely natively using Kotlin and Android Studio for a seamless, ultra-fast experience on Android devices. This provides maximum UI responsiveness, deep Android OS integration, and superior hardware utilization.
- **Live Synchronization:** The app features real-time live synchronization. Any changes made to products, pricing, or content in the Magento 2 backend directly and instantly reflect on the Android app.
- **Data Architecture:** The app leverages Magento's native GraphQL APIs for minimal payload and maximum speed, ensuring blazing-fast load times.
- **GDPR Compliant & Secure:** Built with strict adherence to GDPR guidelines to protect and control user data. Local device storage is used securely for session and app settings only.

2. Delivery & Strict IP/Legal Protections

- **Client Infrastructure Costs:** The client covers their Magento hosting and developer accounts (Google Play Console).

- **Deployment Timeline: 15 to 18 weeks** post-order finalisation — covers backend API setup, custom UI/UX design integration, payment configuration, quality assurance (QA), and Play Store publishing.

Legal Protections & Licensing

To protect the integrity of our source code and bespoke architecture, the project is governed by strict legal frameworks:

Measure	Description
Master Service Agreement (MSA)	A strict MSA will be drafted explicitly defining severe financial penalties for reverse engineering, code extraction, or unauthorized distribution of the application.
Source Code Ownership	Associative retains full intellectual property (IP) and source code ownership of the MarketMate core product.
EULA & App Store Licensing	Using the Google Play EULA, the app is legally licensed solely for the client's specific brand and end-users. Repackaging, reselling, or white-labeling the application to third parties is strictly prohibited.
License Definition	Delivery is strictly classified as a <i>"Single-Entity, Non-Transferable, Non-Sublicensable Lifetime License for Internal Business Operations."</i>
Compiled Binaries	Clients receive the compiled .apk and .aab (Android App Bundle) binaries exclusively for their own business use.
API Whitelisting & Obfuscation	Hardcoded, encrypted API tokens ensure the app can only communicate with the client's registered domain. Kotlin binaries are heavily obfuscated (using ProGuard/R8) to make reverse-engineering nearly impossible.

3. Core E-Commerce Features (Standard Baseline)

These foundational features are pre-built and driven natively through the Kotlin-to-Magento GraphQL bridge.

- **Custom Interactive Homepage & UI:** A bespoke welcome splash screen leading to a highly intuitive dashboard built with native Android Material Design guidelines. Custom-tailored sections include category carousels, featured products, hot deals, and promotional banners.
- **Comprehensive Catalog & Product Display:** Full support for simple, grouped, bundled, configurable, virtual, and downloadable products. High-resolution galleries, detailed descriptions, and complex variables.

- **Advanced Search Capabilities:** Text search (Like, Full Text, Combine), plus hands-free **Voice & Barcode Search** native to Android.
- **Checkout, Shipping & Payments:** Streamlined One-Page Checkout. Full support for default Magento 2 shipping methods and multiple secure payment gateways (PayPal, Bank Transfer, COD, phone orders, and custom payment APIs). Multi-currency supported natively.
- **User Account Management & Localization:** Standard email sign-up and social logins (Google, Facebook). Order tracking, returns, and multi-language/Right-to-Left (RTL) reading compatibility.
- **Push Notifications & Alerts:** Targeted push notifications (via Firebase Cloud Messaging) for upcoming offers, discounts, and automated **Abandoned Cart Recovery**. Users can toggle notification preferences.

4. Advanced Enterprise Features (Adobe Commerce Exclusive)

These features maximise the value of your Adobe Commerce investment:

- **Adobe Sensei AI Integration:** Typo-tolerant Live Search and Machine Learning-driven "Frequently Bought Together" and "Trending" product recommendations.
- **B2B & Wholesale Suite:** Request for Quote (RFQ), Company Accounts (hierarchical approvals), custom negotiated pricing, shared catalogs, and Quick Order capabilities (CSV upload / SKU scan).
- **Omnichannel Fulfilment (MSI):** Store Locator & BOPIS (Buy Online, Pick Up In Store) with real-time inventory checking.
- **Loyalty & Retention:** Native display of Reward Points, Store Credit balances, and Digital Gift Card purchasing/management.

5. Future-Proof Mobile Innovations & AI

Leveraging the power of Kotlin, Google AI, and native Android device hardware:

- **Machine Learning Visual Search:** Powered by Google Firebase's ML Kit (Image and Text detection).
- **Augmented Reality (AR):** Integrating **ARCore** to render 3D product models natively within the Android app, allowing users to visualize products in their physical space.
- **AI Size Calculation:** Smart features to help users calculate the right product size, reducing returns.
- **Offline / Low-Network Data Management:** Local Android SQLite/Room databases intelligently cache previously viewed products and search history, ensuring app stability on poor networks.
- **Biometric Authentication:** Native Android Biometric Prompt integration (Fingerprint / Face Unlock) for frictionless logins and secure payment authorizations.
- **Dynamic Deep Linking:** Push notifications route users instantly to a specific abandoned cart or product page inside the app.

6. Deployment & Integration Roadmap

1. **Backend & Sync Setup:** Magento/Adobe Commerce 2.4 environment configuration, GraphQL endpoints, and Live Synchronization mapping.
2. **UI/UX Customization & Scaffolding:** Bespoke wireframing, Android Studio/Kotlin environment setup, and multi-language/RTL implementation.
3. **Feature Configuration & Integration:** Authentication setup, catalog sync, custom checkout flow branding, and payment/shipping gateways configuration using native Kotlin networking.
4. **Search & AI Implementation:** Text, Advanced, Voice, Barcode, and Firebase ML Visual search setup.
5. **Adobe Commerce Exclusives:** Sensei AI, B2B workflows, MSI/BOPIS, and loyalty programs configuration.
6. **Future-Proof Innovations:** ARCore integration mapping, AI size calculation, Android Biometrics, and Offline SQLite mode setup.
7. **Testing & Deployment:** Rigorous QA across diverse Android device sizes, GDPR compliance verification, API whitelisting, and Google Play Store publishing.

7. Commercials: Pricing, Maintenance & Support

Based on the deployment and customization of our high-performance native Android (Kotlin) product integrated with Adobe Commerce/Magento (including ARCore, ML, and B2B workflows), the investment structure is outlined below.

(Note: Pricing reflects a single-platform Native Android deployment).

1. Product License, Customization & Implementation

- **International Clients (Outside India):** \$22,000 — \$28,000 USD.
- **Domestic Clients (Within India):** ₹18,50,000 — ₹23,50,000 INR + 18% GST.
- *(Note: The exact final cost will be determined based on the precise complexity of your custom APIs, UI design requirements, and B2B workflows).*

2. Maintenance & Support (Year 1)

- **Cost: Included (1 Year Free Maintenance post-launch).**
- **Includes:** Bug fixes, Android OS compatibility updates (supporting new Android versions), and API synchronization maintenance.

3. Annual Update & Support Contract (Year 2 Onward)

- **Cost: 15% to 20% of the initial project cost per year.**
- **Includes:** Ongoing OS/platform compatibility updates, security patches, technical support, uptime monitoring, and minor UI optimizations.

8. Terms of Service & Policies

- **Payment Terms:**
 - **50% Advance Payment** required at project initiation.

- **50% Remaining Balance** due at the time of the final handover of app files and submission to the Google Play Store.
- **Accepted Payment Modes:** We accept safe electronic bank payments including RTGS, NEFT, IMPS, UPI, PayPal, and International Bank Wire Transfers.
- **Cancellation & Refund Policy:** Due to the bespoke nature of the UI customization and the immediate allocation of engineering resources for integration, **once an order is initiated, it cannot be cancelled or refunded under any circumstances.**
- **Support SLA:** All technical support queries will be addressed within **72 hours during standard working days** via WhatsApp chat or Email.
- **Demo Policy:** Because our completed architecture is strictly customized and uniquely tailored to your specific business logic (no generic pre-built templates are delivered), **we do not provide product demos.**

9. Project Initiation & Onboarding

To generate your formal invoice, draft the MSA, and officially initiate the project, kindly provide us with the following details:

1. **Full Name:** (For generating the invoice and MSA).
2. **Company Name:** (If you require the invoice to be billed to your corporate entity).
3. **GST Number:** (If applicable, so Indian businesses can claim GST Input Tax Credit - ITC).
4. **Complete Postal Address:** (Your current business or residential address for sending legal documents and project files via courier).
5. **Mobile and WhatsApp Number:** (For regular work-related discussions, milestone updates, and support).
6. **Email ID:** (For sharing invoices, MSA/EULA contracts, important communications, and handing over the final project source code).

Ready to Start? Contact Us:

- **WhatsApp:** +91 9028850524
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