**Mobile App Development Agreement**

**Between:**  
**Client:** [Client Name] ("Client")  
**Developer:** [Developer Name] ("Developer")

**Effective Date:** [Date]

**1. Project Overview**

**1.1 Purpose**

The Developer will build a **cross-platform mobile app (iOS & Android) + responsive website** for a **social trivia and betting platform** where users can compete in games (e.g., sports trivia) for rewards.

**Phased Approach (Desktop → Android → iOS)**

| **Version** | **Platform** | **Tech Stack** | **Timeline** |
| --- | --- | --- | --- |
| **Version 1** | Desktop Web App | **Blazor (.NET 7+)** + SQL Server | 4 months |
| **Version 2** | Android App | **.NET MAUI (Blazor Hybrid)** | 2 months |
| **Version 3** | iOS App | **.NET MAUI (Blazor Hybrid)** | 2 months |

**Total Time:** **8 months**

**Phase 1: Blazor Desktop Web App (4 Months)**

**Tech Stack**

* **Frontend:** Blazor (for fast, interactive UI)
* **Backend:** ASP.NET Core + Entity Framework
* **Database:** SQL Server (or PostgreSQL)
* **Authentication:** IdentityServer4 (OAuth for social logins)
* **Real-time Features:** SignalR (for live trivia/betting)

**Development Plan**

| **Month** | **Task** |
| --- | --- |
| **Month 1** | - UI/UX wireframing (Figma/Adobe XD) - Blazor project setup - User auth system |
| **Month 2** | - Core trivia gameplay logic - Real-time betting (SignalR) - Basic admin panel |
| **Month 3** | - Payment integration (Stripe/PayPal) - User profiles & leaderboards - Legal docs (ToS/Privacy Policy) |
| **Month 4** | - Testing & bug fixes - Beta release to a small user group - Final adjustments |

**Phase 2: Android App (2 Months, .NET MAUI + Blazor Hybrid)**

* **Same backend** as the web app (cost-efficient).
* **Blazor Hybrid** allows **80% code reuse** from the web app.
* **Key Tasks:**
  + Mobile-responsive UI tweaks
  + Push notifications (Firebase)
  + App Store compliance checks

**Phase 3: iOS App (2 Months, .NET MAUI + Blazor Hybrid)**

* Same codebase as Android, with **minor UI adjustments** for iOS.
* **App Store submission** (requires Apple Developer account).

**Estimated Costs**

| **Phase** | **Cost (USD)** |
| --- | --- |
| **Blazor Web App** | $7,000 - $9,000 |
| **Android App** | $3,000 - $4,000 |
| **iOS App** | $3,000 - $4,000 |
| **Total** | **$13,000 - $17,000** |

**Design Wireframe (Blazor Web App Example)**

**Key Screens**

1. **Homepage**
   * Trivia categories (Sports, Movies, etc.)
   * "Join Game" button
   * Login/Signup
2. **Game Lobby**
   * Live player count
   * Betting pool ($)
   * Countdown timer
3. **Trivia Game Screen**
   * Question + multiple-choice answers
   * Live scoreboard
4. **Admin Dashboard**
   * User management
   * Payout approvals
   * Content moderation

**1.2 Technical Stack**

* **Mobile Apps:**
  + Android: Kotlin/Java (Android Studio)
  + iOS: Swift (Xcode)
* **Backend:** Python (FastAPI) + PostgreSQL
* **Website:** HTML5, CSS3, Bootstrap
* **Hosting:** AWS/Google Cloud (Client’s responsibility post-launch)

**1.3 Key Features**

**User Features:**

✔ Signup/login + profile creation  
✔ Trivia games with rewards system  
✔ Newsfeed & user dashboard  
✔ Payment integration (Stripe/PayPal)  
✔ Terms of Use & Privacy Policy

**Admin Features:**

✔ User management (ban/suspend)  
✔ Content moderation  
✔ Transaction & payout tracking

**3. Payment Terms**

* **Payment Method:** Bank transfer / PayPal / Crypto (agreed in writing).
* **Late Payments:** 5% monthly interest on overdue amounts.
* **Stock Consideration (if applicable):**
  + Client may issue **$1,800 worth of equity** (subject to vesting & valuation agreement in a separate document).

**4. Intellectual Property (IP) Rights**

* Developer transfers **full ownership** of code, design, and assets upon final payment.
* Client grants Developer a **portfolio license** (to showcase work).

**5. Legal & Compliance**

* **Gambling Laws:** Client is responsible for ensuring compliance with local gambling/betting regulations.
* **Age Restriction:** Users must be **18+**.
* **Data Privacy:** Must comply with **GDPR/CCPA** if applicable.

**6. Warranties & Support**

✔ **30-day bug-fixing warranty** post-launch.  
✔ **Optional ongoing support:** $50/hour or retainer agreement.

**7. Termination Clause**

* Either party may terminate with **14 days’ notice**.
* If terminated:
  + Client pays for completed work.
  + Developer delivers all completed code.

**8. Liability & Disputes**

* **Developer not liable** for:
  + Third-party API failures.
  + Misuse of app (e.g., illegal gambling).
* **Dispute Resolution:** Mediation before litigation.

**Signatures**

**Client:**  
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Developer:**  
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_