# Big Boys Game (BBG) — Project Pitch & Development Overview

## Project Pitch

Big Boys Game (BBG) is a digital multiplayer game designed to blend luck, real-time interaction, and monetary rewards. It allows 2 to 10 players to join a virtual room, each contributing a stake (starting from ₦1,000 or equivalent in their local currency). The system rolls a virtual stone for each player during their turn. The player with the highest number wins the pooled stake, minus a 5–10% platform commission.

- In case of a tie (two players with the same highest number), the winnings are evenly split.

- Games with higher stakes (₦50,000 and above) incur a lower platform commission (5% instead of 10%).

- Users can choose the number of players (between 2 and 10) and set the stake amount.

- Matching system pairs users based on request parameters (player count + stake).

- Players in high-stake rooms unlock both voice chat and text chat, while regular rooms have text-only.

## Functional Features

- Stone rolling triggered by turn clicks

- Luck-based outcome, backed by secure random number logic

- Real-time communication: text & voice chat (based on stake level)

- Payment integration (Paystack, Flutterwave, Stripe)

- Wallet for deposits, balance, and withdrawal tracking

- Transparent rules & commission policy

- Fairness system handled by backend RNG

- Available across Android, iOS, and Desktop

## Recommended Development Stack

Frontend (UI & UX)

- Framework: Flutter (Dart)

- Target Platforms: Android, iOS, Desktop (Windows/macOS/Linux), Web

- Design Tool: Figma for prototyping

Backend

- Language: Python (FastAPI) or Node.js

- Hosting: Firebase, Render, or AWS

- Database: PostgreSQL (for money/game data), Firebase Firestore (for chat/history)

- Game Logic: Backend-controlled RNG engine

Communication SDK

- Voice & Chat: Agora SDK or Twilio

- Matchmaking: Real-time pairing with WebSockets

Payment SDK

- Africa: Paystack, Flutterwave

- Global: Stripe, PayPal

- Security: End-to-end encryption for transactions

## Deployment Plan

Platform | Tool | Notes

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Android | Flutter (.apk/.aab) | Publish to Play Store

iOS | Flutter (.ipa via Xcode) | App Store deployment

Desktop | Flutter (.exe/.dmg) | Direct download or store upload

Web | Flutter Web + Firebase Hosting | Optional browser support