

Capstone Letter of Intent (LOI)

Project Overview

1. **Capstone Project Name/Idea:** Ruglette - On-chain meme coin Roulette
2. **Brief description of the project:** Ruglette is an on-chain, meme-fueled Russian roulette-style game built on the Solana blockchain. Players spin a digital chamber filled with randomized meme coins, where each spin can result in mooning tokens or complete rugs. With on-chain randomness, non-custodial escrow, and chaotic gameplay, Ruglette gamifies the volatility and humor of meme coin culture.
3. **Reason for choosing this project:** Ruglette represents a fusion of my passion for building fun, experimental products and my interest in the meme coin-driven culture that defines much of the Solana ecosystem. I chose this project because I see a gap in the market for community-first, culturally resonant on-chain games that are both technically sound and deeply entertaining. Most existing on-chain games focus on either serious gambling or traditional gameplay mechanics. Ruglette, on the other hand, embraces unpredictability and humor in a way that feels native to crypto. It also gives me an opportunity to deepen my skills in smart contract development, randomness integration, and front-end dApp design, while creating something that could go viral and be loved by the degen community.

Go to market strategy

1. **Target Audience:**
 - Solana degens and meme coin traders who thrive on volatility and chaos.
 - On-chain gamblers seeking high-risk, high-reward entertainment.
 - NFT and web3 communities that engage with culturally relevant, humorous dApps.
2. **Value Proposition:**
 - Provides a fair and transparent gambling experience using verifiable randomness (VRF).
 - Taps into meme coin culture to create a uniquely engaging and humorous on-chain game.
 - Offers a viral, community-first alternative to traditional DeFi applications.
3. **Marketing and Distribution:**
 - Launch teaser trailers and memes on Twitter/X targeting Solana communities
 - Collaborate with meme coin projects to feature their tokens in-game
 - Partner with Solana influencers and degen spaces to demo Ruglette
 - Run community competitions and leaderboard events
 - Share gameplay clips and losses/wins for social virality
4. **Competitive landscape:** While there are several on-chain roulette and casino-style games on Solana, these platforms primarily replicate traditional casino experiences and focus on classic tokens or stablecoins. They often emphasize serious, high-stakes gameplay with limited cultural relevance. In contrast, Ruglette injects meme coin chaos into the roulette format, turning volatility and humor into core mechanics. Unlike competitors, Ruglette:

- Randomizes real and trending meme coins as gameplay elements instead of fixed outcomes or symbols.
- Embraces the cultural identity of Solana's degen ecosystem by prioritizing memes, virality, and chaos.
- Offers a lighter, fun-first approach where users don't just bet—they gamble with cultural relevance.

Technical Details

1. Tech Stack:

- **Blockchain:** Solana
- **Smart Contracts:** Anchor (Rust)
- **Frontend:** Next.js + TailwindCSS
- **Wallet Integration:** via Solana Wallet Adapter (Phantom or backpack)
- **Randomness:** Switchboard VRF or Pyth VRF

2. Smart contract developer:

- Smart contracts will be written in Rust using the Anchor framework. Contracts will handle staking, randomness request, outcome resolution, and payouts.
- We'll test extensively using Anchor's local validator and Solana Devnet before deploying to mainnet.
- Basic security measures will include access control checks, limits on max bet size, and VRF verification.

Conclusion

1. Project Timeline:

- Week 1: Finalize game mechanics and smart contract architecture
- Week 2 - 3: Develop and test smart contracts locally and on Devnet
- Week 4- 5: Build front-end and integrate with on-chain logic
- Week 6: Launch beta version with limited spins and community testing

2. Commitment: I am fully committed to completing Ruglette as a capstone project.

This project aligns with my passion for on-chain gaming and my interest in building unique, viral, and community-centered experiences on Solana. I intend to contribute meaningfully to the blockchain ecosystem by building something fun, transparent, and technically sound.

3. Initials: C.G.