1. Overview

I am seeking a cost-effective, lean, and scalable end-to-end solution for a web-based simulated trading challenge platform tailored to the **Indian NSE Options market**. The goal is to deliver a fully functional MVP with integrated design (Figma), frontend, backend, and admin systems

inspired by international models such as [TopstepX.](#)

Reference:

- **Website:** www.topstep.com
- **Demo Video:** [TopstepX YouTube Playlist](#)

2. Project Scope & Objectives

The project involves full-stack development of the MVP, including:

A. Core Feature Modules

The platform will follow a structured user journey:

- **Challenge Phase**: Traders prove their skills under predefined risk and return rules.
- **Express Funding Phase**: If the challenge is passed, users progress to a second simulated stage with relaxed conditions and closer monitoring.
- **Live Funding Phase**: Final stage (still simulated with virtual currency) mimicking real funding environment with performance-based scaling and daily limits.

1. **User Onboarding & Authentication**
   - Email and OTP/password login
   - Firebase/Auth0 integration
   - Personalized challenge dashboard
2. **Challenge Engine**
   - Capital tiers: ₹1L, ₹2L, ₹5L, ₹10L
   - Rules:
     - 6% Profit Target

- 6% Max Drawdown
- 3% Daily Loss Limit
- Trailing stop loss until breakeven
- Maximum 50% of profit target allowed per trade
- Maximum lot size per account tier
  - Duration: 7–15 Trading Days
  - Rule enforcement and tracking

3. **Trading Interface**
   - Web-based terminal with **TradingView ACL** (embedded charting)
   - Buy/Sell execution via simulated engine
   - Instruments: **NIFTY, BANKNIFTY, FINNIFTY** (Options only)
   - Live order book, PnL, position tracker

4. **Order Simulation Engine**
   - Simulated order placement & execution
   - Real-time PnL updates
   - Intraday loss and position cap checks

5. **Admin Panel**
   - Track user progress & challenge status
   - Approve, reject, and export data (CSV support)

6. **Payment Gateway & Payout Integration**
   - Razorpay (preferred) or Stripe for fee collection from Indian users
   - RazorpayX, PayTM for payout disbursals to Indian bank accounts
   - Admin dashboard to handle payment statuses and payout tracking

7. **Notifications System**
   - Email alerts
   - Optional: WhatsApp/Telegram integration

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3. Technology Stack

- **Frontend:** React.js, Tailwind CSS
- **Backend:** Node.js, Express.js
- **Database:** MongoDB with Mongoose
- **Authentication:** Firebase / Auth0
- **Charting Library:** TradingView ACL (Licensed)
- **Hosting:**
  - Frontend: Vercel
  - Backend: DigitalOcean / Render

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4. Deliverables

- Fully functional MVP platform (frontend + backend)

- Simulated challenge logic with trading interface •
Chart integration (TradingView ACL)
- Admin panel with export tools
- API Documentation
- Deployment guide and basic CI/CD setup •
Figma-based design prototypes
- Responsive (mobile-friendly) web UI

5. Timeline

Expected Duration: 10–14 weeks from project kickoff
Milestone delivery is preferred.

6. Proposal Requirements

Please include the following in your submission:

- Detailed **cost estimate**, broken into milestones
- **Team structure** and profiles (developers, designers, QA, PM) •
Portfolio of **past projects**, preferably in trading or fintech
- Technical approach for:
    - o Order simulation logic
    - o Charting interface with TradingView ACL
- Post-launch support & warranty terms •
Figma design and UI/UX capabilities

I look forward to your detailed response and working with a partner passionate about building innovative fintech solutions for India's growing trading ecosystem.