### **Multichain Token Launchpad Chatbot**

1. **Title**"Multichain Launchpad Tracker: A Conversational Assistant for Token Launches"
2. **Introduction  
   What is the Problem?**Launching and tracking tokens across multiple blockchains can be challenging.  
   Users often juggle between wallets, block explorers, and market data platforms to stay updated on their tokens and launches.  
   **Solution: Multichain Launchpad Tracker Chatbot**A chatbot that allows users to track token launches, monitor market data, and manage participation in launches across multiple chains via an intuitive chat interface.  
   Integrates wallet authentication, blockchain data, and live updates for a streamlined user experience.  
   **Why a Chatbot?**
   * Provides a user-friendly conversational interface for launchpad management.
   * Eliminates the need for manual searches or technical tools.
   * Delivers instant insights and updates on token launches and wallet activities.
3. **Objectives**Enable users to:
   * Authenticate wallets across multiple blockchains seamlessly.
   * Track live and upcoming token launches on supported chains.
   * Monitor token prices and market caps in real-time.
   * View and analyze participation history in past token launches.
   * Set alerts for new launches, price thresholds, or major updates.
4. **Key Features**
   * **Wallet Integration**
     + Support for wallets like MetaMask, Phantom, Trust Wallet, and more.
     + Authenticate users via message signing on supported blockchains.
   * **Token Launch Tracker**
     + Retrieve and display details of live, upcoming, and completed token launches.
     + Example: "Upcoming launch: Token X on Ethereum, January 20, 2025."
   * **Market Data Tracking**
     + Fetch live prices, market caps, and token performance trends using APIs like CoinGecko or Pyth.
     + Example: "Token X current price: $1.50, Market Cap: $50M."
   * **Participation History**
     + View a user’s past launch participation and investment performance.
     + Example: "You participated in Token Y launch with 0.5 ETH. Current value: $2,000."
   * **Notifications and Alerts**
     + Set alerts for token price changes, launch announcements, or participation caps.
     + Example: "Alert: Token Z launch starts tomorrow at 12 PM UTC."
5. **System Architecture  
   Core Components:**
   * **Frontend:** Chat UI
     + Built with React.js or Next.js.
     + Wallet connection using Web3.js or blockchain-specific adapters.
   * **Backend:** API & Logic
     + Integrates with blockchain RPC endpoints for launch and wallet data.
     + Uses external APIs for token price tracking e.g **AppKit**
     + Handles authentication and signed message verification with **AppKit**
6. **Blockchain Integration:**
   * Support for Ethereum, Solana, Binance Smart Chain, and more.
   * Use Web3.js, Solana Web3.js, **AppKit,** or equivalent libraries for blockchain interactions.
7. **Notifications:**
   * Real-time alerts via webhooks, push notifications, or email.
8. **User Flow**
   * User connects their wallet (e.g., MetaMask or Phantom).
   * User interacts with the chatbot:
     + Queries about launches, token prices, or participation history.
   * Chatbot retrieves real-time data using blockchain and market APIs.
   * Responses are displayed conversationally in the chat interface.
   * User sets alerts for price thresholds or new token launches.
9. **Technologies Used**
   * **Frontend:** React.js / Next.js, Wallet Adapters for multiple blockchains.
   * **Backend:** Node.js, Express.js, Blockchain APIs (e.g., Ethereum RPC, Solana RPC).
   * **APIs:** CoinGecko, Pyth Network, or similar for real-time market data.
   * **Notifications:** Webhooks, Push Notifications, Email Services.
10. **Demo Walkthrough**
    * User opens the chatbot and connects their wallet.
    * User queries:
      + "What are the upcoming launches on Binance Smart Chain?"
      + "What is the price of Token X?"
    * Chatbot responds with real-time data.
    * User sets an alert:
      + "Notify me when Token Y price exceeds $5."
    * Alert is triggered when conditions are met.
11. **Benefits**
    * **Convenience:** Access launchpad and token data directly via chat.
    * **Real-Time Updates:** Always get the latest blockchain and market information.
    * **Custom Alerts:** Stay informed without manually checking for updates.
    * **User-Friendly:** Simplified interface for both new and experienced users.
12. **Future Enhancements**
    * **DeFi and Staking:** Track staking opportunities and rewards.
    * **NFT Launch Integration:** Include NFT drops in launch tracking.
    * **Advanced Analytics:** Token performance trends and portfolio analysis.
    * **AI Insights:** Recommend launches based on user preferences.
13. **Conclusion**The Multichain Token Launchpad Tracker simplifies managing token launches across blockchains with an intuitive, conversational experience. By combining wallet authentication, real-time market data, and launch tracking, users can easily stay informed and make timely decisions.