■ Botverse AI - Project Design Document

Project Overview:
Botverse AI is a web platform where users can design, personalize, and interact with custom AI personalities. Each bot carries a unique tone, mood, and communication style, offering realistic and context-aware conversations. This system is ideal for entertainment, personal engagement, and emotional interaction while maintaining safety and non-explicit boundaries.

Tech Stack:
Frontend: React + Tailwind + Vite
Backend: Express.js + Node.js + MongoDB
AI: OpenAI GPT-4o-mini
Auth: JWT + Cookies
Deployment: Vercel + Render + MongoDB Atlas
Storage: Cloudinary for avatars

Category	Mood Type	Description
■ Romantic	Warm, caring, flirtatious	Engages in affectionate, emotionally intelligent conversation.
■ Fun	Witty, playful	Cracks jokes, double-meaning humor, and meme-style responses.
■ Motivational	Confident, supportive	Acts as a personal coach, providing guidance and positive energy.
■ Emotional	Calm, empathetic	Listens deeply, responds softly, and provides comfort.
■ Roleplay	Creative, immersive	Engages in fun character-based conversations and scenarios.
■ Knowledge	Smart, factual	Shares insights, learns user interests, and explains complex ideas simply.
■ Gamer	Energetic, chill	Talks about games, streams, strategies, and tech trends.
■ Creative	Artistic, thoughtful	Writes poems, crafts stories, and sparks inspiration.

Future Scope:
• Voice Chat Integration (ElevenLabs or Web Speech API)
• AI Memory Vault for persistent personality memory
• Gamified AI Dating & Friendship Experiences
• Marketplace for community-created bots
• Subscription tiers for advanced mood models