Absolutely! Here is a comprehensive, **current and forward-looking feature list for EDM Shuffle**—based on all recent project files, agent definitions, business plans, audits, CrewAI blueprints, and your latest vision for the platform. This list covers **core, advanced, and experiential features** for the final product.

**🎛️ EDM Shuffle Final Feature Set**

**I. User & Community Core**

* **User Registration, Sign-In & Profiles** (Supabase)
* **Persistent User Settings** (DJ prefs, theme, deck config, element/archetype, favorites)
* **PLUR Fam Avatar & Elemental Alignment**
  + Take an initial quiz to discover your “element” (e.g. Fire, Water, Air, Earth, Spirit)
  + Ability to switch/visit other elemental “vibes” at will
  + Avatar customization: outfit, accessories, element effects

**II. Virtual DJ Station (Pioneer FLX-10 Inspired)**

* **Two-Deck Mixer UI** (FLX-10 layout: crossfader, jog wheels, cues, FX, mixer)
* **Real Audio Output with Web Audio API**
  + Play/pause, cue, pitch/frequency, gain/volume per deck
  + Selectable high-quality open-source music, samples, and stems
  + BPM sync, waveform sync, hot cues, looping
  + Waveform selection (sine, saw, square, triangle)
  + Effects chains: filter, echo, reverb, etc.
  + Drop/boost controls (“DROP MY SET”)
  + Real-time visual audio meters and waveform displays
  + “Sound Pack Loader” for importing/using additional sounds and stems
  + Live equalizer: multi-band EQ with sliders, real-time adjustment
  + BPM matcher, cross-track BPM sync, transition tools
  + FLX-10-inspired controller mapping & controls
* **DJ Coach Agent** (CrewAI-powered, always available)
  + Real-time, context-aware coaching for all experience levels
  + Level-based tutorials (Beginner, Intermediate, Advanced)
  + Audio-reactive guidance bubbles, rating & XP rewards
  + Explains DJ concepts: beatmatching, FX, harmonic mixing, etc.

**III. Social, Festival & Community Features**

* **Virtual Festival Experiences**
  + CrewAI “Festival Scouter” and “Virtual Festival Architect” agents generate immersive 3D festival scenes (forest, desert, city, beach, etc.)
  + Festival lineups, schedule, and theme curation
  + Live chat and virtual crowd system
* **Gamification & PLUR Challenges**
  + Daily, weekly, and event-based shuffle dance challenges
  + Mini-games: rhythm games, dance-offs, avatar battles, quiz games
  + “Elemental” leaderboards & rewards
  + XP, badges, virtual festival passes, collectible gear
* **Shuffle Coach & Dance Tutorials**
  + CrewAI Shuffle Coach agent provides video/text step guides
  + Personalized training plans & progress tracking
  + Feedback system and social sharing
* **Marketplace & Fashion**
  + EDM/rave fashion and accessory curation
  + NFT wearables and digital item marketplace
  + Festival gear shop (print-on-demand integration)

**IV. Content & Media**

* **Music Library & Open-Source Licensing**
  + Curated legal, open-source, and royalty-free EDM tracks
  + In-app playlist curation by agents and users
  + User-uploaded sound packs (with moderation)
* **Event Finder & RSS Integration**
  + Automated discovery and display of upcoming global EDM festivals
  + Agent-driven RSS and live data scraping for new events
* **Blog & Artist Spotlights**
  + CrewAI-generated spotlights on trending artists, festivals, and dance trends
  + Community-submitted content, photos, and video reels

**V. Technical & Backend**

* **CrewAI Multi-Agent System**
  + All 10+ CrewAI agents available for orchestration, teaching, data, content, QA, and automation
  + Modular orchestration (festival planning, event lineup, analytics)
  + Monitoring and health checks
* **Supabase Integration**
  + Edge Functions for crew workflows, user data, gamification, event logs
  + Secure, scalable user and content storage
* **Robust Security & RLS Policies**
  + Role-based access, audit logs, secret/key management
  + Input sanitization, rate limiting, real-time system health checks

**VI. UI/UX, Accessibility & Immersion**

* **Beautiful, animated UI** (Tailwind, Framer Motion, custom illustration)
* **Themed backgrounds** (elemental/seasonal, festival-inspired, dynamic visuals)
* **Dark/light mode, colorblind options**
* **Mobile & Desktop Responsive**
* **Accessibility and inclusivity (QA agent oversight)**

**Advanced & Stretch Goals**

* **AI-Generated Mixes and Stems (future)**
  + In-app remixing, AI beat generation, custom song creation
* **3D Virtual World / WebGL Stages**
* **Advanced analytics dashboards (Data Oracle agent)**
* **Marketplace payouts, affiliate integrations**

**Summary Table**

| **Category** | **Features** |
| --- | --- |
| **User** | Registration, settings, avatars, elemental quiz |
| **DJ System** | FLX-10 UI, real sound, BPM/EQ, waveforms, coach agent |
| **Social** | Virtual festivals, chat, games, leaderboards, challenges |
| **Content** | Open-source music, blog, events, artist spotlights |
| **Agents** | 10+ CrewAI agents, orchestration, QA, analytics |
| **Marketplace** | Fashion shop, NFTs, digital items |
| **Tech** | Supabase, Edge Functions, security, mobile-ready, accessibility |

**If you want a printable/markdown/Notion-optimized checklist, just say the word!**

If you want any section detailed, or want a launch roadmap, let me know!