

AI Music Discovery App — Product Requirements & Feature Spec

Core Concept

An app that connects to your existing streaming playlists (Spotify, Apple Music, YouTube Music, Tidal, Amazon Music) and uses AI to build a deep taste profile, then surfaces artists and songs you've never heard but will love.

Streaming Integration

- **Multi-platform sync** — connect Spotify, Apple Music, YouTube Music, Tidal, and Amazon Music simultaneously
 - **Playlist & library import** — pulls liked songs, saved albums, followed artists, and listening history (not just playlists)
 - **Live sync** — re-analyzes your taste as your library evolves over time
 - **Cross-platform deduplication** — recognizes the same song across services so your taste profile isn't skewed
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AI Taste Engine

- **Deep audio fingerprinting** — analyzes tempo, key, energy, instrumentation, vocal style, and production era of every track
- **Mood & context mapping** — identifies patterns like “you listen to lo-fi on weekday mornings” or “upbeat pop on Friday nights”
- **Genre DNA breakdown** — shows you a visual map of your taste (e.g., 40% indie rock, 25% R&B, 20% electronic)
- **Influence graph** — traces the musical lineage of your favorite artists to surface their predecessors and successors
- **Lyrical theme analysis** — identifies recurring themes in songs you gravitate toward

(nostalgia, rebellion, love, etc.)

Discovery Features

- **“Sonic Twin” matching** — finds underground or lesser-known artists who sound nearly identical to your favorites
 - **Era bridging** — suggests classic artists you’ve never explored who directly inspired your current favorites
 - **Deep cut surfacing** — finds B-sides, album tracks, and rarities from artists you already like but haven’t fully explored
 - **Rising artists radar** — highlights artists with under 50K monthly listeners who fit your profile before they blow up
 - **Collaborative filtering + AI hybrid** — combines what similar users love with pure audio analysis so you’re not stuck in a bubble
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Personalization Controls

- **Discovery dial** — a slider from “Sounds just like what I love” to “Wildly different but still me”
 - **Block genres/moods** — exclude things you never want to see (e.g., “no country,” “no sad songs right now”)
 - **Pinning** — mark a specific artist or song as a strong signal to skew discovery further in that direction
 - **Feedback loop** — thumbs up/down on every recommendation instantly retrains your profile
 - **“Not now” vs. “Never”** — distinguish between music that doesn’t fit your current mood vs. music you genuinely dislike
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Playlist & Queue Tools

- **Auto-generated discovery playlists** — weekly drops like “Your Next 10 Favorite Artists” and “Songs You Missed This Decade”

- **Mood playlists on demand** — type “focus music for a deadline” or “Sunday morning cooking” and AI builds a playlist from discoveries
 - **Crossover playlists** — if you and a friend connect, generates a shared playlist both of you will love
 - **Export to any platform** — send a generated playlist directly to Spotify, Apple Music, etc. with one tap
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Artist Deep Dives

- **Artist DNA card** — for any recommended artist, shows why they match your taste (e.g., “Similar vocal style to Frank Ocean, production style like Bon Iver”)
 - **Listening roadmap** — a suggested order to explore a new artist’s catalog (best entry point → deep cuts → live recordings)
 - **“Who influenced them”** — an interactive graph of an artist’s musical ancestry
 - **Similar artist web** — visual constellation of related artists, color-coded by how close they are to your taste
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Insights & Stats

- **Taste evolution timeline** — shows how your music taste has shifted month by month over the years
 - **Listening personality profile** — labels like “Early Adopter,” “Catalog Diver,” or “Mood Listener”
 - **Discovery score** — tracks how adventurous your listening is and gamifies broadening your taste
 - **“You slept on this”** — resurfaces artists you were recommended 6 months ago that have since blown up
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Social & Community

- **Taste compatibility score** — compare your music DNA with friends as a percentage
- **Discovery feed** — see what new artists people with similar taste are loving right now

- **Shared discovery sessions** — listen to new music together in real time and react together
 - **Public taste profiles** — optional shareable profile showing your genre breakdown and top discoveries
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Monetization Strategy

Tier	Price	Features
Free	\$0	1 platform sync, 5 discoveries/week, basic taste profile
Premium	\$6.99/mo	All platforms, unlimited discovery, full AI insights, export
Family	\$12.99/mo	5 profiles, family taste overlap feature
Artist Partnership	Paid placement	Labels pay for “Sounds Like” placement (clearly labeled, non-intrusive)

Key Differentiator

The key differentiator is combining **audio-level AI analysis** (not just genre tags) with **behavioral pattern recognition** from your actual listening history — meaning it finds music that fits *how* you listen, not just *what* you listen to. Most discovery tools optimize for engagement; this one optimizes for the feeling of finding a new favorite artist.