**AI Music Composer Website Prototype**

**Introduction:** The AI Music Composer is a website prototype designed in Figma that enables users to generate music playlists based on their emotions. The platform utilizes artificial intelligence to create a personalized listening experience, allowing users to input their emotions and receive a customized playlist. Additionally, users have the option to listen to individual tracks within the playlist. The goal of this platform is to enhance the way people interact with music by providing them with AI-driven recommendations that cater to their mood and emotional state.

**Features of the AI Music Composer Website:**

1. **Emotion-Based Playlist Generation:** The website prompts users to select or input their current emotional state, such as happiness, sadness, relaxation, excitement, or other moods. Based on this input, the AI analyses the mood and compiles a playlist with songs that match the emotional tone, ensuring a highly personalized experience.
2. **Individual Track Listening:** Users are not restricted to listening to the entire playlist. Instead, they can explore and play individual tracks, allowing them to discover specific songs that resonate with them before playing the full list.
3. **User-Friendly Interface:** The website is designed with a clean and intuitive interface to ensure easy navigation. The layout is structured to make the experience seamless, from selecting emotions to playing music.
4. **Dynamic AI Recommendations:** The AI system continuously improves its recommendations based on user feedback. If a user frequently skips certain songs or rates them low, the AI adjusts future recommendations accordingly.

**Design Process in Figma:**

1. **Wireframing:** The design process began with creating wireframes, which provided a basic structural layout of the website. This step helped visualize user navigation paths and the positioning of different interface elements.
2. **UI Design:** The next step involved selecting colours, fonts, icons, and overall aesthetics to create an engaging and visually appealing user interface. Special attention was given to ensuring that the colour scheme complemented the emotional theme of the website.
3. **Prototype Development:** After finalizing the UI design, interactive elements were added using Figma's prototyping features. This allowed for simulating user interactions, such as clicking on emotions, playing songs, and navigating through the website.
4. **Testing & Refinements:** The prototype was tested for usability, and necessary refinements were made based on user feedback. Elements such as button placements, transitions, and responsiveness were adjusted to enhance the overall user experience.

**Future Enhancements:**

* **Integration with Music Streaming Platforms:** Future versions of the website can integrate with popular streaming services like Spotify, Apple Music, or YouTube Music to provide users with direct access to full-length songs and playlists.
* **AI Improvement for Better Mood-Based Recommendations:** Continuous learning algorithms can be implemented to refine playlist suggestions based on user interactions and listening history.
* **User Account Features to Save Playlists:** Introducing user accounts would allow users to save their favourite playlists, revisit past selections, and even receive AI-generated recommendations based on their historical preferences.
* **Social Sharing Options for Music Discovery:** A feature to share AI-generated playlists with friends and family through social media platforms can be added, making music discovery more interactive and community-driven.

**Conclusion:** The AI Music Composer website prototype is an innovative approach to music personalization. By leveraging artificial intelligence, the platform enhances user experience through tailored playlists, making music discovery more intuitive and enjoyable. With planned enhancements and integration with streaming platforms, the AI Music Composer has the potential to revolutionize the way users engage with music, providing them with a seamless and emotion-driven listening experience.