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This prototype will demonstrate an AI-assisted music workflow that shows how artificial intelligence can support, rather than replace, human creativity. The prototype will focus on using an AI music tool to generate initial musical ideas such as melodies, chord progressions, rhythms, or variations. These ideas will then be imported into a digital audio workstation, where they will be edited, refined, and expanded by me into a complete musical section. The purpose of the prototype is to show how AI can help overcome creative blocks, speed up the ideation process, and give musicians more room to experiment with sound and structure.

The key function of the prototype is idea generation, where AI is used to quickly produce musical starting points. Another important function is the integration of these ideas into a DAW, ensuring they align with tempo and structure. Human editing and refinement play a central role in the prototype, highlighting note changes, sound selection, and basic mixing decisions that transform AI-generated material into a personalized result. The prototype also demonstrates expansion, turning a small AI-generated idea into a longer, usable musical section such as an eight-bar loop or short composition. Finally, the workflow will be documented to clearly show the difference between the original AI output and the final edited version.

The first stage of development will focus on building a minimum viable prototype. This involves selecting one AI music tool, generating a single musical idea, importing it into the DAW, and editing it into a clean and functional musical loop. Audio exports will be created to compare the original AI-generated idea with the final refined version. Once this foundation is complete, the prototype can be expanded by adding more AI-generated elements, extending the music into a longer section, and documenting the process with screenshots or recordings. The completed prototype will be presented as a working DAW session, supporting audio examples, and a short written explanation that outlines the workflow and its creative impact.