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Melody Maker

**Description**

I want to create a song creating studio where the program generates a song for the user based on an input melody. The input melody will come from a recording of the user whistling to the song. Then the melody will be analyzed by my program and the relevant chords to their melody will be extrapolated. Then I generate an original song for the user that uses their melody and have an option to replay it to the user. The project also will include an editor after the song is created to change and edit the chords/melody to the user’s liking.

**Similar Projects**

PyMusic Studio by Tommy Lau (<https://www.youtube.com/watch?v=wLJQ_9RQ-Bo>)

* Similar recording libraries
* The layout of the studio
* Add on to the editor he created

Music Aid by Yuqi Zhou (<https://www.youtube.com/watch?v=uYYXtJNA0IU>)

* Like the music editor she’s using
* Can add multiple parts to the music.
* Can transpose the notes into different keys

**Version Control**

Will use OneDrive to back up my files in addition to GitHub

OneDrive Folder

A screenshot of a computer

Description automatically generated