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Module `chords_progression`

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Classes

`class ChordsMarkovChain (main_path: str)`

Implements a second order markov chain used to get the next chord progression to feed to the neural network.

Constructor for ChordsMarkovChain class. It reads first and second order transitional arrays along with their associated chord symbols from csv files given the path of the src folder.

Args:

`main_path` : Path of the src folder passed down from the main script.

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Methods

`def get_next_chord_progression(self, mood: str, chords_in_bar: int, new_song: bool)`

Generates a new chord progression either based on the previous or from scratch depending on if the user liked the previous song played by the application.

Args:

`mood` : Mood of the progression to be generated.

`chords_in_bar` : Length of the chord progression in chords.

`new_song` : True if the user did not like the previous song.

Returns:

A new chord progression.

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`def set_key(self, key: str)`

Sets the key for the chord progression.

Args:

`key` : New key to be set.

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`def set_random_key(self)`

Sets a random key for the chord progression.

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