Idea:

A web app that can tell a guitar player the different harmonies and the notes involved with the harmony that can be played for a riff/phrase/lick.

Background information:

Lets assume that the guitar is tuned in E standard (also known as standard tuning).

A guitar neck has 12 notes.

12 notes:

E, F, F#, G, G#, A, A#, B, C, C#, D, D#

These notes are repeated throughout the entire guitar neck.

A picture containing text

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Therefore, if you know the starting point of your phrase or lick, then you can easily predict the next notes.

Things to know to find the Harmony:

1. Know what scale your in.

For example, lets take A major scale. The A major scale has 7 notes. A lot of scales/modes have 7 notes. In this case the notes are, A, B, C#, D, E, F#, G#,

1. Know your intervals.

There are different kind of intervals. Here are some of them. One thing to keep in the back of your mind is that an interval is the distance between the root note, and the next note you are trying to play. Here is an example:

Chart

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Here is how you would construct a harmony for a lick using the A major scale starting in the 5th position.

Starting from the LOW E string 5th fret you have A. In the A major scale, the first note of the scale is A. This is the starting point of your lick. Next, let’s say you want to create a harmony. More specifically, you want setup a harmony that is a 3rd away from the root note A. Depending on how you look at it and what scale/mode you are in the 3rd will be major or minor (but, we can worry about that later). The question is, where is the starting point of this harmony.

You just have to count the notes. So, you start at A which is 1. Then you have 2 which is B, then the 3 which is C#. C# is where the note is for the harmony. If you look at all the notes C# is on the A string 4th fret. And depending on what you are trying to do, C# is also located on the low E string 9th fret. This would be another starting point.

You have to keep in mind of the notes of the A major scale, and the pattern that the scale follows.

Here are some references:

Chart, bubble chart

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Diagram

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Things you need:

You the scale/mode

You need the key

Starting note and ending note/ or all the notes of your riff

Interval

Input:

Scale – major

Key – A

Starting note and ending note – or all notes : A on 6th string 5th fret / B on 6 string 7th fret

Interval - 3

Output:

Harmony – C# on 5th string 4th fret / D on 5th string 5th fret