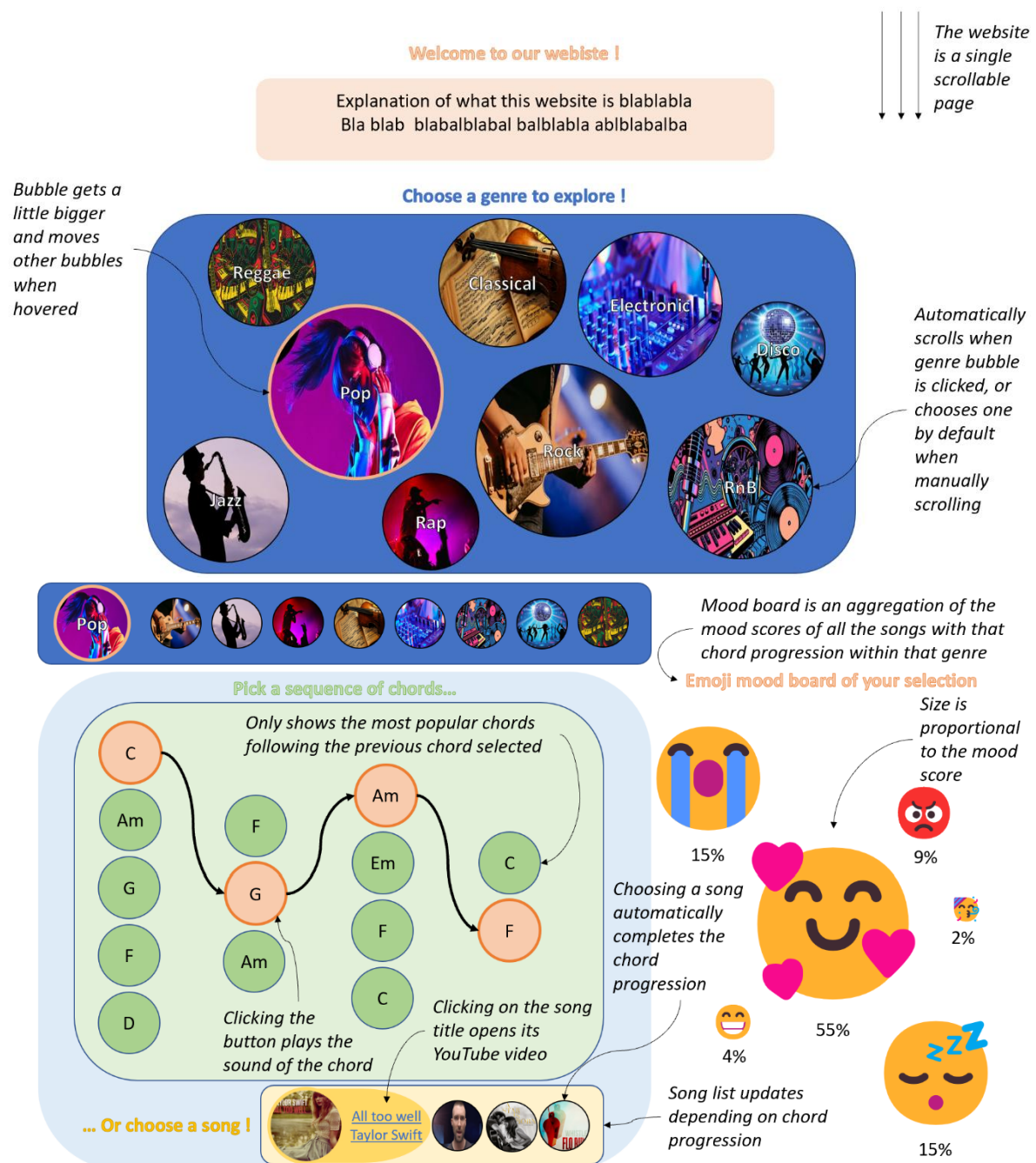# Milestone 2

Project Goal

Our idea is to be able to explore what make each music genre so unique by intuitively picking their most popular chord progressions and discover how that affects the emotion of the listener. For example, after picking a chord progression, you can see how the mood changes if you switch genre, or you could see the effects of changing one chord in the progression on the perceived emotion.

Minimum Viable Product

Our MVP will be to have the welcome page with selectable genre bubbles, and being able to choose chords in order to filter songs and get the corresponding emoji mood board.
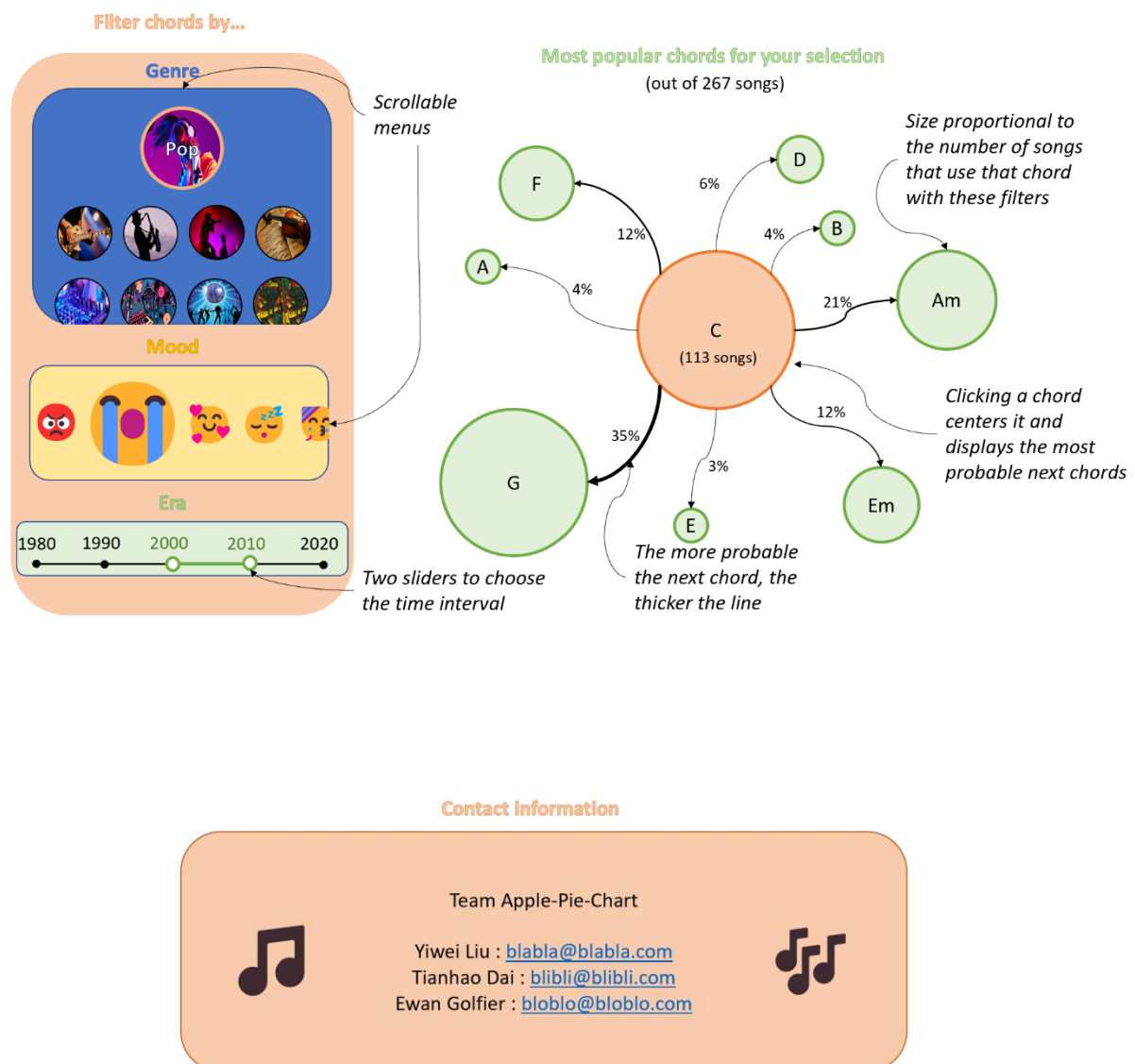
Ideas To Implement

We would like to animate the welcome genre bubbles when hovered, make the chords play a sound when clicked and automatically choose the correct chords when choosing a song. We would also like to make the transition from the welcome page to the mood board page smooth.

Extra Ideas

If we have time, we would like to add an extra functionality to the website, where we can filter the songs by genre, mood and era, and see what are the most popular chords and show the most popular next chord.

Lectures & Tools

We will need the lectures on design, colors, mark and channels and interactions to design the core visuals of our website. We will then need the lectures on sound viz, graphs and interactive D3 for our animations, interactions and sounds. We will use ReactHTML, CSS and JavaScript as our main foundation for the website. We will then use D3.js for our interactions and animations. We will need to use some Python (and particularly the pandas library) to precompute the available chord progressions, corresponding artists and moods.