

Final Project

1. Idea: Restate idea for final project

- a. Person: Guitar Enthusiast, Guitar Student, Life Learner
- b. Media: Video, Audio
- c. Interaction: Create and save loops to replay specific parts of the song
- d. Goal: Master difficult parts of a guitar song
- e. Visible:
 - i. Removal of loops to indicate mastering of part
 - ii. More than 10,000 seconds logged for a song in progress page
 - iii. Bonus: 10,000 hours logged for total = mastering guitar

2. Persona: Target user who will benefit from app

- a. Greg, age 32, is an accountant in Idaho who wants to bring music and happiness back into his mundane life.

Greg is a beginner and wants to learn his first fingerstyle guitar song, “7 Years” by Lukas Graham covered by somebody on YouTube. Being his first fingerstyle guitar song, Greg had trouble with multiple parts of the song, especially verse 2, and chorus 4.

Greg began replaying those particular sections of the video over and over again. In each replay, Greg had to drag his mouse to find the exact time in the YouTube video where the verse or chorus began. Grey began to feel frustrated and annoyed, because he had to continuously switch back and forth between his guitar and computer. He then decided to move on and listen to the rest of the song.

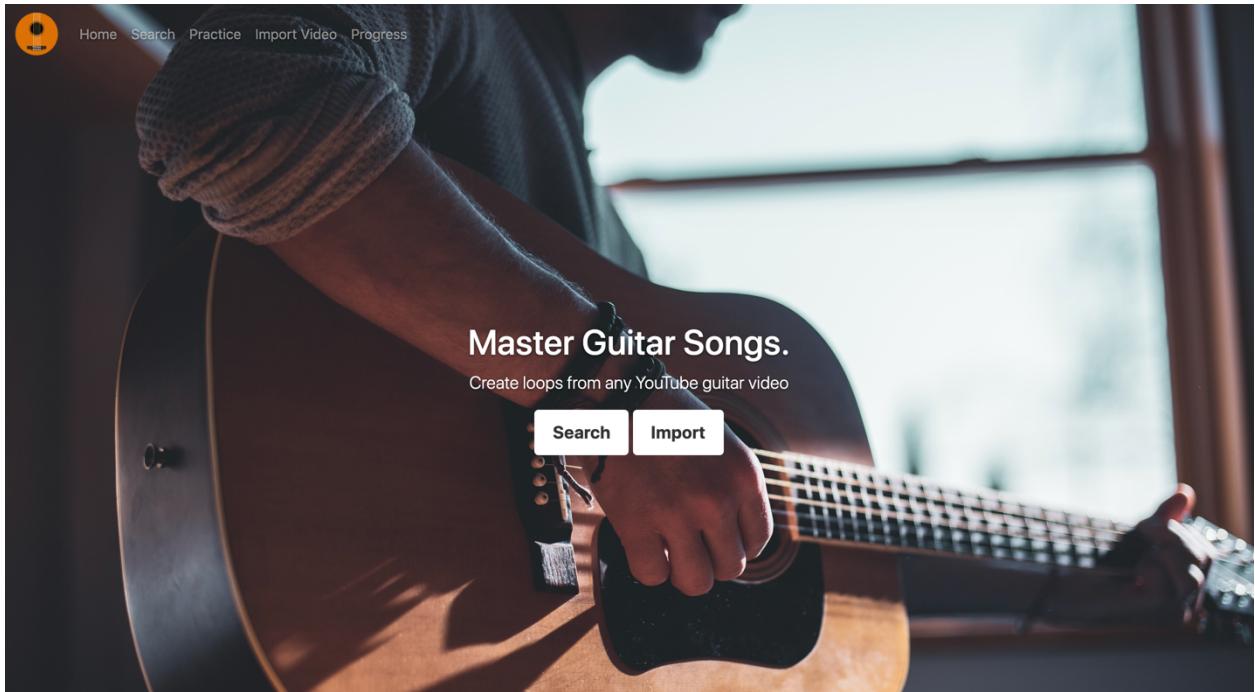
After the video ended, Greg realized he had forgotten the exact time that chorus 4 started. In a fit of rage and feeling of great loss, laid on the floor for a full 5 minutes, doing absolutely nothing. In those 5 minutes, Greg thought, if only YouTube could replay and save verse 2 and chorus 4 without me having to manually do it by hand.

- b. The primary difficulty with Greg’s goal is to have to drag his cursor, find the exact spot of the beginning part he wanted to replay, and click. He has to repeat this process every time he wants to replay a part for practice.

3. **Navigation:** 5 unique states (practice state has 2 states 3 & 4)

1. Home State

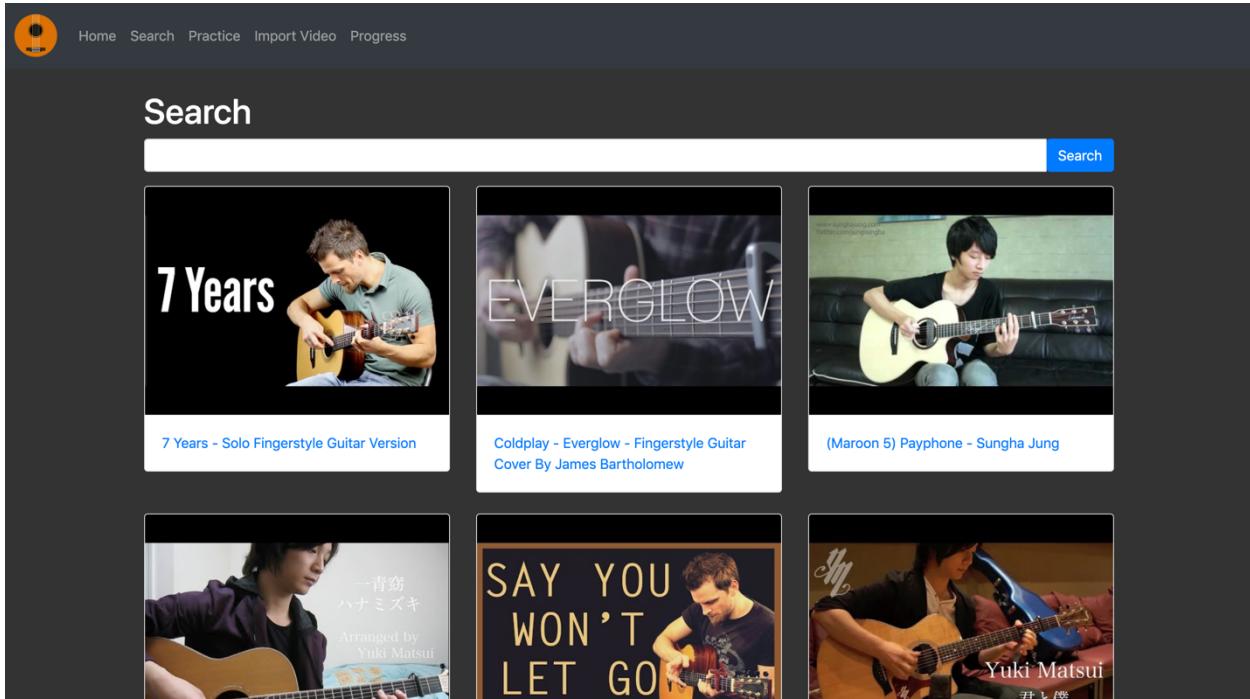
a. Screenshot:



- b. State: Inform user of purpose of app and starting steps
- c. Options: main highlighted Explore or Import video, can also get to all other states from navbar
- d. Transitions: select explore or import button

2. Search State

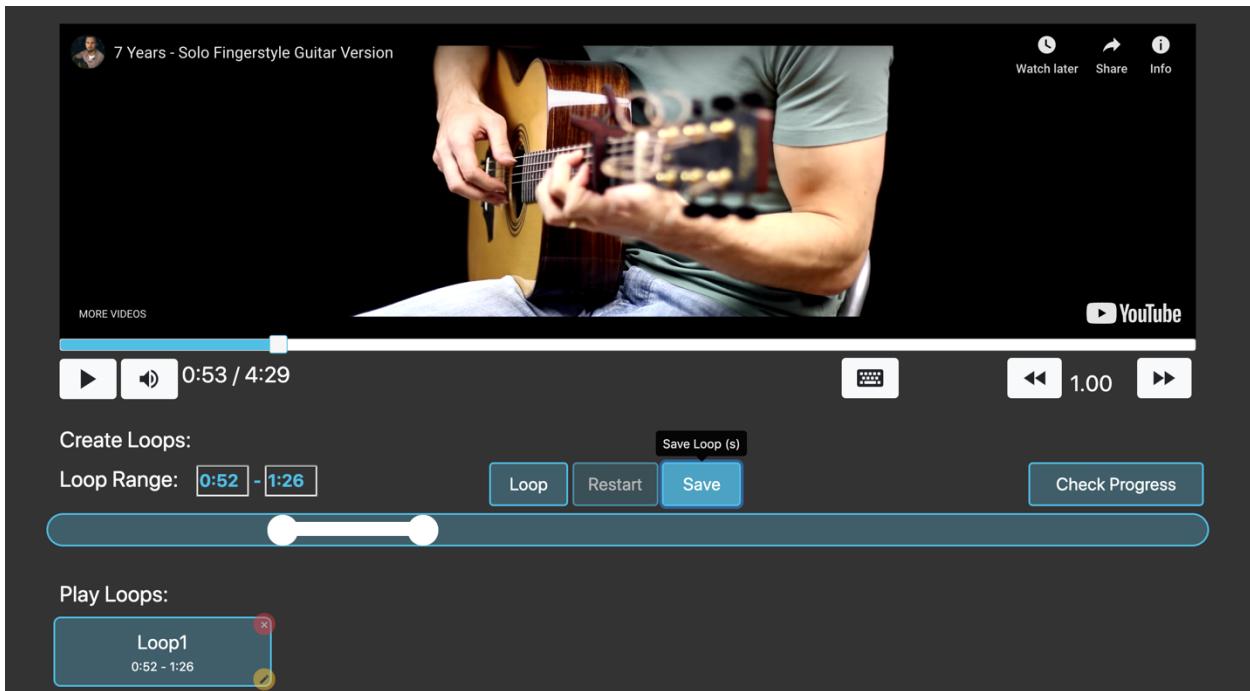
a. Screenshot:



- b. State: search for videos in the database
- c. Options: all the videos
- d. Transitions: select a video

3. Practice State (Create Loop State)

- Screenshot:

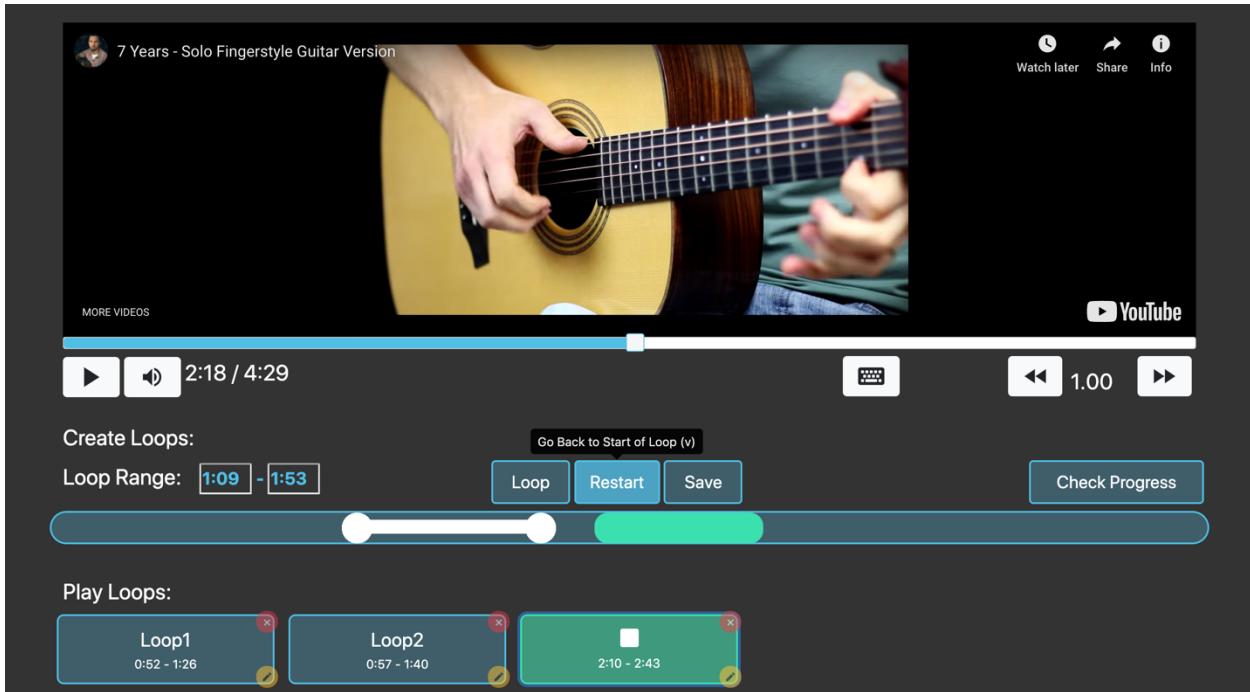


- State: create loops state

- Options: play/pause/speed video, create/save loops
- Transitions: click save button to create new loop

4. Practice State (Play Loop State)

- Screenshot:



- State: practice/master songs by playing saved loops
- Options: play/pause/speed video, play/pause loops
- Transitions: click/check progress

5. Import Video State

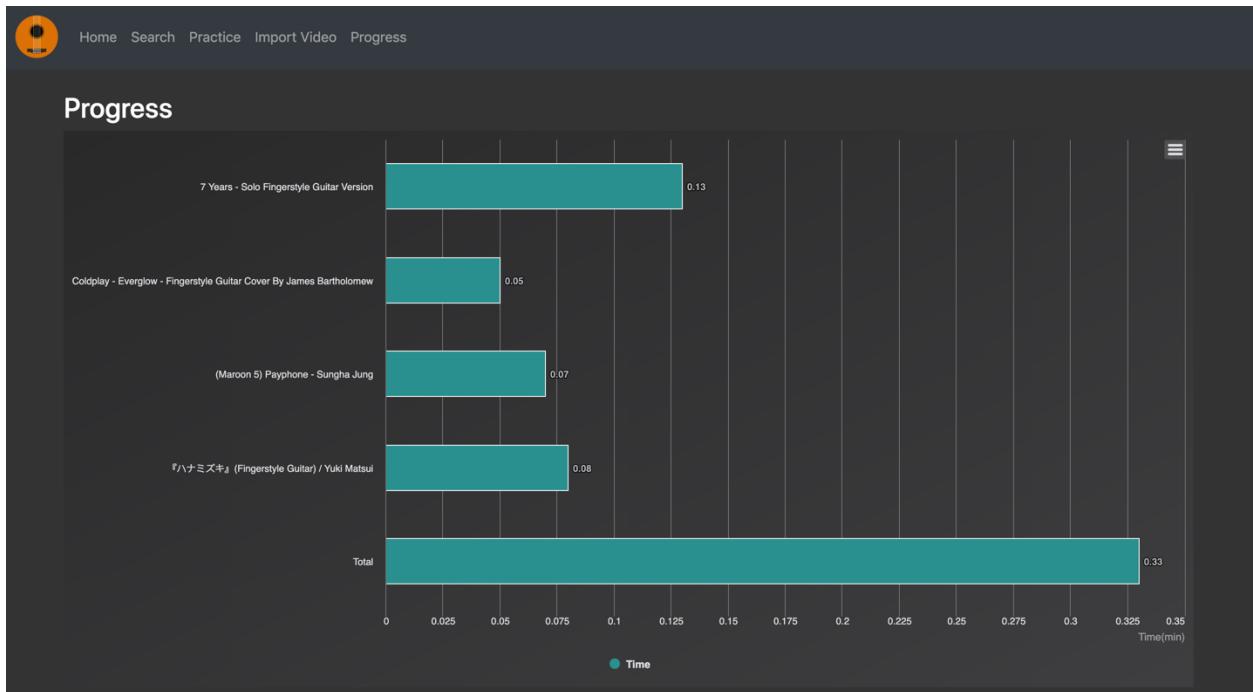
a. Screenshot:

The screenshot shows the 'Import Video' page. At the top, there is a navigation bar with links for Home, Search, Practice, Import Video, and Progress. Below the navigation bar, the title 'Import Video' is displayed. There are four input fields: 'Video Name' (with placeholder 'Name'), 'Video URL' (with placeholder 'https://www.youtube.com/watch?v=<videoid>'), 'Artist' (with placeholder 'Artist'), and 'Tuning (Optional)' (with placeholder 'EADGBE'). A blue 'Import' button is located at the bottom right of the form.

- b. State: import/add new video to database
- c. Options: input fields, import video
- d. Transitions: with valid import can click on link to lead to new video

6. Progress State

a. Screenshot:



- b. State: check progress of songs

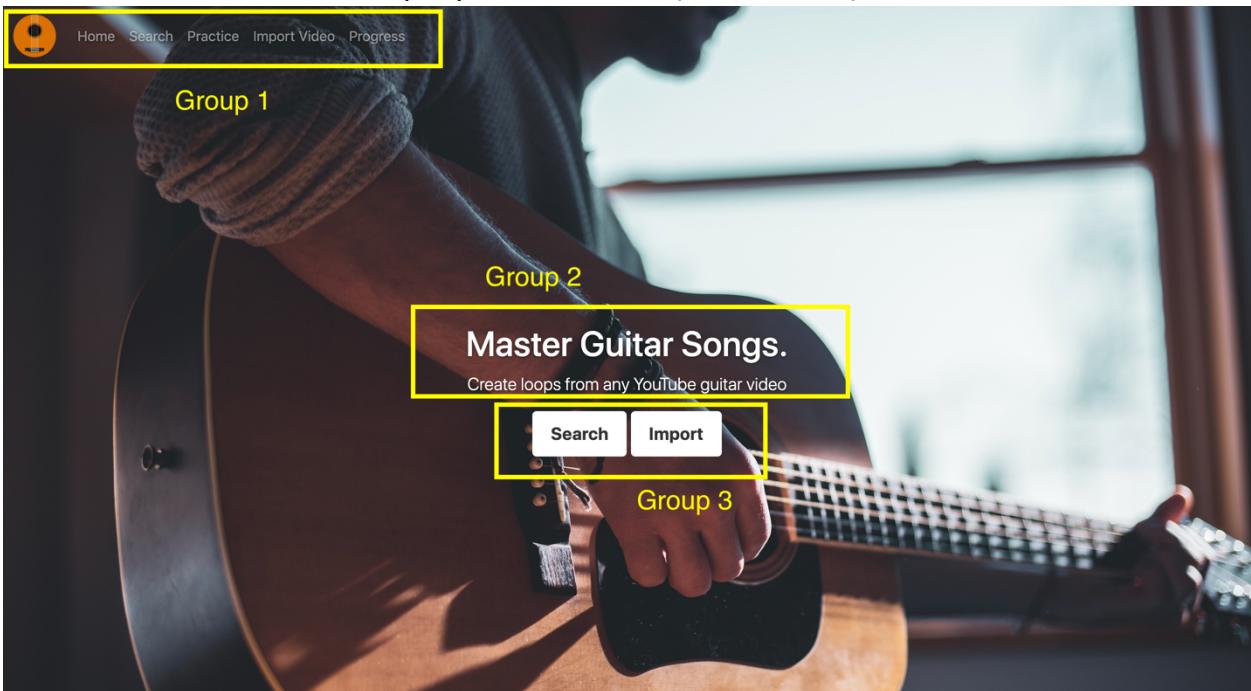
- c. Options: time input graphs and list of mastered songs
- d. Transitions: go back to other pages through navbar

4. Visual Information Design:

1. Home State

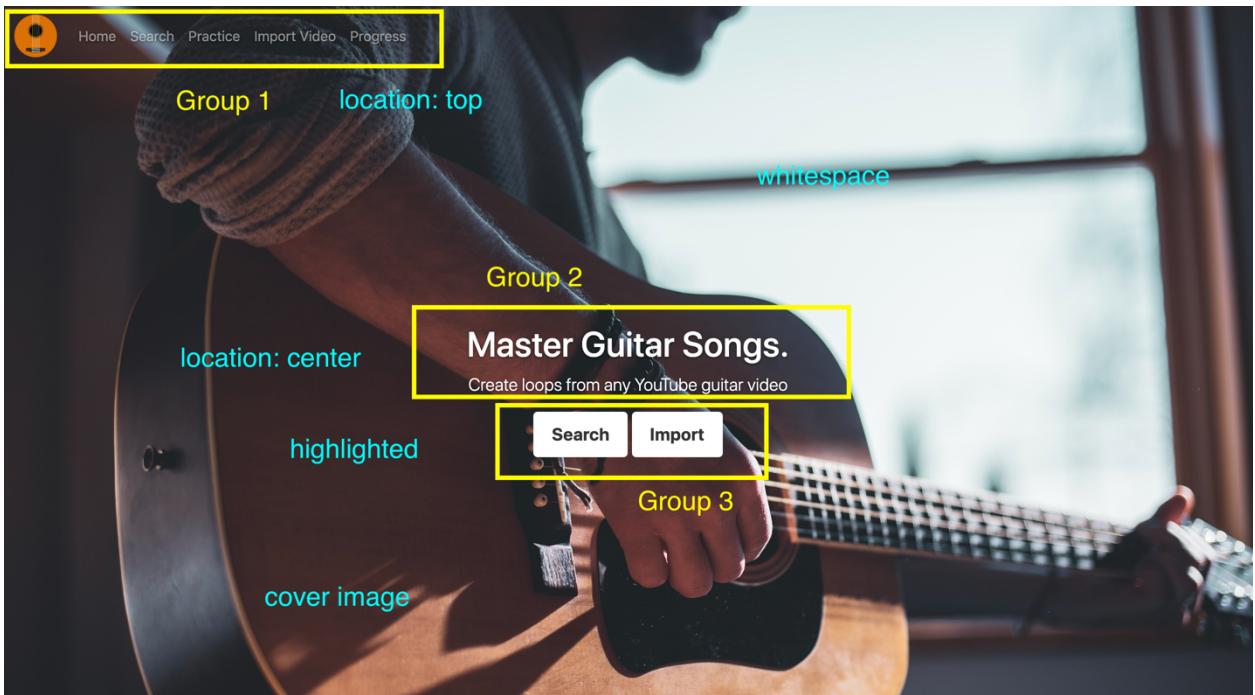
- a. Conceptual Groupings:

- i. Navbar, purpose, buttons (screenshot)



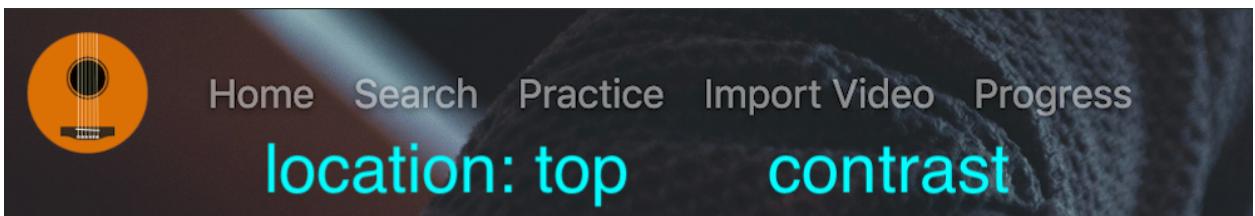
- ii. Location, whitespace, images

iii. Annotated screenshot



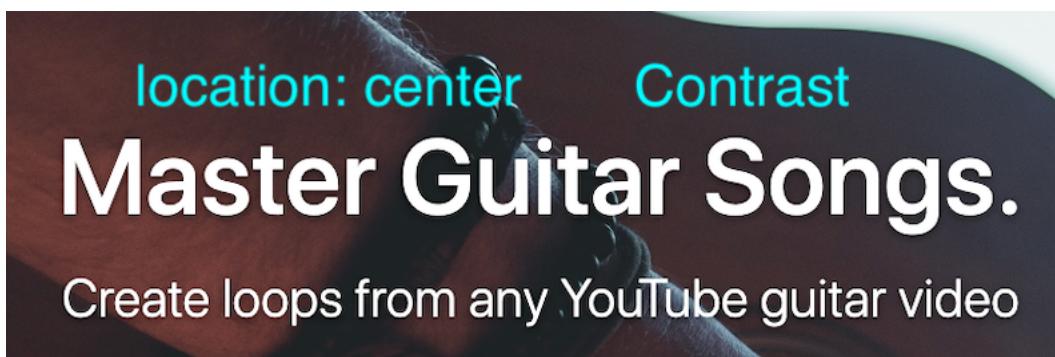
b. Group 1:

- i. The clickable sub-headers
- ii. Location, contrast
- iii. Annotated screenshot



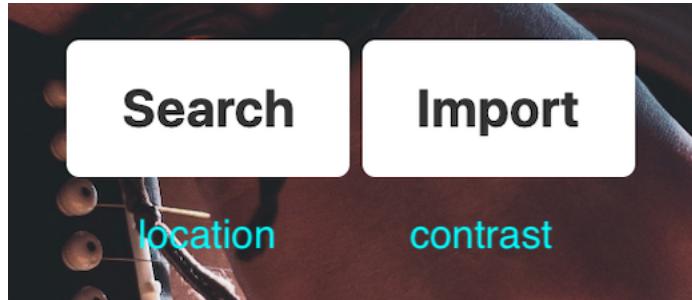
c. Group 2:

- i. The brief but clear description of purpose of app
- ii. Location, contrast
- iii. Annotated Screenshot



d. Group 3:

- i. Main transition functions
- ii. Location, contrast
- iii. Annotated Screenshot



2. Search State

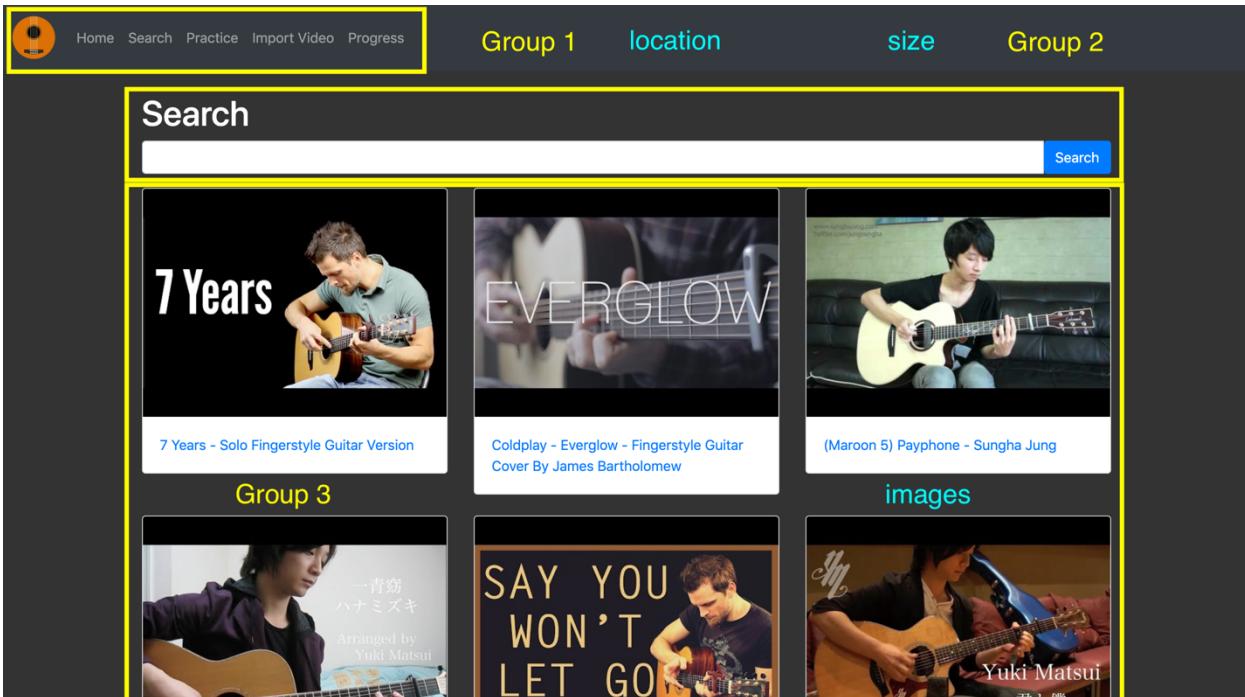
- a. Conceptual Groupings:
- iv. Navbar, search bar, results

The screenshot shows a dark-themed application interface. At the top, there is a navigation bar with a logo and links for Home, Search, Practice, Import Video, and Progress. Below the navigation bar, the screen is divided into three main sections labeled 'Group 1', 'Group 2', and 'Group 3'.

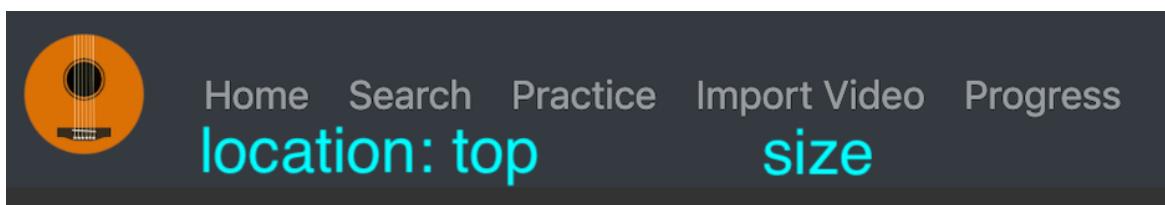
- Group 1:** Contains a 'Search' section with a search input field and a 'Search' button. Below the input field, there are three video thumbnail cards:
 - A card for '7 Years' featuring a person playing guitar, with the text '7 Years - Solo Fingerstyle Guitar Version' below it.
 - A card for 'EVERGLOW' featuring a person playing guitar, with the text 'Coldplay - Everglow - Fingerstyle Guitar Cover By James Bartholomew' below it.
 - A card for '(Maroon 5) Payphone - Sungha Jung' featuring a person playing guitar, with the text '(Maroon 5) Payphone - Sungha Jung' below it.
- Group 2:** Contains a single video thumbnail card for 'SAY YOU WON'T LET GO' featuring a person playing guitar, with the text 'SAY YOU WON'T LET GO' below it.
- Group 3:** Contains two video thumbnail cards:
 - A card for '一青窈 ハナミズキ Arranged by Yuki Matsui' featuring a person playing guitar, with the text '一青窈 ハナミズキ Arranged by Yuki Matsui' below it.
 - A card for 'Yuki Matsui' featuring a person playing guitar, with the text 'Yuki Matsui' below it.

- v. Location, size, images

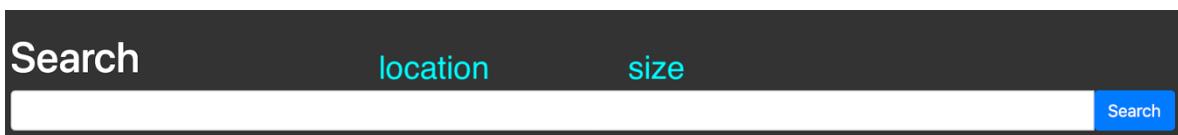
vi. Annotated screenshot



- b. Group 1:
 - i. The clickable sub-headers
 - ii. Location, size

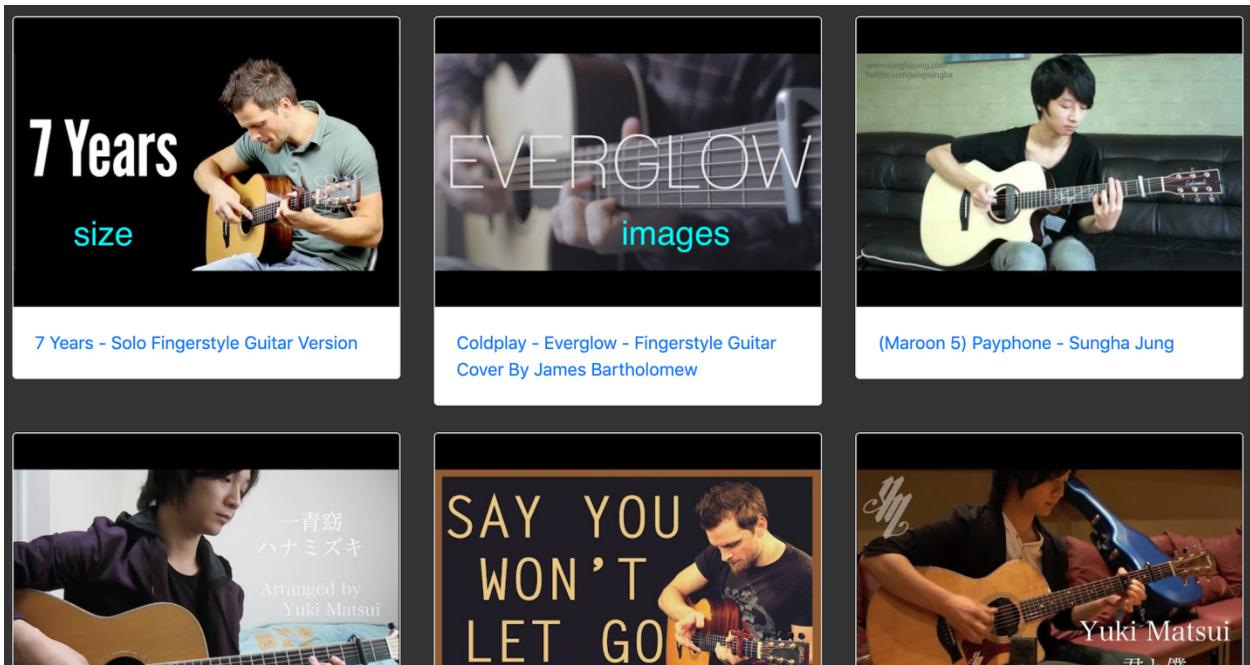


- iii. Annotated screenshot
- c. Group 2:
 - i. Explore/search bar
 - ii. Location, contrast
 - iii. Annotated Screenshot



- d. Group 3:
 - i. Results grid
 - ii. Size, images

iii. Annotated Screenshot



3. Create Loops

a. Conceptual Groupings:

- i. Video Controls, loop range and progress bar, loop create buttons

7 Years - Solo Fingerstyle Guitar Version

Watch later Share Info

YouTube

0:53 / 4:29

Create Loops:

Loop Range: 0:52 - 1:26

Save Loop (s)

Save

Group 1

Group 2

Group 3

Check Progress

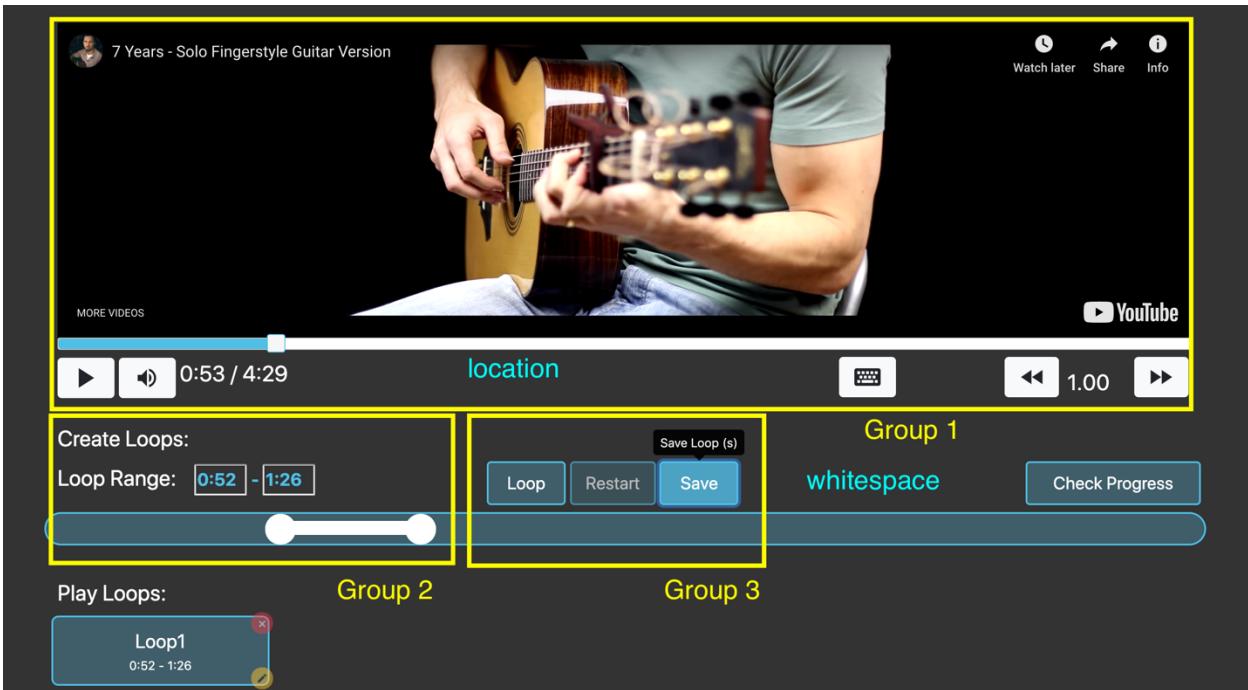
Play Loops:

Loop1

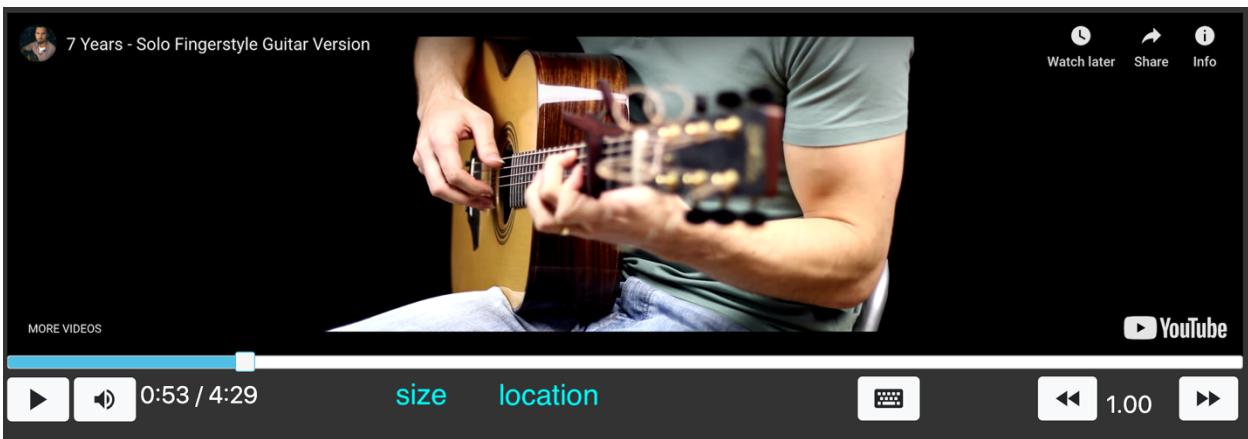
0:52 - 1:26

- ii. Location, whitespace

iii. Annotated screenshot

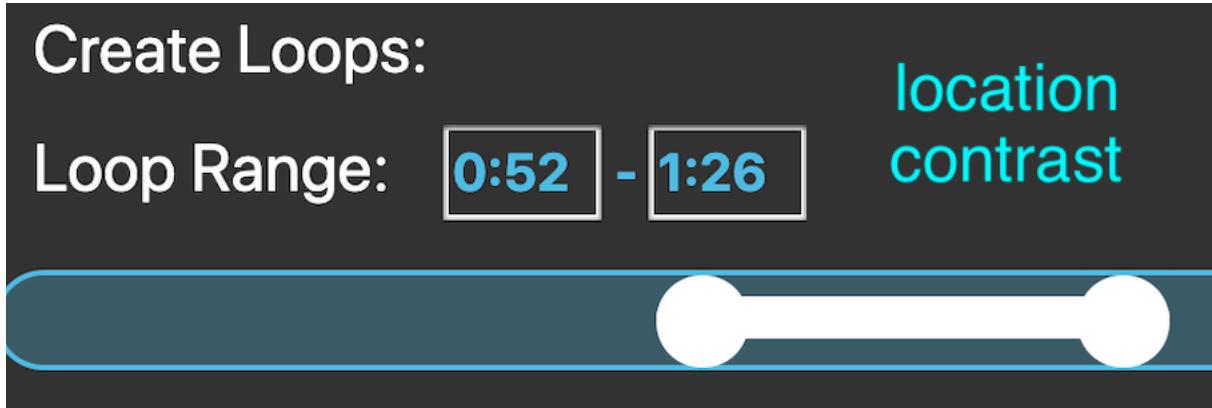


- b. Group 1:
- Video controls
 - Size, location
 - Annotated screenshot



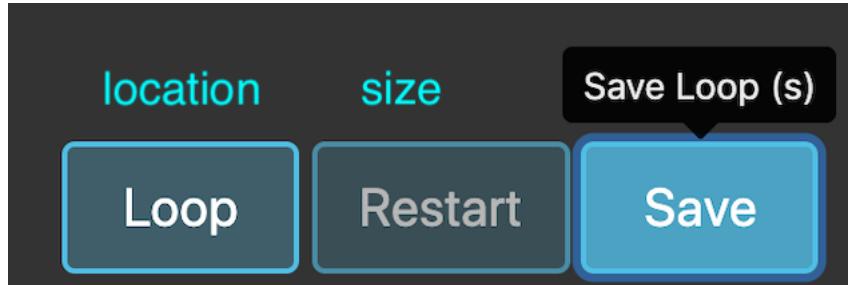
- c. Group 2:
- Loop range and progress bar
 - Location, contrast/color

iii. Annotated Screenshot



d. Group 3:

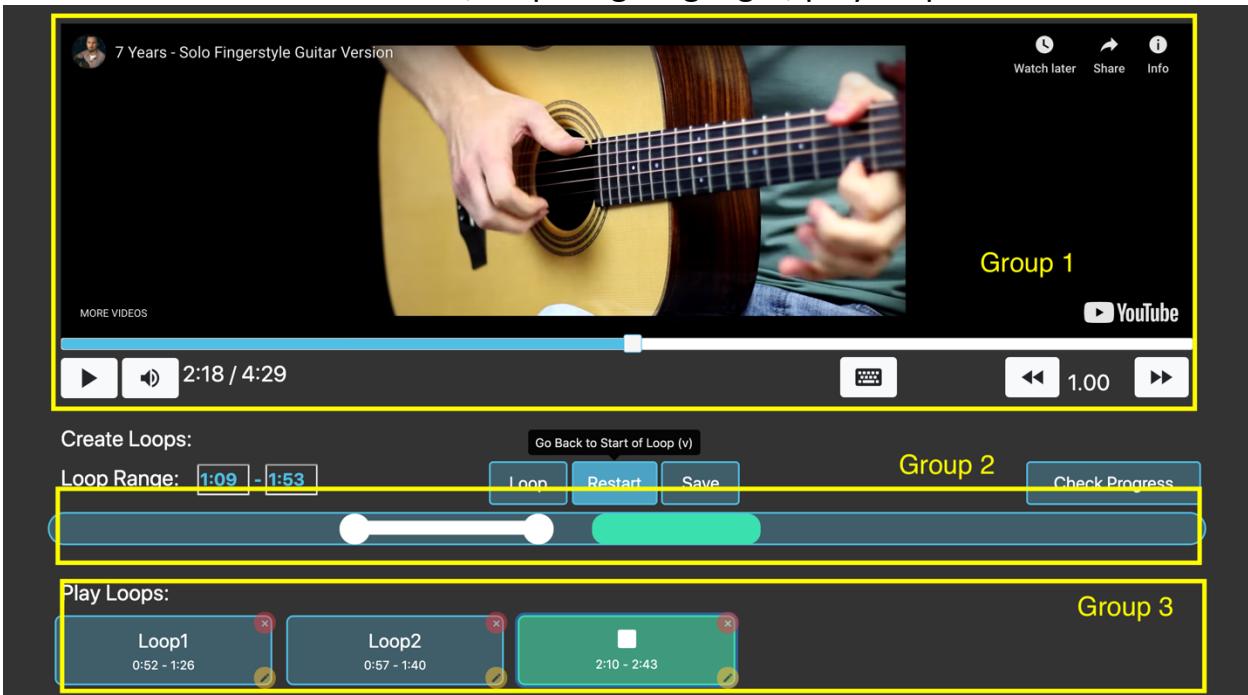
- i. Create loop buttons
- ii. Location, contrast
- iii. Annotated Screenshot



4. Play Loops

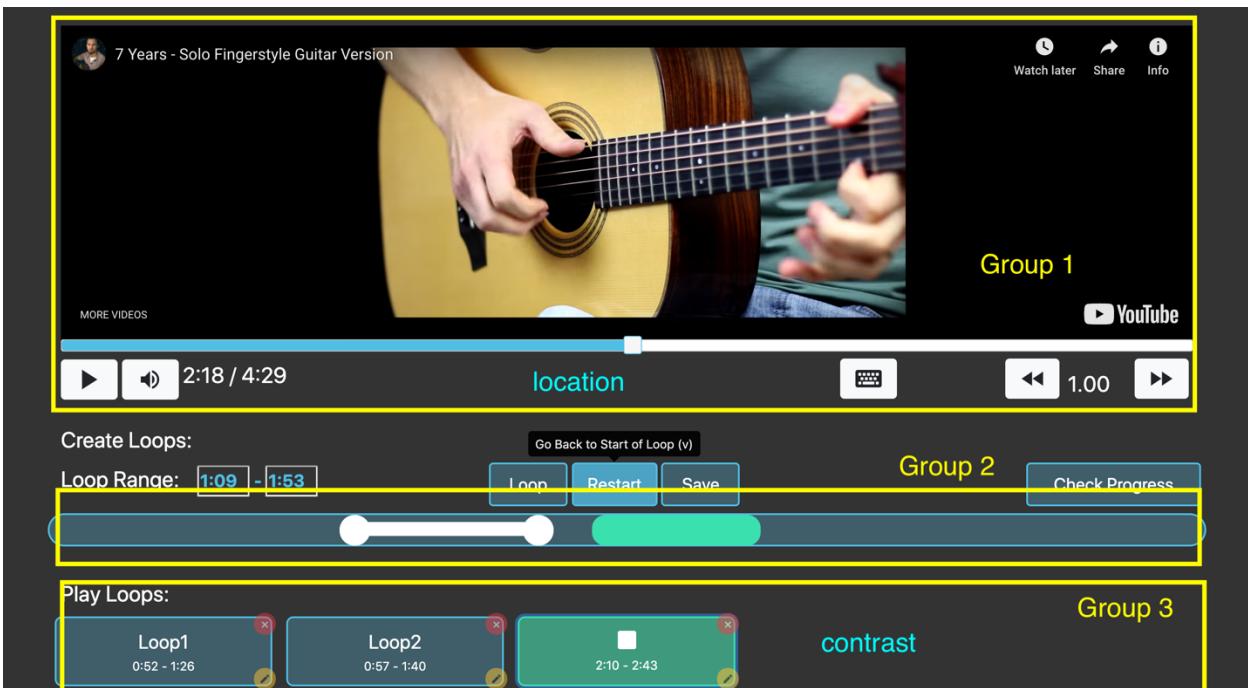
a. Conceptual Groupings:

i. Video Controls, loop range highlight, play loop buttons



ii. Location, size

iii. Annotated screenshot



b. Group 1:

iv. Video controls

v. Size, color

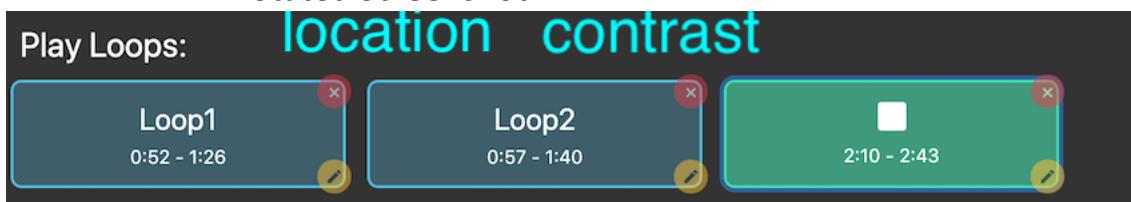
vi. Annotated screenshot



- c. Group 2:
 - iv. Loop range highlight
 - v. Location, contrast/color
 - vi. Annotated Screenshot



- d. Group 3:
 - iv. Play loop buttons
 - v. Location contrast
 - vi. Annotated Screenshot



5. Import Video State

- a. Conceptual Groupings:

i. Navbar, Input, Submit

Group 1

Import Video Group 2

Video Name Video URL

Artist Tuning (Optional)

Group 3

ii. Location, whitespace

iii. Annotated screenshot

Group 1 location

Import Video Group 2

Video Name Video URL

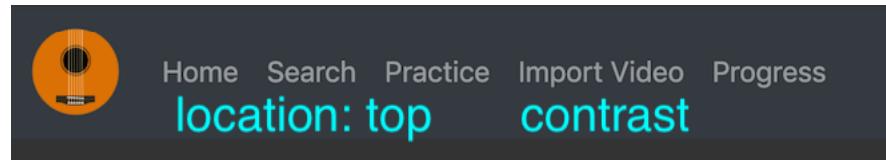
Artist Tuning (Optional)

whitespace Group 3

b. Group 1:

- i. The clickable navbar headers
- ii. Location, contrast

iii. Annotated screenshot



c. Group 2:

- i. Input fields
- ii. Location, whitespace
- iii. Annotated Screenshot

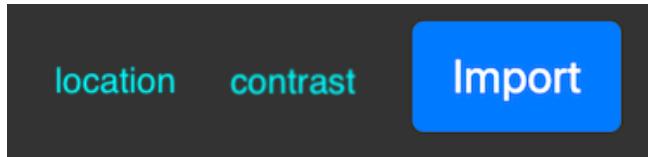
Import Video location: center whitespace

Video Name Video URL
Name https://www.youtube.com/watch?v=<videoid>

Artist Tuning (Optional)
Artist EADGBE

d. Group 3:

- i. Import button
- ii. Location, contrast
- iii. Annotated Screenshot



6. Progress State

a. Conceptual Groupings:

iv. Navbar, song names, progress bars



v. Location, size, images

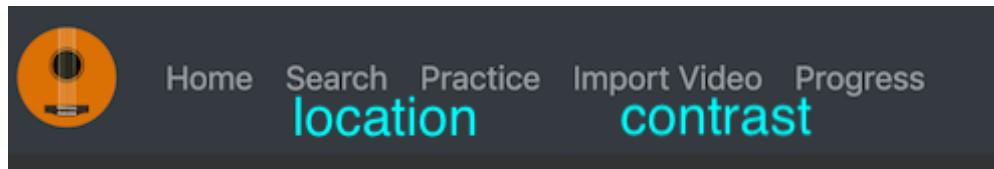
vi. Annotated screenshot



b. Group 1:

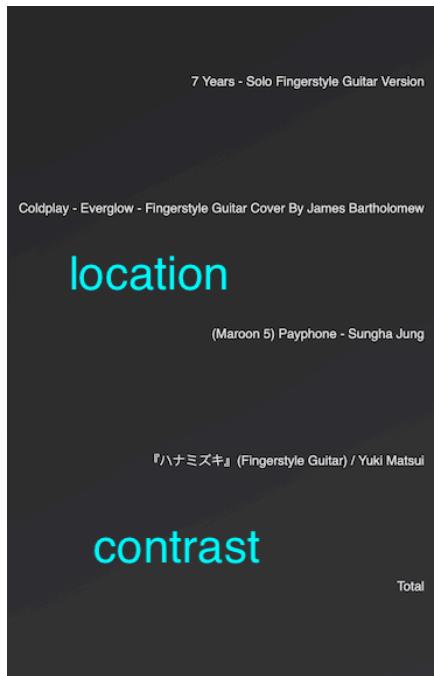
- The clickable navbar
- Location, contrast

iii. Annotated screenshot



c. Group 2:

- i. Song names
- ii. Location, whitespace
- iii. Annotated Screenshot



d. Group 3:

- i. Progress bars
- ii. Size, contrast

iii. Annotated Screenshot

