

COMS 4170 - User Interface Design

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James Wong

Homework 13: Iteration on Computer Prototype

1. 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. Completed recording of the user playing the song
 - iii. User marking that a song is mastered
 - iv. More than 10,000 seconds logged for a song
 - v. Bonus: 10,000 hours logged for total = mastering guitar
2. 3 features to iterate on
 1. Conceptual Grouping
 - a. What: Group related functions, specifically anything related to loops
 - b. Why: Allow user to recognize importance/feature of loop more easily

c. Before

The screenshot shows a music application interface. At the top is a dark navigation bar with a logo and links: Home, Explore, Practice, Add Video, and Progress. Below this is a video player for 'Coldplay - Everglow - Fingerstyle Guitar Cover By James Bartholomew'. The video has a large 'EVERGLOW' text overlay. To the right of the video are three blue buttons labeled L1 (1:00 - 1:13), L2 (1:48 - 2:01), and L3 (2:15 - 2:27). Below the video is a control bar with play, volume, and progress (0:00 / 4:29) buttons, followed by 'Loop' and 'Save' buttons, and a 1.00x speed button. A 'Loop Range' slider is set from 0:00 to 0:10. On the far right is a vertical stack of three blue buttons: a microphone icon, a pause icon, and a square icon.

d. After:

The screenshot shows the same music application interface after a redesign. The video player and navigation bar are identical. The video title is 'Coldplay - Everglow - Fingerstyle Guitar Cover By James Bartholomew'. The video has a large 'EVERGLOW' text overlay. To the right of the video is a guitar chord diagram labeled 'EADGBE'. Below the video is a control bar with play, volume, and progress (0:00 / 4:29) buttons, followed by 'Loop' and 'Save' buttons, and a 1.00x speed button. A 'Loop Range' slider is set from 0:10 to 1:30. Below the slider are five blue buttons: 'Loop1' (1:00 - 1:13), 'Loop2' (1:48 - 2:01), 'Loop5' (1:37 - 2:05), 'Name' (0:10 - 1:30), and 'Loop7' (0:10 - 1:30). On the far right is a vertical stack of three blue buttons: a microphone icon, a square icon, and a green checkmark icon.

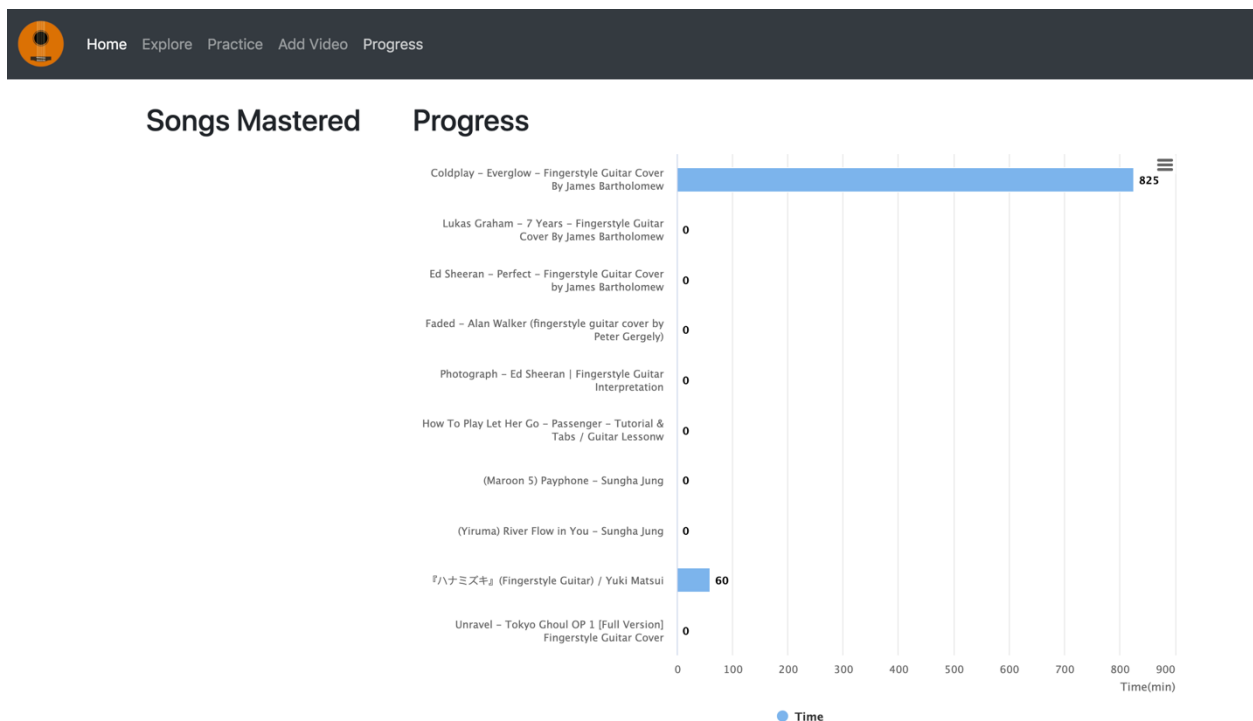
e. 10 Things

- Moved loops from column to row, grouped it with loop/save, can now create 5 loops instead of 4, changed button size to fit
- Implemented new loop/slide bar that highlights whatever is being looped

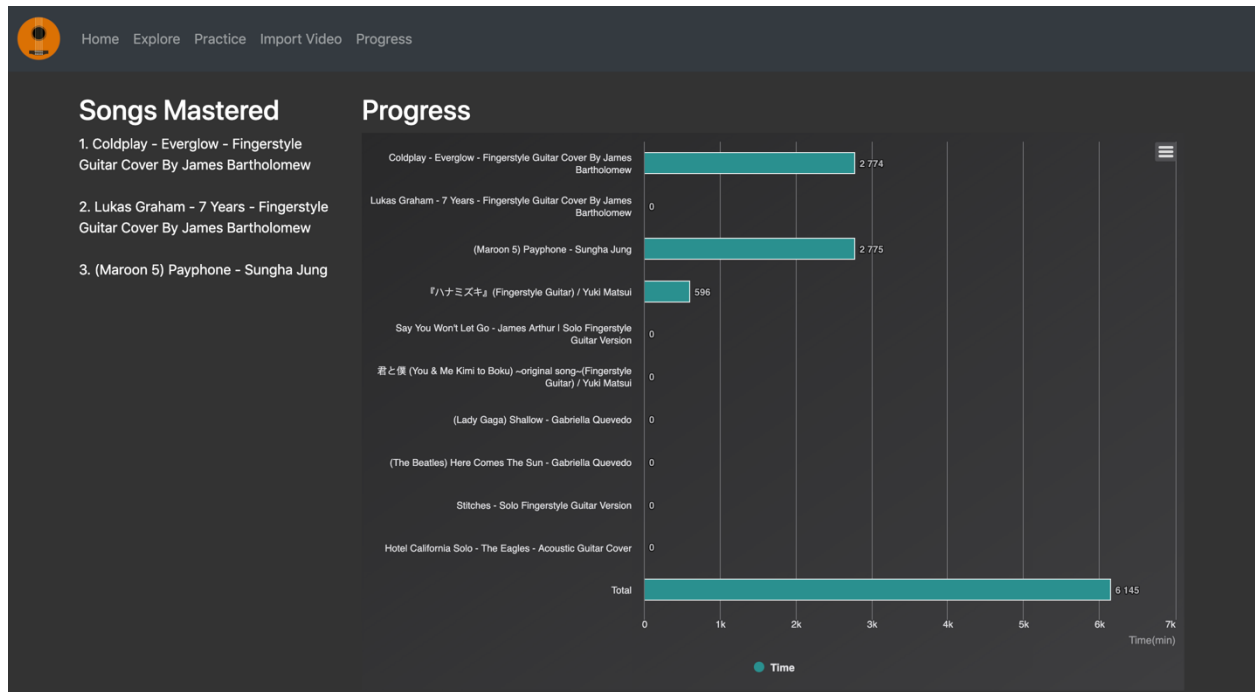
- iii. Implemented edit button on loops that pops up a modal that allows you to rename loops
- iv. Removed pauseRecording button on recording function
- v. Press recordButton now prompts a Recording warning to indicate to user that it is recording
- vi. Added green/master/complete button that enables after a user has finished a recording. Allows user to check that they have mastered a song (saves and shows in progress page)
- vii. Whenever any loop is stopped or saved, the video now pauses along with it
- viii. Automatically hides navbar to make room for more space, can move cursor up to edge of screen to show navbar
- ix. Display tuning of song if available on the right column
- x. Changed color scheme

2. Progress

- a. What: Allow user to mark a song as mastered
- b. Why: Create another visible goal/indication that user has succeeded in achieving his/her goal
- c. Before:



d. After:



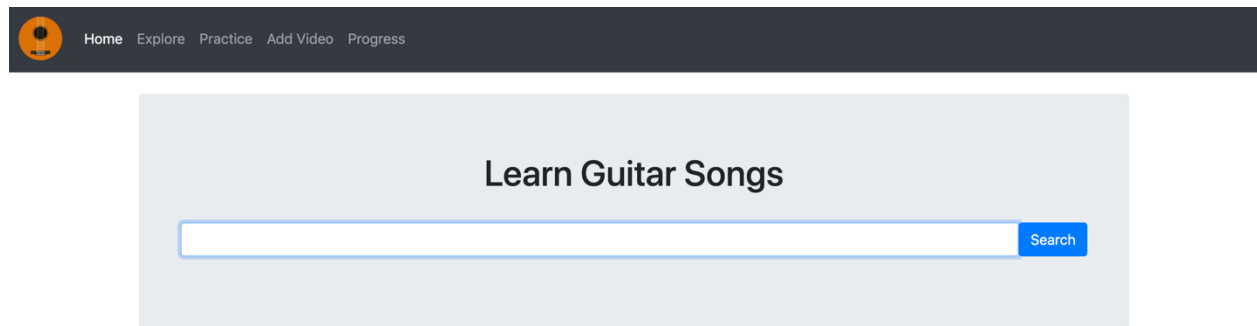
e. 3 things

- i. Implemented mastered songs that basically pulls the name of the songs that you clicked the green/master button on in practice page
- ii. Added total time at the bottom of page show the sum of all times spent on videos, can keep track of whether you have reached the 10,000 hours goal.
- iii. Changed color scheme

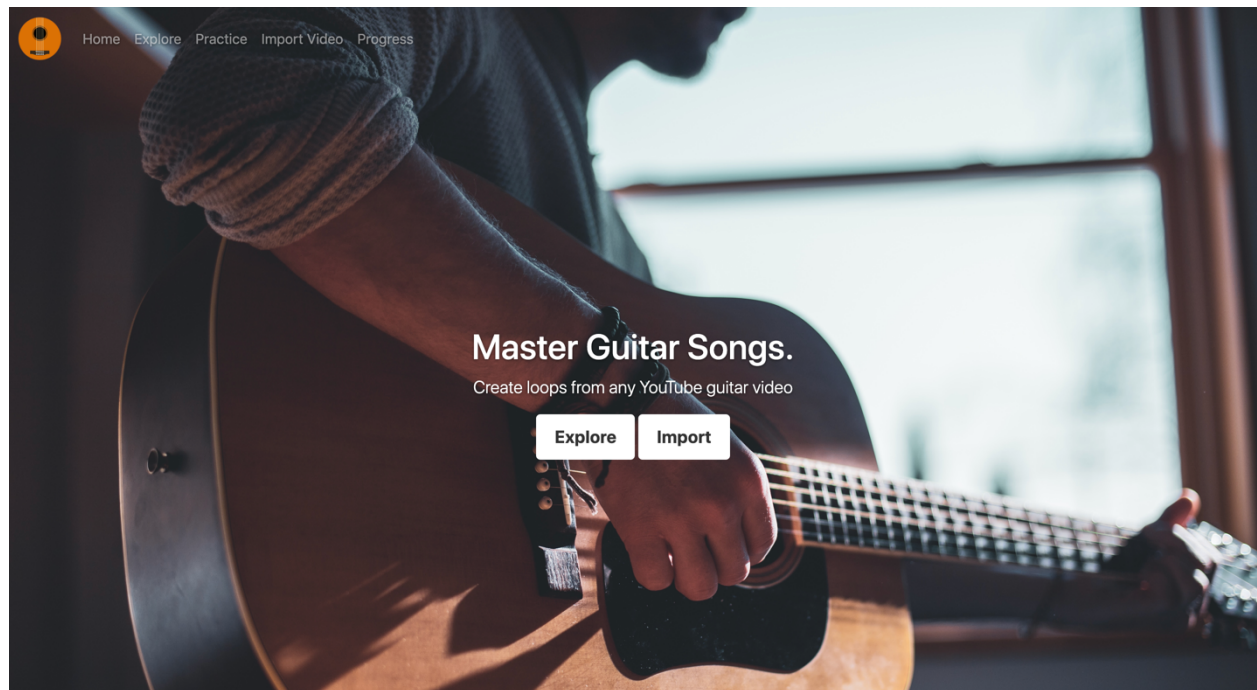
3. Feature

- a. What: Change home page to explore/import instead of search bar
- b. Why: Makes for better transitions so user is not confused on what is available in the database

c. Before:



d. After:



e. 3 things

- i. Replaced search bar with two buttons, explore leads to explore page and import leads to import video page
- ii. Changed and properly centered (both vertically/horizontally) heading/caption
- iii. Changed color scheme/added cover page image of person playing guitar in pretty lighting