

Criterion A: Planning

Scenario

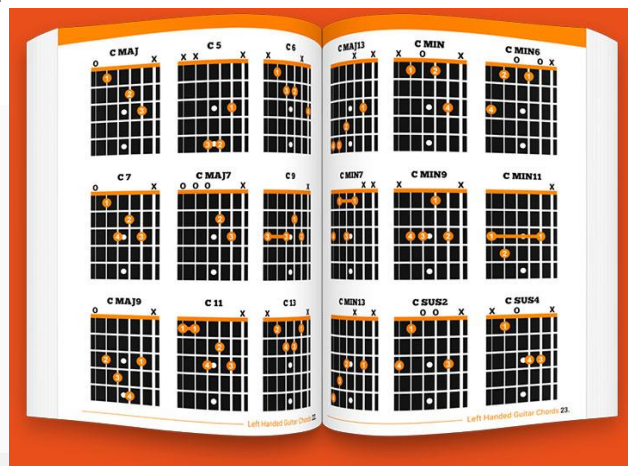
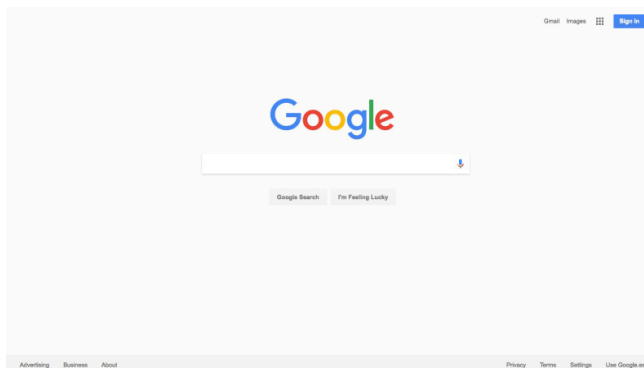
My client is my father, Mr. ---, who is a guitar hobbyist. Upon consultation¹, a problem was identified in the client's difficulty identifying chords or notes on the fretboard of a guitar. The client scours the internet for tutorials on how to play individual chords/ the names of chords he chances upon during his self-taught sessions. Given that he allots himself a limited time period for this hobby per day, he considers it tedious and time-consuming to find reliable sources on the internet that provide concise answers to his questions, thereby hindering the rate of his progress and guitar-playing ability.

My client's current method is a range of online resources including YouTube, Chord Identifier, and other websites, as well as one handwritten notebook with some chord patterns and one official chord book. However, this is not an organized way to approach learning as it requires the client to find new videos or websites to learn different chords. Mr. --- also keeps no appropriate records of chords he has already learnt and similar information from individual sessions, therefore slowing his progress due to unnecessary repetitive searching for information online that was found previously. There is also limited information in the handwritten notebook since it only covers basic chord patterns. The current system is time consuming due to ads on YouTube videos, pop-ups on websites like Chord Identifier, manually searching books for chords, and the additional unreliability of internet speed as compared to offline programs².

(243 words)

Proposed Product

The current range of solutions my client uses:



("Guitar Chords E-Book")

¹ Refer to Appendix 1 for transcript of Interview 1

² Refer to Appendix 1 for Interview 1

After the first verbal consultation with my client, the solution proposed was an organizational and learning tool that:

1. Identifies chords based on fret number inputs for each string or displays chord patterns based on chord name input.
2. Creates a log of practice sessions which can be accessed to view previously learned information

By creating a program that can both perform real-time functions and allow access to prior sessions, the client reduces time spent online searching for resources. The organizational tool keeps record of chords learnt in different sessions, making it easier for the client to find information that he may have forgotten such as names of chords he was playing or specific chord patterns. The program will thus increase efficiency and allow the client to focus on the learning process without worrying about documenting or researching. The offline capabilities also eliminate potential inefficiencies of internet speed, or time consumed by pop-ups or YouTube ads. Compared to the variety of sources the client is currently using, this Java program should concisely provide accurate answers to the user's questions, thus performing as a useful learning tool. Additional functionalities such as recommended playing patterns, related chords, etc. can be added to further improve the usefulness of the learning tool aspect. However, with only the two proposed core programs/solutions, the client will be able to keep track of progress and effectively practise with minimal distractions or time wastage.

(244 words)

Success Criteria

The criteria against which the success of the end product will be judged/assessed:

1. The client can input fret numbers for individual strings and get a chord name
2. The client can input a chord name and receive at least one set of fret numbers to play (one chord pattern)
3. There is error management in the event of invalid input
4. The client can start a "New Session" for every new practice session
5. The program automatically stores the date, time, and session number
6. All the input and relevant output are saved by the program in a log or history of sessions
7. The client is able to easily access this log and view previous sessions
8. The log can be sorted according to session number for easier viewing
9. The client should be provided a "Help" option to understand the "tabs" notation used in the program.
10. The client should see a menu upon starting the program with appropriate options ("Start New Session", "Session log", "Help", "Simple Search" etc.)

WORKS CITED:

"Guitar Chord E-Book." LeftyFretz, Google Images, leftyfretz.com/wp-content/uploads/2015/05/.