

# ChordSnake

## Game Description

A snake game with the goal of teaching chord progressions of different songs. This is useful to musicians who want to play their favorite songs spontaneously!

The goal of the game is to collect all chords of the chosen song in the right order on the snake. To collect a chord, the player has to navigate the snake to it and enter the note of the chord correctly in the popup view that opens on encounter of the chord field. Once all the chords are collected on the snake (or saved in the bottom saving grid and the rest collected on the snake) the game is won.

There are different bonus functionalities such as deleting the last chord if it was collected accidentally/wrongly and saving the collected chords to a grid to shorten the snake.

The player can choose 3 different difficulty levels depending on the song you choose. Moreover, you can choose different instruments to receive suitable audio feedback during the game depending on your instrument. You can also study the chord progression of your selected song before starting the game and listen to the saved collected chords once you are in the game.

## Interactions

- You select character and song with left mouse clicks. If you want to study the chord progression before starting the game, you can view the study sheet on a mouse click as well.
- You start the game by pressing any key on the keyboard. You navigate the snake using WASD keys.

In the game there are several bonus interactions:

- On mouse scroll you can randomize the board.
- Power-up: If you double click on the trashcan while your snake is on it, you can delete the last collected chord.
- Power-up: If you drag and drop from the music symbol to the saving grid on the bottom while your snake is on the music symbol, you can save the already collected chords and shorten your snake.
- If you encounter a chord, you need to enter the notes of the chord on a popup view within 10 seconds.

## Task separation

As seen in project task management board:

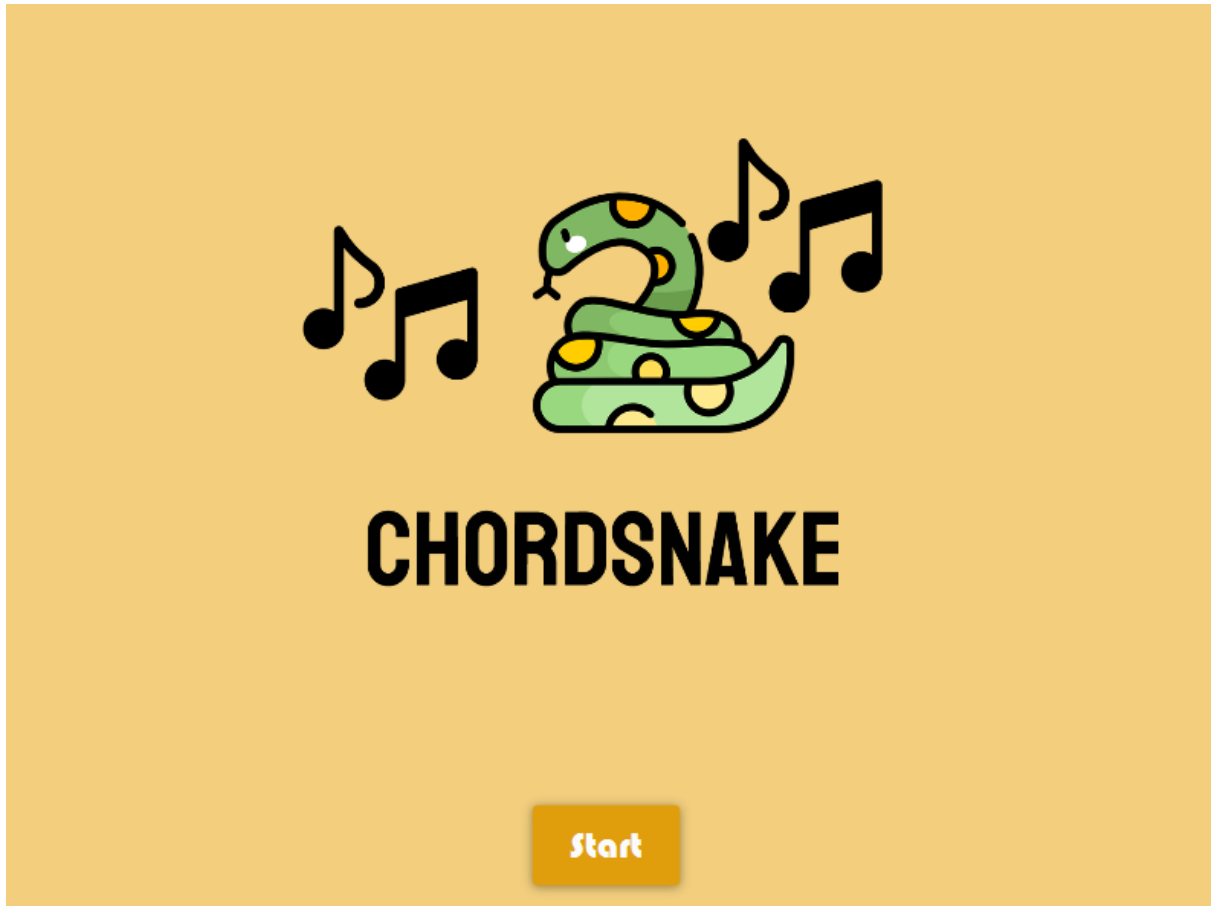
<https://scratch-candle-c25.notion.site/Project-timeline-0188dd0499d1482387cec476073f51b2>

And code contributions:

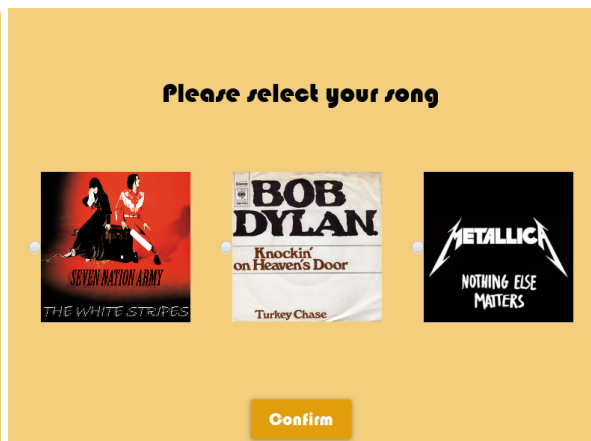
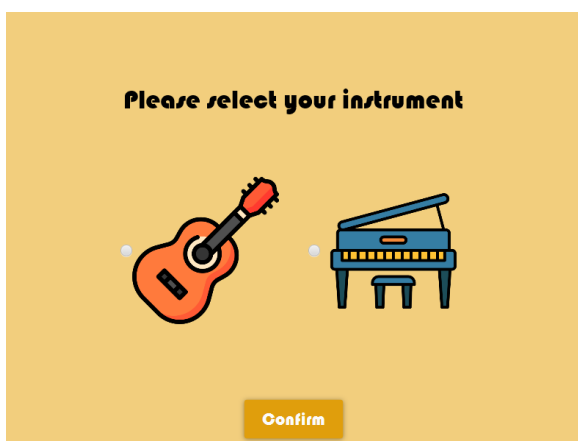
<https://github.com/AnnikaGr/ChordSnake>

# Screenshots

## Game Start




## Choose Song and Instrument



### Choose Song and Instrument

Click THE BOOK to review the chords!



Start

Click THE BOOK to review the chords!

G D Am

Momma take this badge off of me

G D C

I can't use it anymore

G D Am

It's getting dark, too dark to see

G D C

Feels like I'm knocking on heaven's door

Start

## Game Page

# ChordSnake

10x10 grid with chords and icons:

- Row 1: Bm (col 5), Bm (col 7), F (col 8), C (col 10)
- Row 2: Am (col 5), C (col 7), D (col 8)
- Row 3: G (col 2)
- Row 4: G (col 6)
- Row 5: F (col 1), G (col 2)
- Row 6: Am (col 4), D (col 4), D (col 7), C (col 10)
- Row 7: Trash can (col 10)
- Row 8: Em (col 8), Bm (col 9)
- Row 9: Yellow square (col 3), Am (col 5)
- Row 10: F (col 1), F (col 2)

Saved Chords:

BOB DYLAN  
Acoustic  
on Electric Guitar  
The Great Sessions

Encounter Chord Popup


# ChordSnake

Enter the notes of G

9


Check and continue

				Fm					B			
											C	
	G	E		C	D							
								D			Bm	




Saved Chords:

Success and Fail



Try Again?



Back to start