CS50 Final Project Documentation

Project title: Chimpanzee Counting
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Overview

Chimpanzee Counting is an online memory and concentration game. The object is to get through all three rounds without making any mistakes. This game is called Chimpanzee Counting because it is a cognitive task that chimpanzees perform better at than humans. The inspiration for the game is here: https://www.youtube.com/watch?v=JkNV0rSndJ0.

Setting up

To play Chimpanzee Counting, just go to http://chimp-count.pancakeapps.com. Once there, click on the **Play** button to start the game.

Game play

The goal of Chimpanzee Counting is to click the cards in order from least to greatest. Each round starts out with a short amount of memorization time, during which the cards are shown. This time can be 1-3 seconds, depending on the round. Then, once the cards are hidden, you have to click the card with the lowest number, followed by the card with the second lowest number, and so on. You cannot click the cards while their values are shown, but you have an unlimited amount of time to click them once their values are hidden.

Rounds

The game is played in three rounds. The difficulty in each round increases, as you are given less time to memorize the cards in each subsequent round. In the first round you are given three seconds to memorize the cards, in the second round you have two seconds, and in the third round you have only one second. Once you pass a round, you can click the **Next round** button to move on to the next round.

Winning and losing

To win the game, you have to make it through all three rounds without ever clicking a wrong card (that is, without ever clicking a card whose number is less than the number on any currently revealed card). If you ever click a wrong card, you lose the game. There is no scoring component to Chimpanzee Counting; either you win or you lose. Once the game is over, you can click the **Play again** button to play again.