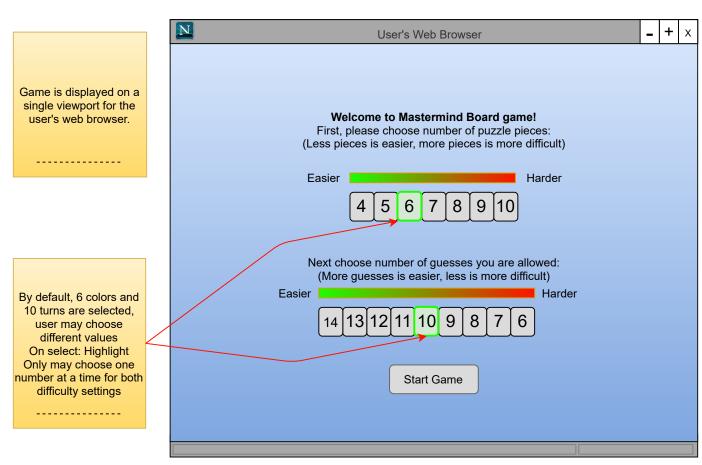
Game State 0: Difficulty Selection Screen

Mastermind Board Game:
Product Prototype:
Medium Fidelity Sketch
Wesley Havens
CS 361: Summer 2021

Credits: Created with draw.io



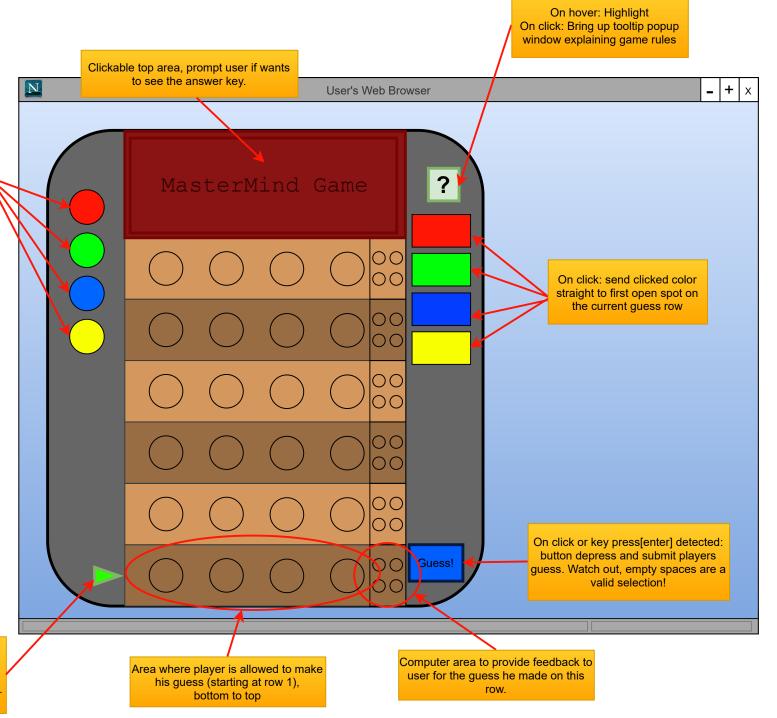
Game State 1: Initialize
Game Board

With user selections: TURNS = 6 COLORS = 4

On click: pick up current game piece (change mouse cursor to game piece), allows player to manually place piece on game board.

On key press [escape] detected: Deselect game piece

Mastermind Board Game: Product Prototype



Green arrow that indicates which row is the current row where user can place game pieces to make his guess.

Game State 2: Game in Progress

With user selections: TURNS = 6 COLORS = 4

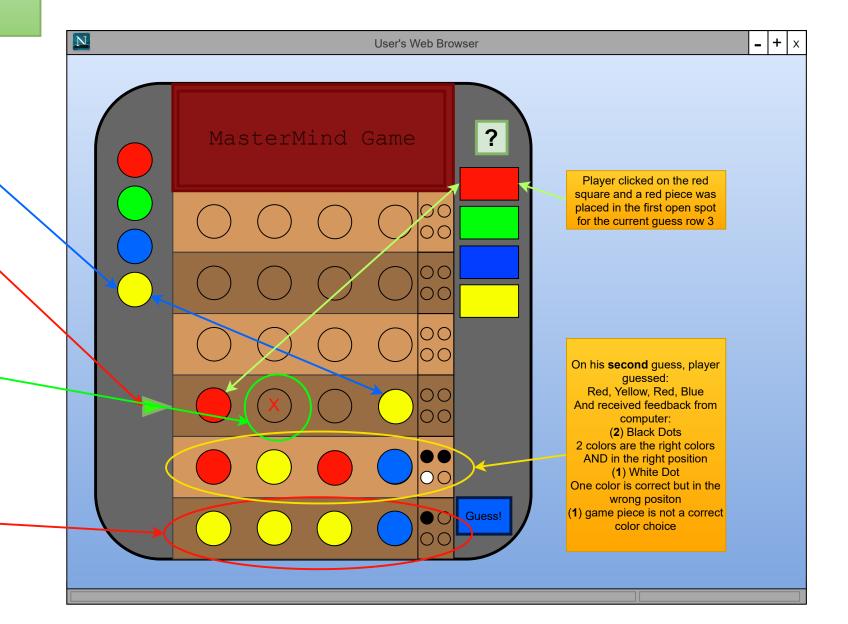
Mastermind Board Game: Medium Fidelity Sketch

Player opted to pick up the yellow piece and manually place it in its guessing location using the mouse cursor.

Player has made two guesses, he is allowed to place pieces on his **third** guess row as indicated by the green arrow.

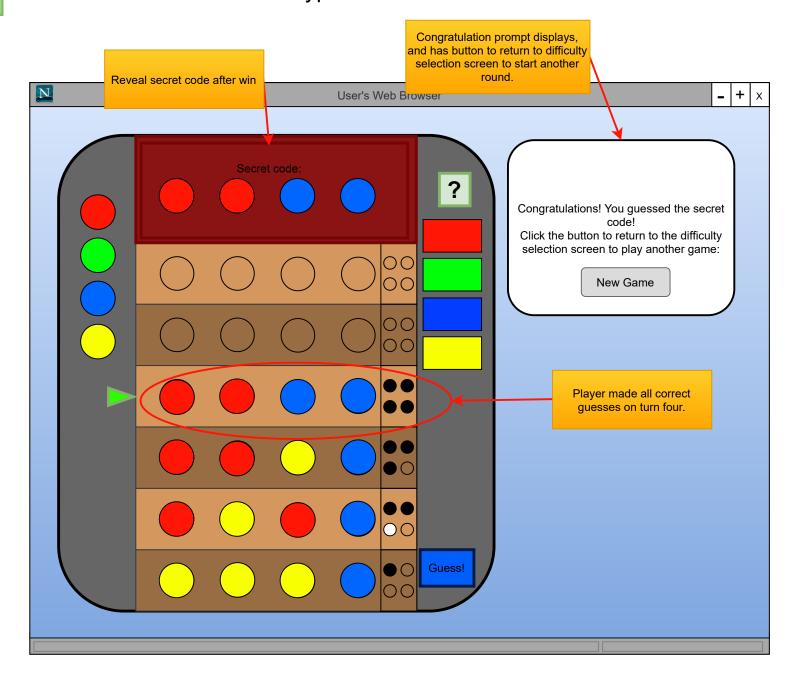
Player had a piece here but changed his mind, a right click removed the piece that was here before.

On his **first** guess, player guessed:
Yellow, Yellow, Yellow, Blue
And received feedback from computer:
(1) Black Dot
Therefore, only 1 piece is the correct color and in the correct position. The remaining three pieces are not correct colors.



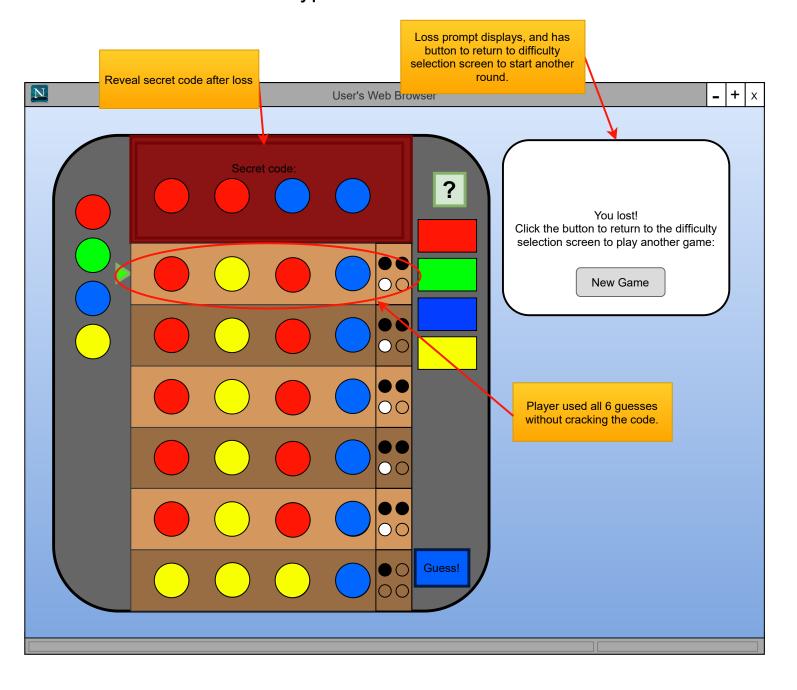
Game State 3: Game Won

Mastermind Board Game: Product Prototype

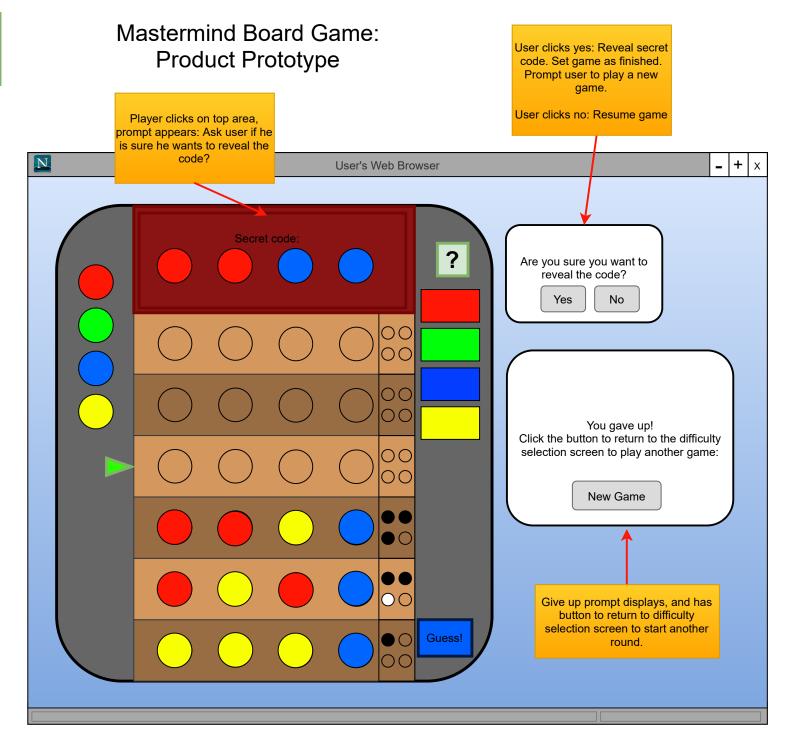


Game State 4: Game Lost

Mastermind Board Game: Product Prototype



Game State 5: User revealed code



Game State 6: Instructions

Mastermind Board Game: Product Prototype

User clicks here and an instruction overlay will pop up User's Web Browser On click, close the pop up overlay X Game Instructions: There are 4 randomly chosen colors on the top row (hidden). 1) The other 10 rows are the amount of turns you have to correctly guess the colors and their correct position. 2) Try picking up game pieces and placing them on the current row where it is your turn. 3) If you think you have a good guess, hit submit. 4) You will receive feedback from the CPU (a black dot means you guessed a correct color and position, a white dot means you guessed a correct color, but it's in the wrong position.) 5) If you guessed to correct colors and positions before running out of turns, you win! If you run out of turns to guess, you lose.

Game State 7: Microservice integration

Mastermind Board Game: Product Prototype

