" CS 108 Final Project This model game allows the user to predict color by giving a che. @ author: Blessing Amoah (bsa5) author Partner: Brad Sinare (bs 48)

ate: fall, 2022. of the possible where to predict. Color Predictor Game Welcome to Color Predictor! Predict the Color. The place where the user will type Predict Callit a day Quiz Clue: The color starts with G letter Gwas k used as an example of how the due model

15 like.

TextBox

the color.

## Predict. py

Import randint from random

This will contain the Predictor esters.

Let --init\_ (Self, color\_)
This will help reset to a new color.

Color Predictor

This will implement the game model for the predictor. def --init-- (self, filename) This will reshuffle the colors from the file.

let reset (self)
Picks a new color E', reset the color file.

def set-predict (self, pre-dict)
This will be used for the testing purpose and set a non-random prediction.

Jef get\_ans (scif)
The user gets the answer for the color predicted correctly or wrong.

det get-che (self)
This gives clue of the color to predict.

der check-ams (self, correct)
This determines if the given answer is correct.

## gui.py

From guizero import App, Text, TextBox, PushButton, Box, Picture. From predict import Predictor.

Class Color Predictor
This is the GUI color predictor game.

det \_\_init\_\_ (self, app)
This creates the color Predictor GUI app.

This process the user input-it its correct it will move on to a new color.

def admit\_button (self)

The user admits that he or she cannot predict that whom.

It will show the name of the whor.

Reshuffle the colors again

Gives the user another chance to predict a new color.

Predict\_test.py

from predict import Predictor

Predict = Predictor ('color. text')

This will open the whor file.

Predict - set - predict (0)

This will use the set method to check the color.

assert predict. get. ans () == any color in ()
This will check if the color is correct in the shem.
Print ("all tests pass...")
This will print if all is true if not it will print error.

## Phased Implementation Plan.

- \* Add additional textures to the predictor class and gui model like time span to predict.
- \* Modify the game by making it more complex.

\* Implement a test model, so that without guizero one can still plany the game on the shell.