

The Project

Experimenting with Tkinter in python to create a color matching/word association game for preschoolers and kindergarten.

Idea for the project came about my daughter getting red and yellow confused and wanting a visual representation to work with her.

Preparation

Review of materials and capability of Tkinter

Overview

Color matching game. Based around associated the *word* with the *color* to help teach how words in the written language have association with real world objects/sensory.

Used

- Python
- Tkinter

Documentation

Project Overview including following features

- The program generates a random RGB rectangle and allows for a word selection for the user to guess or select the name of the color.
- Children preschool to kindergarten age
- Attempts to teach the spelling and names of the colors to children
- Visual design of a simple ui restricted by Tkinter canvas and cell manipulation.

Data Plan

- Mainloop
- Color randomizer function
- functions that turn button clicks into strings
- answer checker
- UI loop
- Python will user import random, and import Tkinter for this project