

HUES OF YOU: A 2D INTERACTIVE ANIMATED SHORT FILM

USER MANUAL

Academic Year
2022-2023



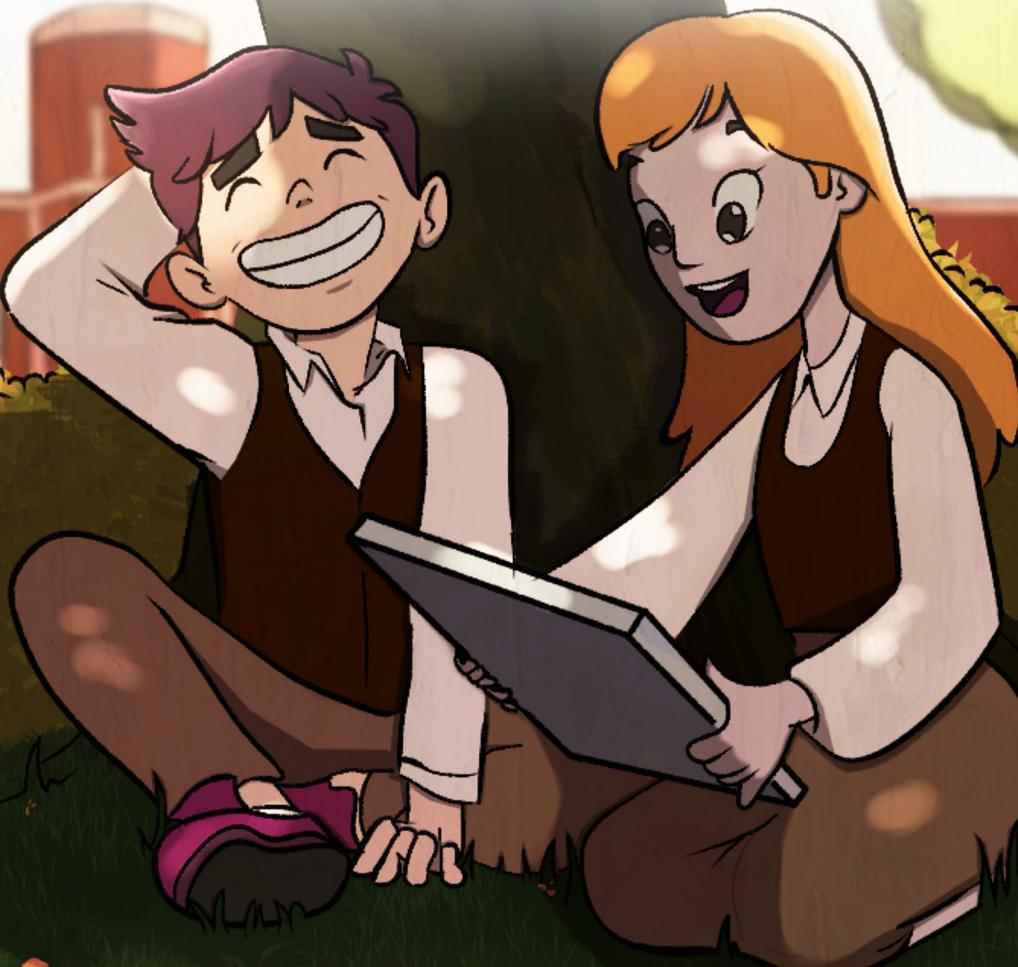
BSEMC-4A GROUP 3

Hilary Ann P. Denura
Ma. Dyzza E. Espino
Lara Dionise Marie F. Loretizo
Nissi Joy A. Manaay
Winzee Dawn C. Panunciar

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Disclaimer

This interactive animation project and its corresponding documentation entitled "HUES OF YOU: A 2D INTERACTIVE ANIMATED SHORT FILM" is submitted to the College of Information and Communications Technology, West Visayas State University, in partial fulfillment of the requirements for the degree, Bachelor of Science in Entertainment and Multimedia Computing".

The medical information on this application is provided solely as a resource for information purposes and should not be used or relied on for diagnostic or treatment

purposes. This information does not establish a patient-physician relationship and should not be used to replace professional diagnosis and treatment.

If you or someone else is experiencing colorblindness, you should consult your doctor before making any health care decisions or seeking advice about your condition. The researchers expressly disclaim all responsibility and liability for any damages, loss, injury, or liability incurred as a result of your reliance on the information contained in this application.

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Introduction

Color is one of the factors that contribute to the life of any object. The colors are the first thing that someone notices when they look at a piece of art. However, if the eyes are damaged in any way, whether physically or chemically, or as a result of inherited genes from the parents, faulty photo pigments in the eyes will result in color deficiency or color blindness (WebMD, 2021).

The result of this study would help people who were color-blind understand and distinguish the colors in the film. The short film discussed color-blind people's experiences, different types of color blindness, love, and friendship.

This study aimed to create a 2D interactive animated short film that was color-blind friendly.

Specifically, this study aims to:

1. Create a two-dimensional animated short film that highlighted the peculiarities of two-dimensional people and objects while also being color-blind-friendly for various degrees of color-blindness (Protanopia, Deutanopia, and Tritanopia).
2. Create an interactive system in the short film that allowed the viewer to select his or her color blindness type, offered preset color palettes for all types of color blindness, and modified the color palette of the characters and objects based on the viewer's color blindness type.
3. Identify key scenarios for color-blind people through data gathering and integrate them in the story of the short film.
4. Develop a viewer evaluation module within the interactive media system to determine the film's effectiveness as a color-blind-friendly film.

Each one of the objectives were successfully tackled, and given solutions.

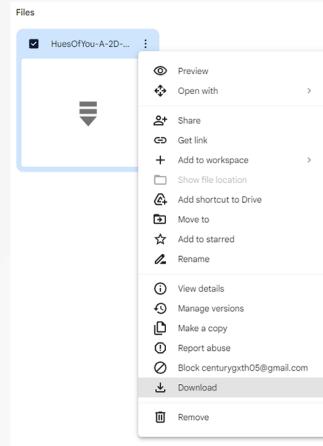
System Requirements

RECOMMENDED:

- OS: Windows 10
- CPU: Intel® Core™ i5-9400F or better
- RAM: 4GB of system memory
- Graphics card: NVIDIA GeForce GTX 1050 Ti, or AMD Radeon R7 370
- Storage: At least 10GB of available space

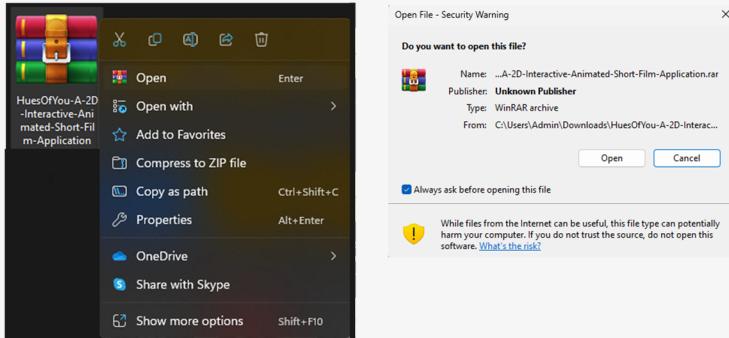
Installation

1. Download the .rar File from the Google Drive Link: <https://drive.google.com/drive/folders/1Zbf3hKiGeuiop9HaEi7aQLXynRAJa8jp?usp=sharing>



Installation

2. Open the .rar file.



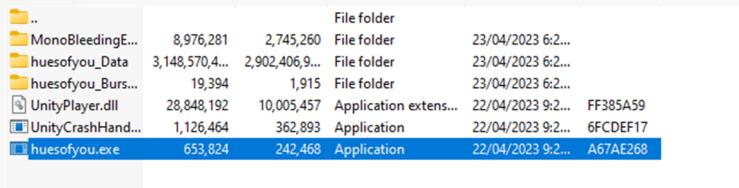
3. Open "HuesOfYou-A-2D-Interactive-Animated-Short-Film-Application" file



4. Inside the "HuesOfYou-A-2D-Interactive-Animated-Short-Film-Application" file, open the "Build_App" file.



5. Open the "huesofyou.exe" file and wait for it to open.

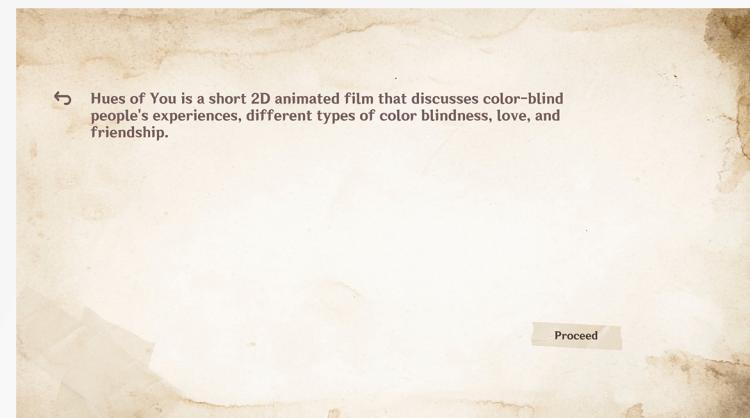


Usage (Per Main Feature)

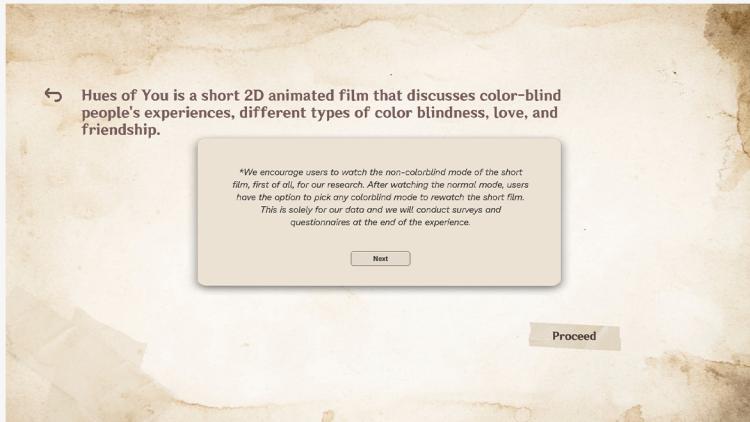
a. Press Start



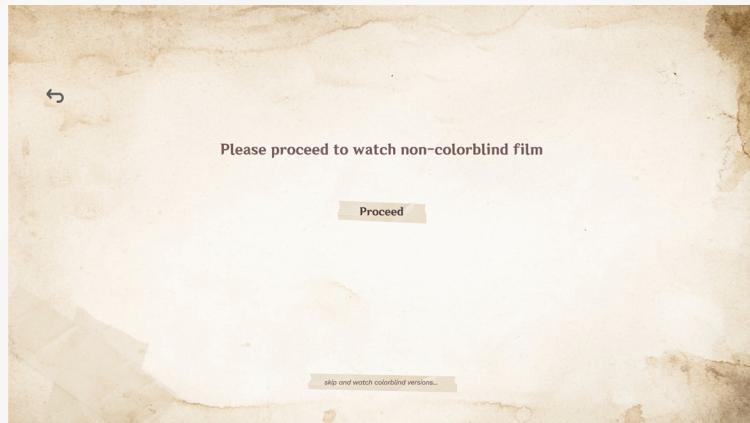
b. Click Proceed



c. Click Next



d. If you want to watch the non-colorblind film click "Proceed". If you don't want to watch the non-colorblind film, click "skip and watch colorblind versions". We recommend to watch the non-colorblind film first to make a comparison.



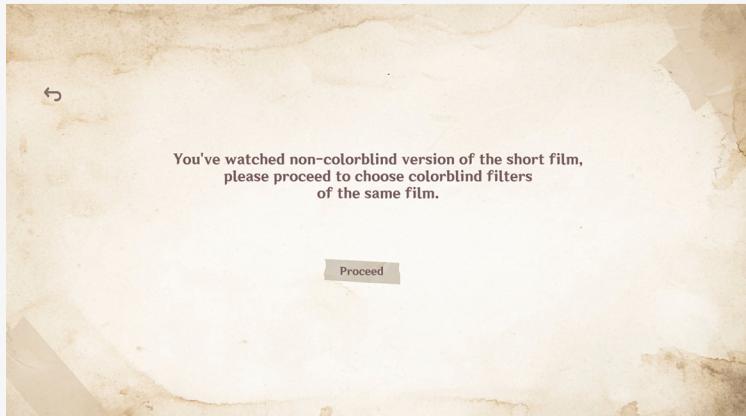
e. Click "Play" to start the film.



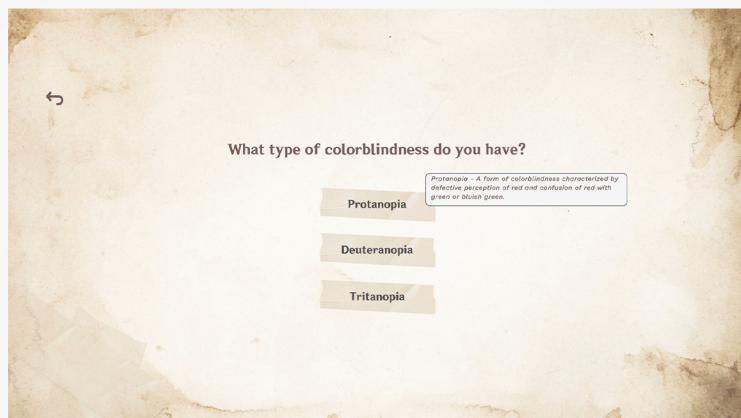
f. Watch the non-colorblind film until the end..



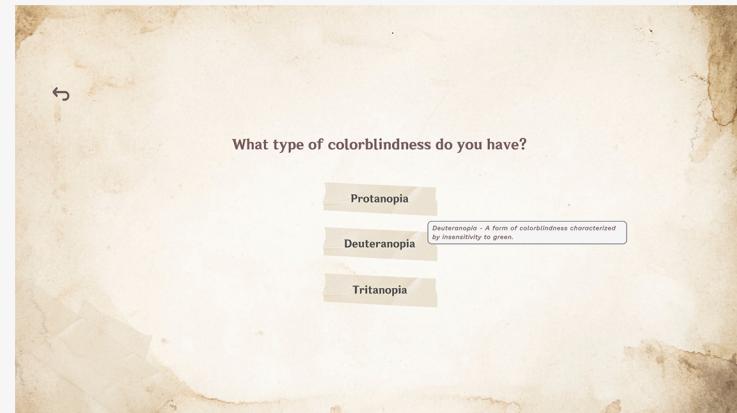
g. Click "Proceed" to watch the colorblind films.



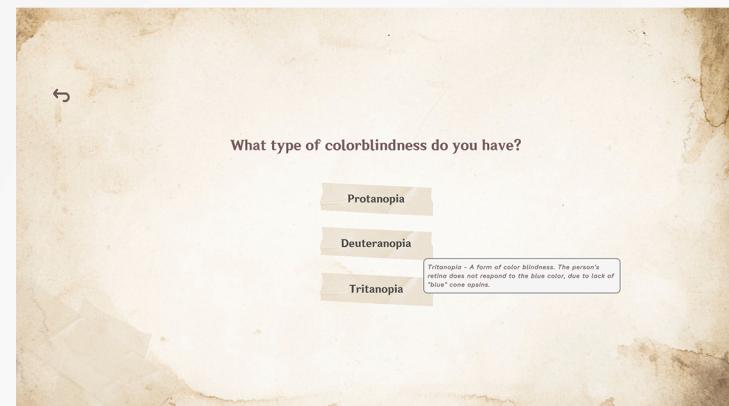
h. Choose which colorblindness you have (Protanopia- A form of colorblindness characterized by defective perception of red and confusion of red with green or bluish green.



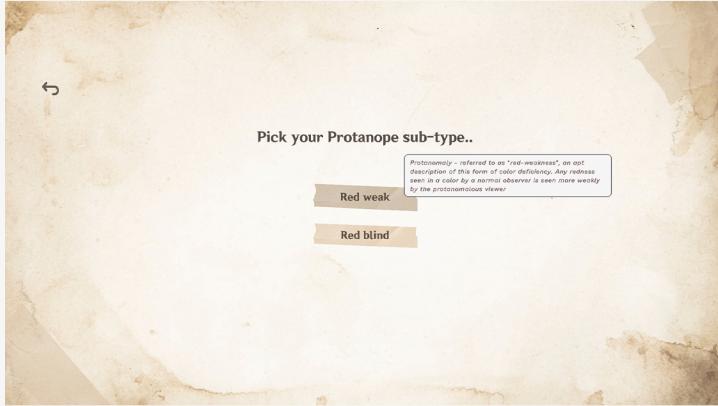
j. Choose which colorblindness you have (Deutanopia- A form of colorblindness characterized by insensitivity to green).



k. Choose which colorblindness you have (Tritanopia- A form of colorblindness. The person's retina does not respond to the blue color, due to lack of "blue" cone opsins).



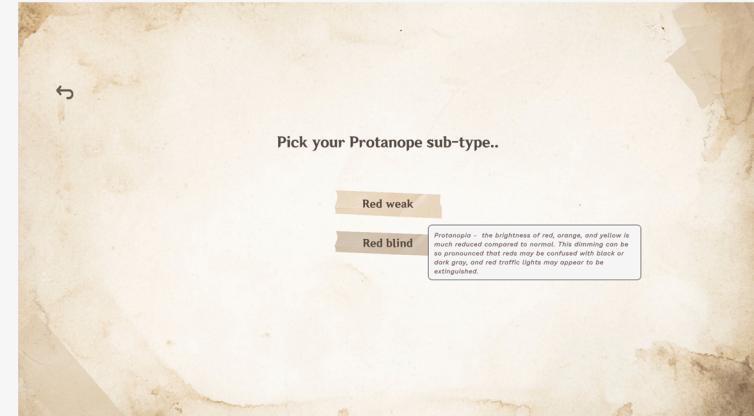
I. If you have Protanopia choose your sub-type (Red Weak)



Red Weak Film



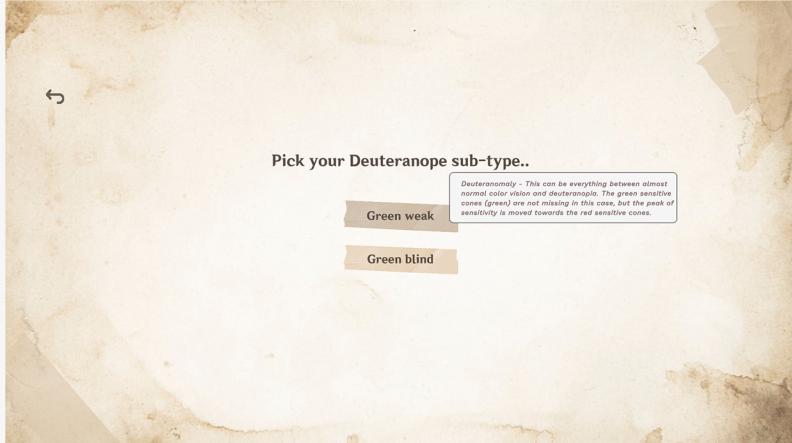
m. If you have Protanopia choose your sub-type (Red Blind)



Red Blind Film



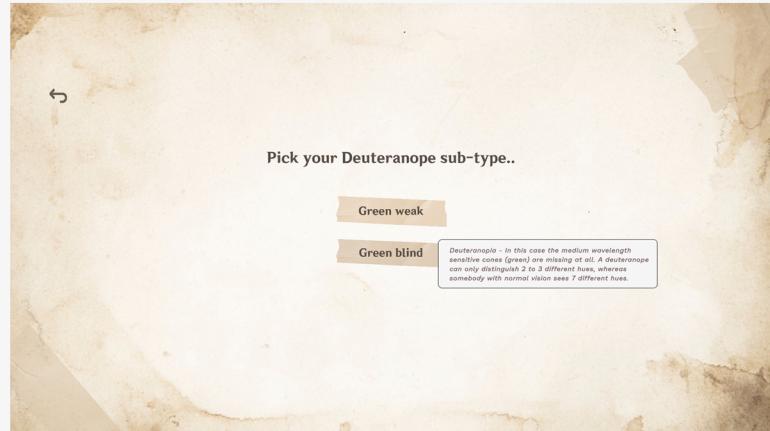
n. If you have Deuteranopia choose your sub-type (Green Weak)



Green Weak Film



o. If you have Deuteranopia choose your sub-type (Green Blind)



Green Blind Film



p. If you have Tritanopia choose your sub-type (Blue Weak)



Blue Weak



q. If you have Tritanopia choose your sub-type (Blue Blind)



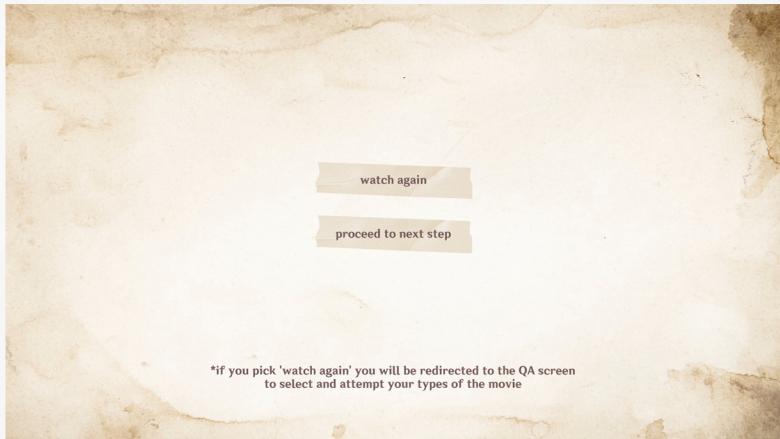
Blue Blind



r. After you pick what colorblindness you have, click "Play movie".



s. After you finish watching the film. You can either "watch again" to try other sub-types or "procees to next step" to answer the questions that follows.

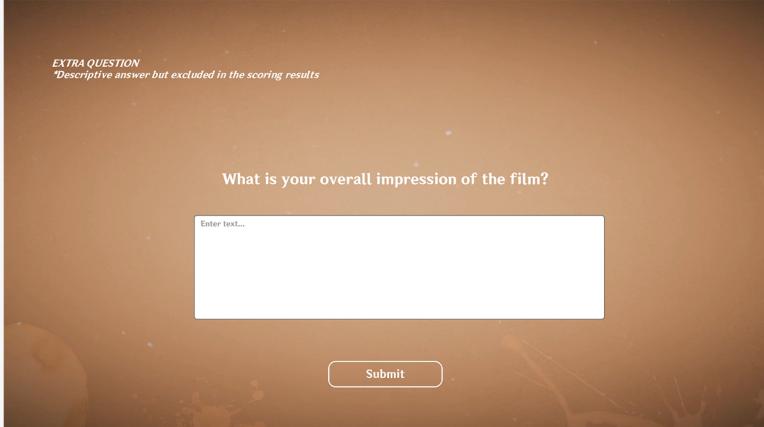


t. Click "Proceed"



u. Answer the following questions that will be shown.





v. If you want to Return to the beginning click "Return to Title Screen", If you want to close the app click "Exit".



w. The viewers scores will be recorded on the cloud firestore.

The screenshot shows the Cloud Firestore interface for the "HuesOfYou" project. The left sidebar shows the Firebase dashboard with "Project Overview", "Database", "Build", "Release & Monitor", "Analytics", and "Engage" sections. The main area is titled "Cloud Firestore" and shows a hierarchical view of data under the "users" collection. One document is expanded, showing fields "kLoqJgD00szrRGtTswW" and "score : 0".

Troubleshooting

1. If the app isn't working as intended. Please exit and open it again.

FAQs (Frequently Asked Questions)

1. Should i use this app to diagnose what kind of colorblindness i have?

Ans. No. Since the system has not been established that well yet. The medical information on this application is provided solely as a resource for information purposes and should not be used or relied on for diagnostic or treatment purposes. It is still better to consult your Doctor for any health issues.

2. How should i know if what kind of Colorblind type i will pick?

Ans. When you hover to the choices in colorblind types menu there will be a description of each colorblind types.

DEVELOPMENT TEAM



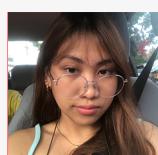
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