DIGITAL EYE STRAIN

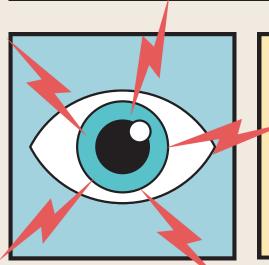
WHAT IS IT?

Also known as **asthenopia**, it is a common condition that occurs when your eyes get **tired from intense use**.

Eye strain can be relieved by resting your eyes, but in extreme cases it may require medical attention.

Studies indicate that up to **80% of computer users experience eye strain**or eye strain related symptoms.

EFFECTS OF EYE STRAIN



Discomfort and pain in and around the eyes

Vision problems, such as blurred or double vision



Significantly decreased productivity

PROBLEM STATEMENT

People experiencing digital eye strain due to **overuse of screen devices**.

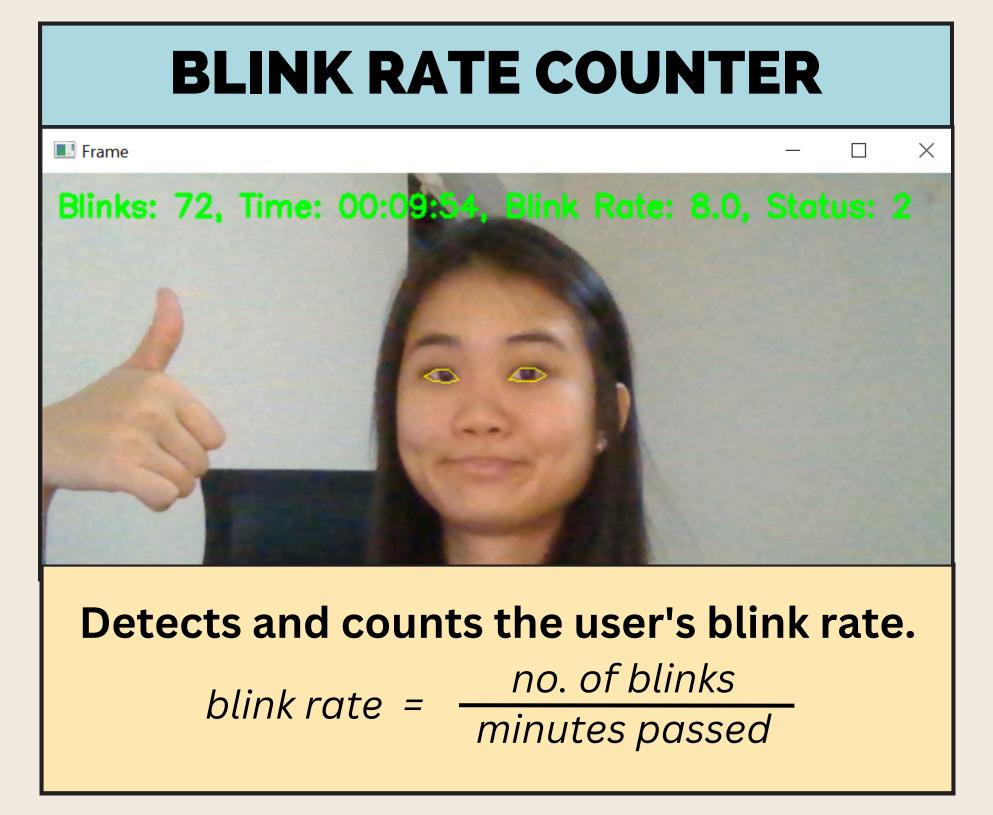


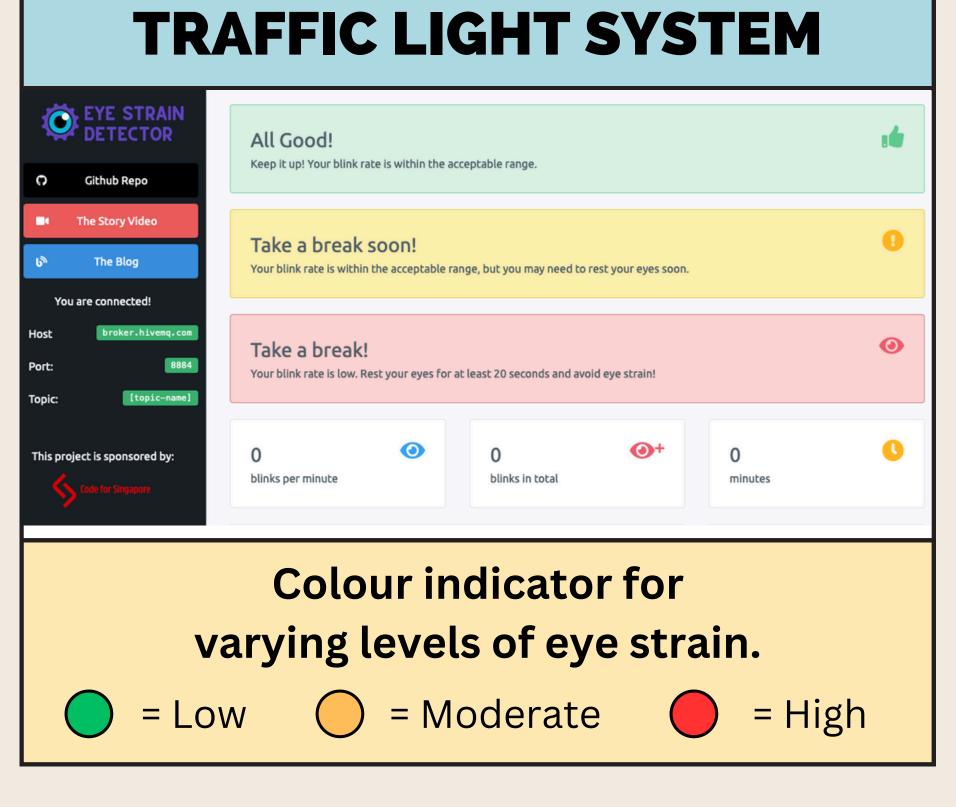
OUR SOLUTION:

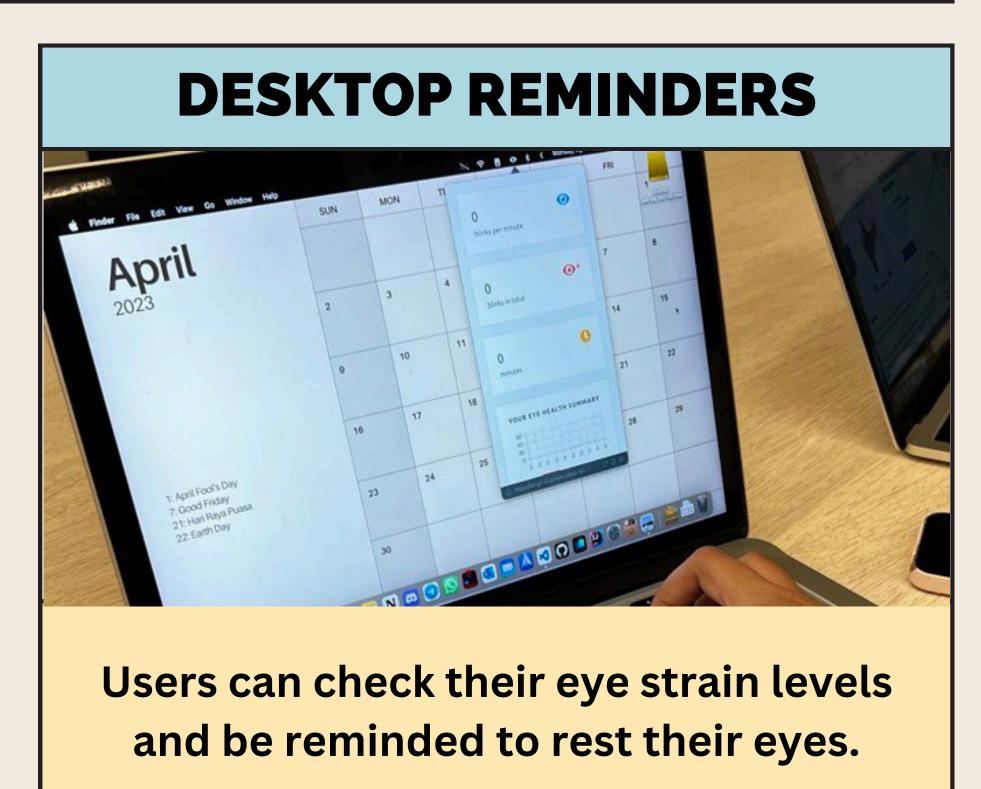


An app that helps **detect user's eye strain** using their laptop camera and provides timely reminder for users to take a break to **prevent eye strain**.

PROTOTYPE FEATURES







PROTOTYPE LIMITATIONS

- 1. Users need to be always in front of the webcam
- 2. Face must be fully shown- **no masks**
- 3. Limited to desktop
- 4. Unable to detect when user go out
- 5. Limited to **one user's** blink rate

TECHNOLOGY USED











MORE FEATURES PLANNED FOR THE THE FUTURE!



Mobile Integration
& Telegram Bot Notifications



Real-Time Charting and Historical Data Dashboard



Machine Learning to identify other eye conditions



Personalised suggestions to prevent eye strain



SCAN
FOR
OUR
DEMO!