

# UV Tracker

By: Ayat Alkhatib

# Company Background

- a. The Center identified a need for better UV exposure management for patients
- b. Excessive UV can worsen skin conditions and increase cancer risk
- c. A web-based UV tracker was created to help patients:
  - Check current UV levels by city
  - View past 5 days of exposure
  - See next 5 days of UV forecasts
- d. Supports safer sun decisions and improved treatment outcomes

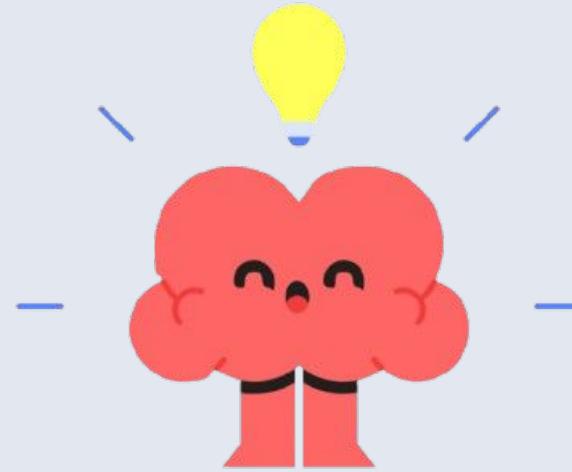
---

# Table of contents

01      Conceptualization

02      Development

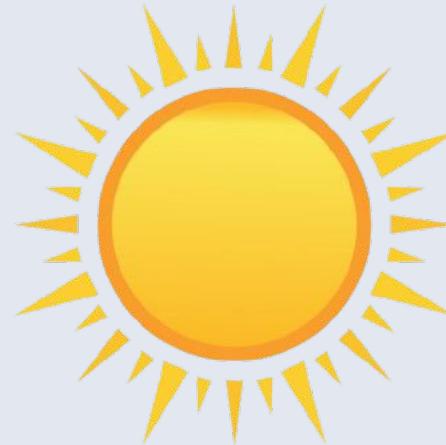
03      Web Demo



# Conceptualization

# Project Purpose

- Help patients manage sun exposure
- Reduce skin-damage risks
- Provide UV data for any city
- Show past 5 days + next 5 days



# Business Need

- Supports patient safety & informed decisions
- Allows exposure comparison over time
- Improves health management



# Business Objectives

- Create a prototype for the UV tracking page.
- Build the tool using HTML, CSS, and JavaScript.
- Use the Open-Meteo API to provide accurate past, current, and forecast UV data and deliver an easy, interactive, user-friendly tool.



# Risk

- API may be inaccurate or unavailable
- Compatibility issues on some devices
- Some planned functionality may be limited



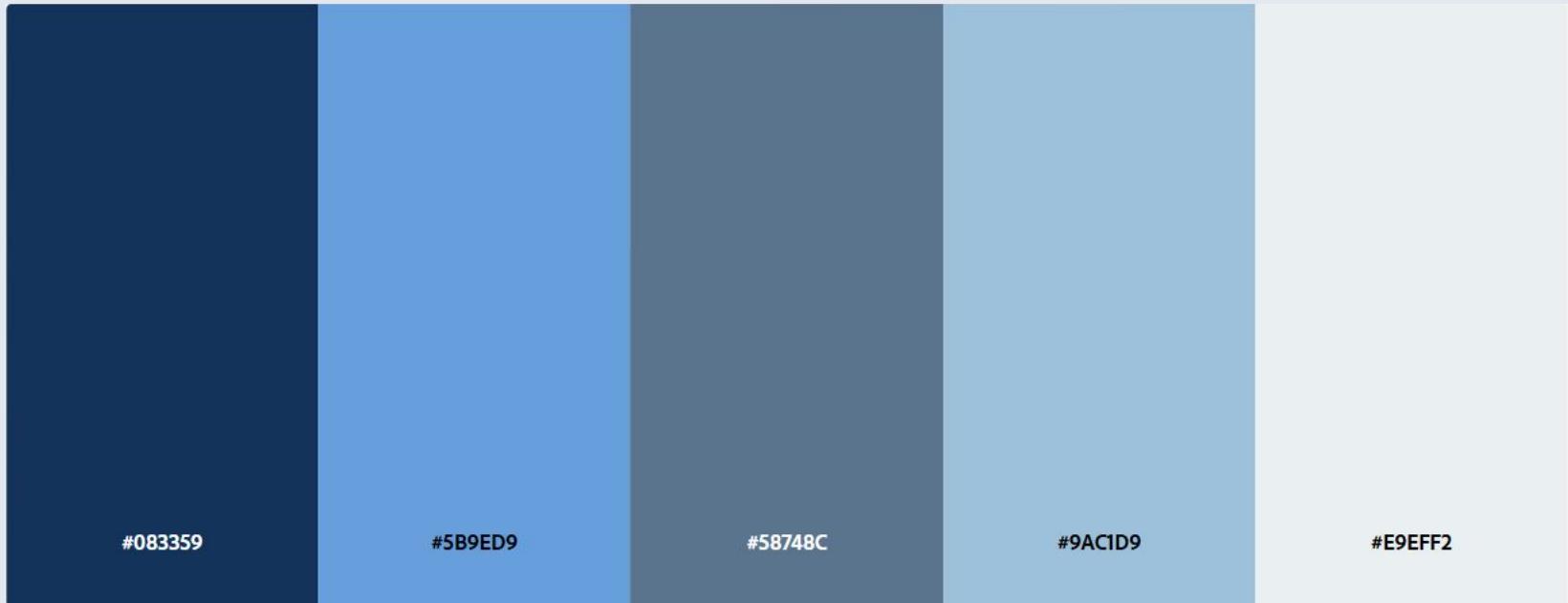


# Development

# Initial Design



# Color Scheme



# Re-Design

## UV Tracker

Track your UV exposure by checking past or future forecasts to stay protected

Please type in the city name you would like to search:

Clear

Would you like to view the past 5 days or future?

Past Present

Here's the Past 5 days

# Final Design

## UV Tracker

Track your UV exposure by checking past or future forecasts to stay protected

Please type in the city name you would like to search:

City Name

Clear

Would you like to view the past 5 days or future?

Past

Present

Here's the Past 5 days

# Demo Section

# Demo Breakdown

- City search
- Today's UV level
- Past 5 days
- Next 5 days
- Interactive chart & tooltips



# Test locations

1. Dubai
2. Tokyo
3. London
4. Little Rock



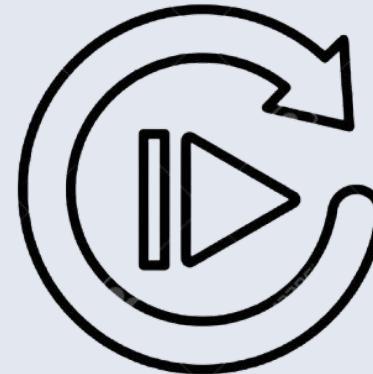
# Demo Link

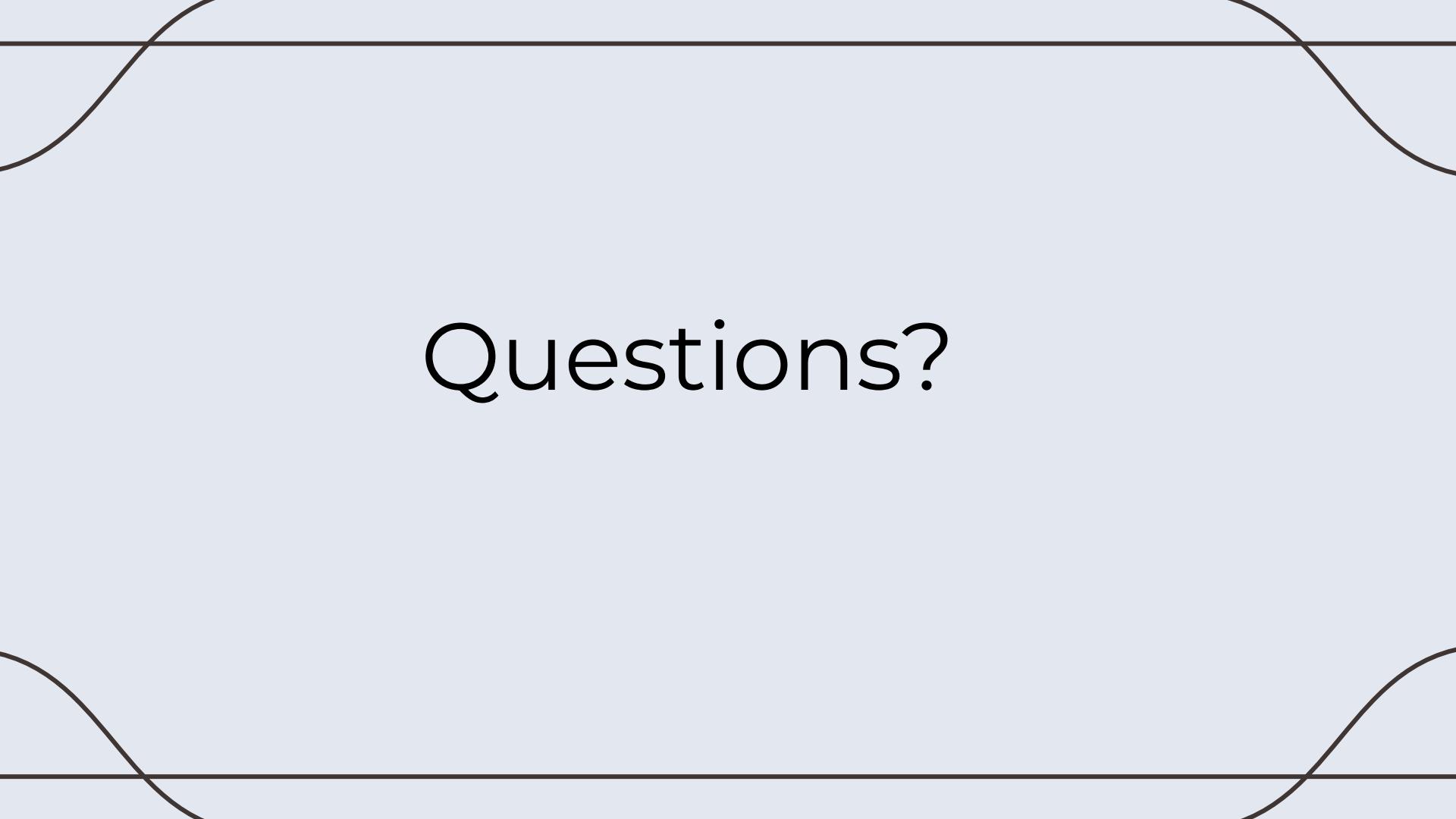
<https://ayatnalkhatib.github.io/Uv-Tracker/>

# Conclusion

# Recap

- UV Tracker supports patient safety
- Provides reliable UV data for decision-making
- Accessible, informative, user-friendly
- Ready for integration into center's website





Questions?