

# UV Guard

Swan Htet Aung – 6611977

Thiri Htet - 6611714

CSX4108 IOS Application Development

# Introduction

- UVGuard is the UV Tracker App
- It helps users stay safe under the sun by providing real-time UV index data, weekly forecasts, and personalized recommendations.
- It empowers users to make informed decisions about outdoor activities and sun protection.

# Target Users

- **Health-conscious individuals** who want to avoid skin damage.
- **Outdoor enthusiasts** (e.g., runners, cyclists, beachgoers).
- **Parents & families** who concerned about children's sun safety.
- **Travelers & tourists** who need quick UV information for different locations.

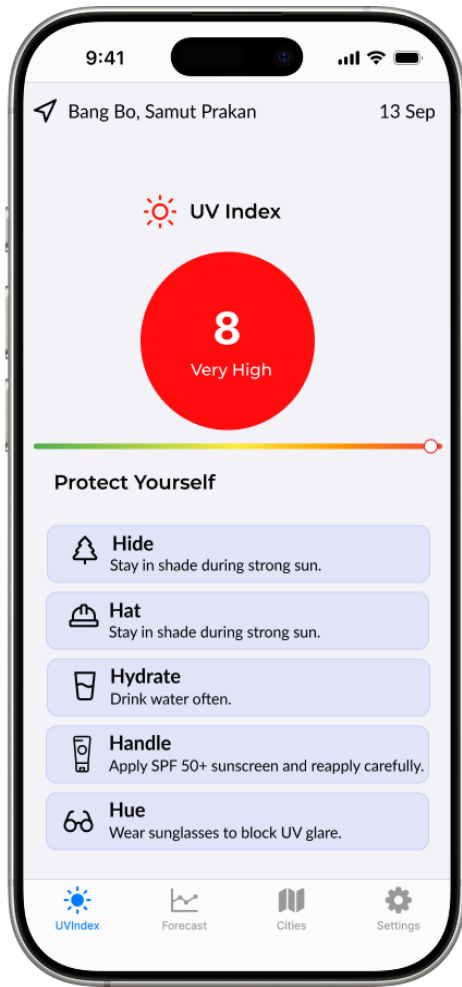
# Key Features

- **Real-time UV Index** – The app shows the current UV index at the user's exact location, helping them instantly know if it is safe to be outdoors.
- **Sun Protection Recommendations** – Along with the UV index, the app provides clear advice on how to protect yourself, such as applying sunscreen, wearing a hat, seeking shade, or using sunglasses.
- **Weekly UV Forecast** – Users can view a 7-day forecast of UV levels according to their location, with color-coded risk levels (Low, Moderate, High, Very High) to make it easy to understand.

# Key Features

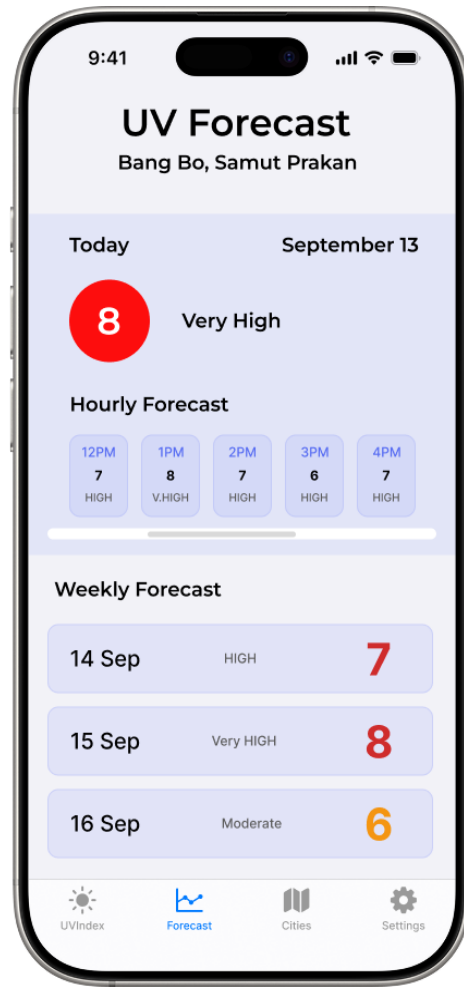
- **Add Cities** – Users can search for and add their preferred locations across Thailand or worldwide, making it easy to check UV conditions in multiple places.
- **Notifications & Alerts** – The app can send timely alerts when UV levels reach high or extreme values, reminding users to take precautions.
- **Language Options** – The app supports multiple languages, making it accessible to different user groups.
- **Time Format Choice** – A simple toggle allows users to switch between 12-hour and 24-hour clock formats for convenience.

# Main Screens (4 main tabs)



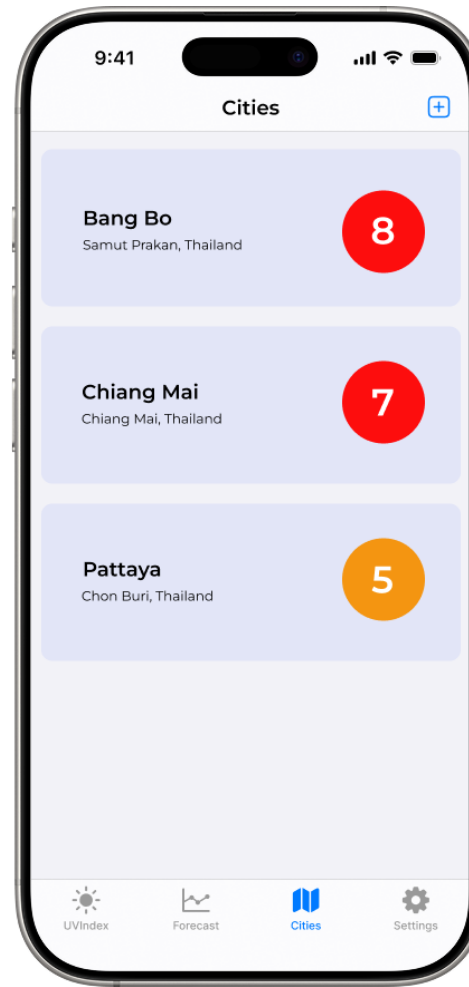
UV Index

*(for viewing real time UV index from user's current location)*



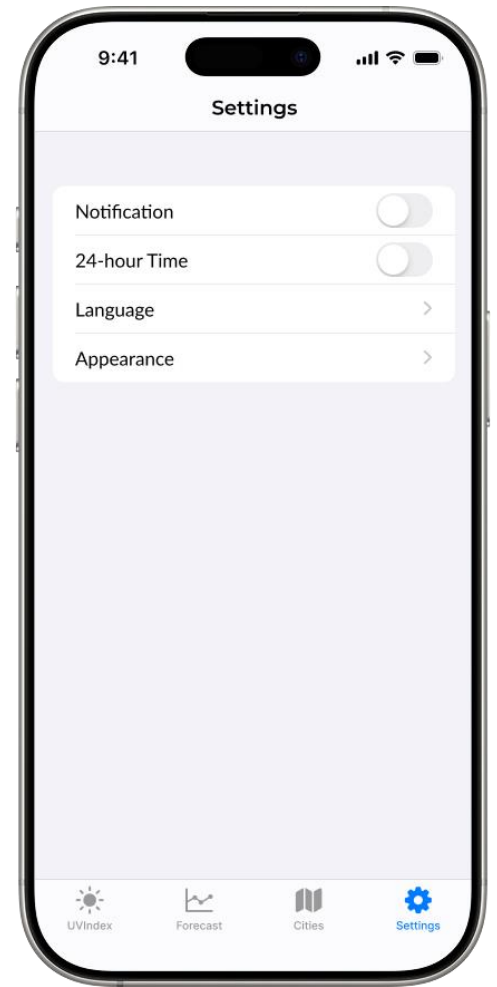
Forecast

*(Forecasted UV index of user's location)*



Cities

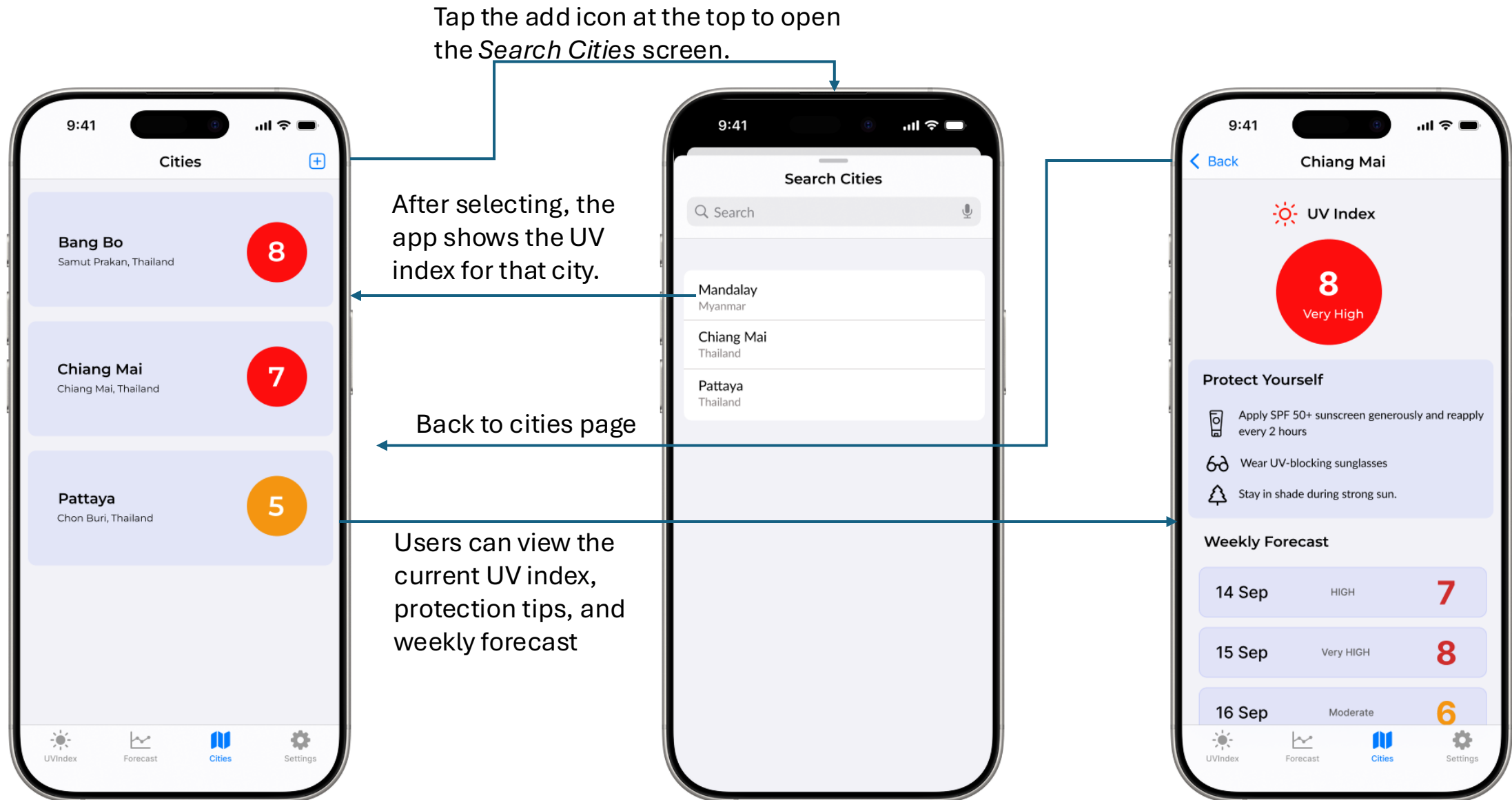
*(The page where users can view saved cities)*



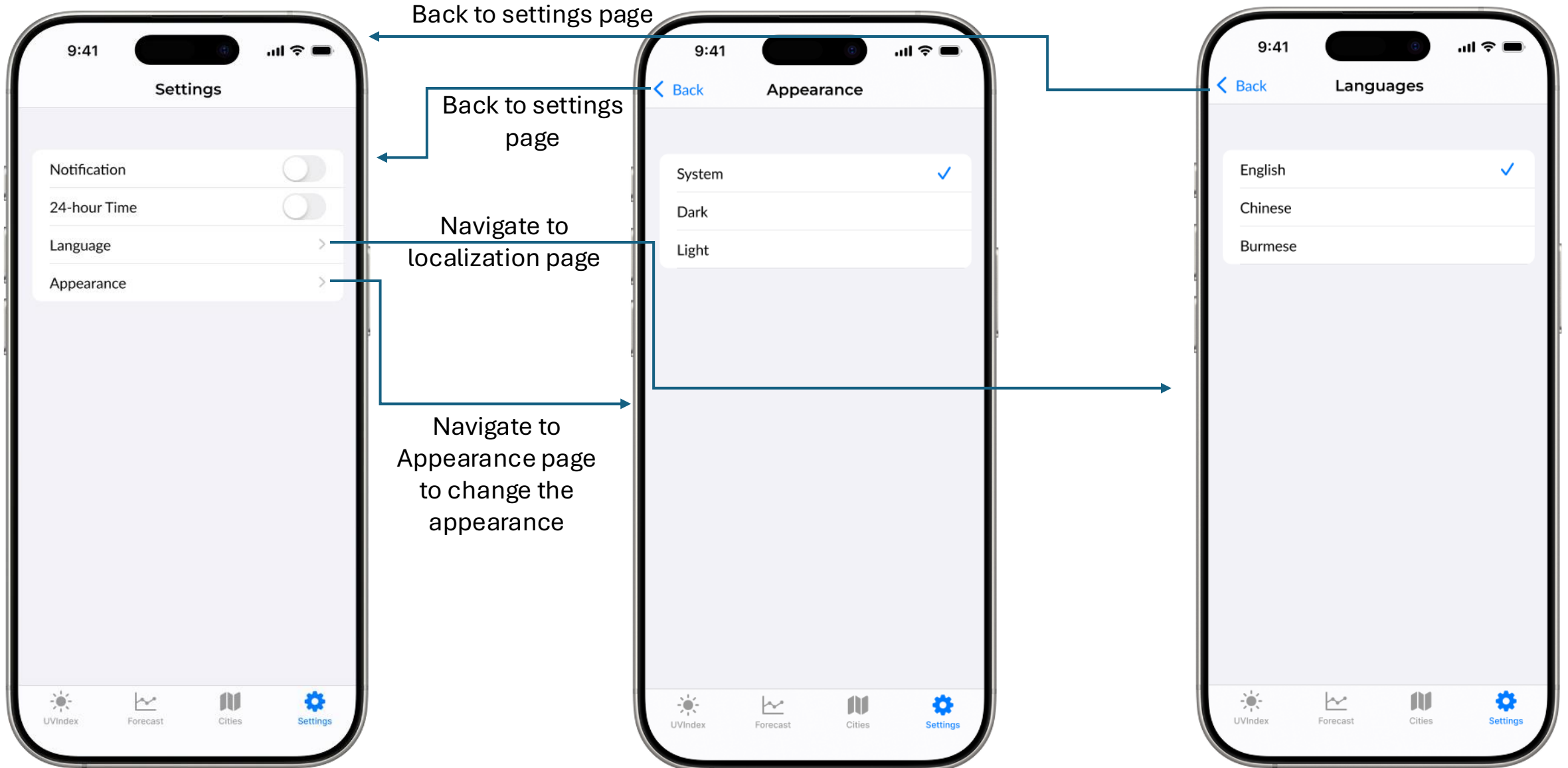
Settings

*(Users can set their preferences)*

# Cities Search Flow



# Settings Page Flow





# Resources

- <https://open-meteo.com/en/docs/geocoding-api> (For searching city)
- [https://open-meteo.com/en/docs?hourly=uv\\_index&forecast\\_hours=24](https://open-meteo.com/en/docs?hourly=uv_index&forecast_hours=24)  
(For UV Index DATA)