CAPE TOWN WILDFIRES

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TASK 2

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Introduction

The Cape Town Wildfires Tracker is an interactive map application designed to provide information about areas in Cape Town that are prone to wildfires. This application utilizes static data to display the locations that are particularly susceptible to fires, enabling users to stay informed and take necessary precautions.

Functionality

The application offers the following key features:

1. **Interactive Map**: Users can navigate an interactive map of Cape Town, which displays markers indicating areas prone to wildfires.
2. **Prone Areas Identification**: The map highlights specific regions known for their susceptibility to wildfires. Users can zoom in and click on markers to view additional details about these areas.
3. **Information Display**: Upon clicking on a marker, users are presented with relevant information about the selected area, including date, co-ordinates, name of the area, etc.
4. **Search Functionality**: Users can search for specific locations within Cape Town to quickly identify if they are prone to wildfires.

How to Use the Application

Accessing the Map

1. **Open the Application**: Navigate to the Cape Town Wildfires Tracker application using the provided URL: https://kholekan.github.io/CPT_Wildfires/ .
2. **Explore the Map**: Upon accessing the application, you will be presented with an interactive map of Cape Town. Use your mouse or touchpad to navigate across the map. You can zoom in and out to explore different areas in detail.

Viewing Prone Areas

1. **Identify Markers**: As you explore the map, you will notice markers indicating areas prone to wildfires. These markers are represented by distinct orange triangle to differentiate them from regular map features.

2. **Click on Markers**: To view detailed information about a specific area, simply click on its corresponding marker. A popup window will appear, displaying relevant data and insights about the selected location.

3. **Review Information**: Take some time to review the information provided in the popup window, which may include information about layers that are included in the legend's map contributing to wildfire occurrence and recommended precautionary measures.

Searching for Locations

1. **Utilize the Search Bar**: If you are looking for information about a particular location within Cape Town, you can use the search bar provided in the application.

2. **Enter Location**: Type the name or address of the location you wish to search for into the search bar and press Enter.

3. **View Results**: The application will display search results related to your query. If the location is prone to wildfires, it will be highlighted on the map with a marker. Click on the marker to access detailed information about the area.

Conclusion

The Cape Town Wildfires Tracker provides valuable insights into wildfire risk zones within the Cape Town area, helping users understand and mitigate potential threats. By following the provided documentation, users can easily access and utilize the application to enhance their awareness of wildfire-prone areas in Cape Town, South Africa.