**DraggableMarker Component Documentation**

**Introduction**

The DraggableMarker component is a React functional component responsible for rendering a draggable marker on a map using the React Leaflet library. It allows users to move the marker to select a specific location on the map and provides functionalities such as geocoding and displaying a pop-up with location information.

**Usage**

To use the DraggableMarker component, import it into your React application and render it within the Map component or any other component where you want to display the draggable marker.

import DraggableMarker from './DraggableMarker';

<DraggableMarker/>

**Features**

1. **Draggable Marker**: The component renders a draggable marker on the map, allowing users to click and drag it to select a specific location.
2. **Position Tracking**: It tracks the position of the marker and updates the state accordingly whenever the marker is moved to a new location on the map.
3. **Geocoding**: The component includes a geocoding functionality that allows users to search for a location by entering its name in a text input field. It uses the OpenCage Geocoding API to convert the entered location into latitude and longitude coordinates and updates the marker's position accordingly.
4. **Popup**: When the marker is clicked, a popup is displayed with various options:
   * Text input field to enter a location.
   * Button to trigger the location search based on the entered text.
   * Option to open a modal pop-up for additional functionality related to the marker's location.
5. **Modal Pop-Up**: The component provides a modal to input user data that opens when the user clicks upload button.

**Props**

The DraggableMarker component does not accept any props.

**Dependencies**

The DraggableMarker component relies on the following external libraries:

* react-leaflet: For integrating Leaflet maps into React applications.
* Leaflet: For displaying interactive maps.
* OpenCage Geocoding API: For converting location names into latitude and longitude coordinates.

Ensure that these dependencies are installed in your project before using the DraggableMarker component.

**Important Notes**

* Customize the popup content and functionality based on your application's requirements and the desired user experience.
* Update the geocoding API key (**key** parameter in the **handleLocationInput** function) with your own API key to ensure proper functionality.
* Adjust the styling and layout of the marker's popup and input fields to match your application's design guidelines.