Week 14

1.

What is Unidirectional Data Flow?

Unidirectional data flow is a technique that is mainly found in functional reactive programming. It is known as one-way data flow, which means the data has one, and only one way to be transferred to other parts of the application. In essence, this means child components are not able to update the data that is coming from the parent component. In React, data coming from a parent is called props.

Why is it important? Because it makes it Easier to debug, developer will know what data is coming from where. And It makes it Less prone to errors, developers will have more control over the data. It is also more efficient, as the library knows what the boundaries are of each part of the system.

2.

React components automatically re-render whenever there is a change in their state or props and provide dynamic content in accordance with user interactions.

Re-render mainly occurs if there is :Update in State,Update in prop,Re-rendering of the parent component

Ref https://www.geeksforgeeks.org/reactjs-unidirectional-data-flow/