State Management

* All the practice for this are in 04.React Intro – 2 – travel list app

# Thinking in React

1. Break the desired UI into **COMPONENTS** and establish the **Component Tree**
2. Build a **STATIC** version.
3. Think about **STATE:**
   1. When we use state
   2. What types of state – local vs global
   3. Where to place each piece of state
4. Establish **DATA-FLOW**
   1. One-way data flow
   2. Child to parent communication
   3. Access global state

# Fundamentals of STATE MANAGEMENT

## Local vs Global State

* **Local State** 
  + State needed only by one or a few components
  + State that is defined in a component and only that component and child components have access to it
* **Global State**
  + Many different components might need access to
  + Shared across every component in the entire application
  + Context API or REDUX
  + A diagram of a diagram

    Description automatically generated with medium confidence

# Derived state

* When you use a piece of state to create a new variable

A screenshot of a computer program

Description automatically generated

* We use the **list** piece of state to create the **statistics** variable
* Like this, we don’t need to keep the states updated and in sync since this will update by itself the statistics variable