

Basics

- ☐ `key` : Key attribute allows re-rendering much faster. Key must be unique.

React Hooks

- ☐ `useState(initial_value)` : Returns state and a `setState` function.
 - `[]`

```
const [todos, setTodos] = useState([])

function addTodo(name){
  setTodos(prevTodo=>{
    [...prevTodo, name]
  })
}
```

- ☐ `useRef()` : Returns a reference object that can be used to access HTML elements.
 - `[]`

```
const todoNameRef = useRef()
function handle(e){
  todoNameRef.current.value = null
}
return (
  <input ref={todoNameRef} type='text' onClick=handle/>
)
```

- ☐ `useEffect(a_function, [list, of, states])` : Whenever any state in list of states changes, `a_function` executes.
 - ☐ If you want to execute a function just once when the page loads, just pass empty list in list-of-states.

Creating random unique ids

```
import uuidv4 from 'uuid/v4';
uniqueId = uuidv4()
```

Making data persistent on reload

```
LOCAL_STORAGE_KEY = 'todoApp.todos'
useEffect(()=>{
  storedTodos = JSON.parse(localStorage.getItem(LOCAL_STORAGE_KEY))
```

```
    if (storedTodos) setTodos(storedTodos)  
  }, [])
```