**React 18 Feature Quick Guide**

| **CATEGORY** | **FEATURE** |
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| Concept | Concurrent React |
| Features | Automatic Batching, Transitions, Suspense on the server |
| APIs | createRoot, hydrateRoot, renderToPipeableStream, renderToReadableStream |
| Hooks | useId, useTransition, useDeferredValue, useSyncExternalStore, useInsertionEffect |
| Updates | Strict mode |
| Deprecated/discouraged | ReactDOM.render, renderToString |

1. Concurrent React  
   React can interrupt, pause, resume, or abandon a render. This allows React to respond to the user interaction quickly even if it is in the middle of a heavy rendering task.
2. Automatic batching  
   Batching is when React groups multiple state updates into a single re-render for better performance. Without automatic batching, we only batched updates inside React event handlers. Updates inside of promises, setTimeout, native event handlers, or any other event were not batched in React by default. With automatic batching, these updates will be batched automatically:
3. Transition  
   In order to distinguish between urgent and non-urgent updates, React has introduced a new concept called transition  
   1 . Transition updates move the user interface (UI) from one view to another.  
   2 . Urgent updates reflect direct input, such as typing, clicking, pressing, etc.  
   