Hook Component Lifecycle

```
   ( on          ( on prop      ( on state     ( on context      ( on
    mount )        change )       change )       change )         unmount )
```

on mount:
- execute any "lazy" initializers [1]
- render
- execute all useLayoutEffect functions
- execute all useEffect functions [2]

on prop change / on state change / on context change:
- render
- execute all useLayoutEffect cleanup functions
- execute all useLayoutEffect functions
- execute all useEffect cleanup functions [2]
- execute all useEffect functions [2]

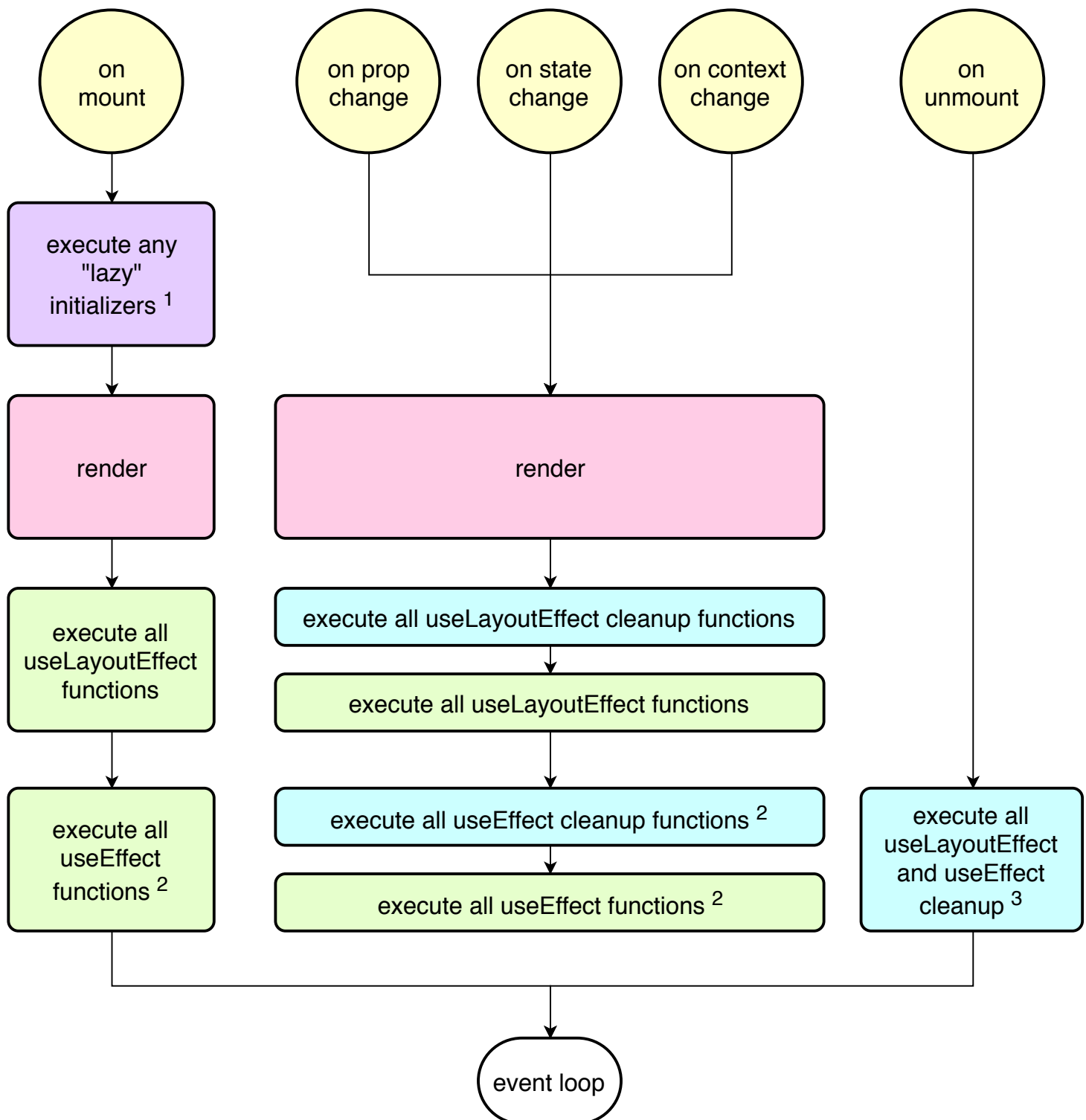**on unmount:**
- execute all useLayoutEffect and useEffect cleanup [3]

(event loop)

1. Lazy initializers are functions passed to useState and useReducer.
2. Execution is deferred until after the browser has painted.
3. Unmount cleanup happens in order of execution, without regard for type (i.e. LayoutEffect/Effect).