

# Setting foot on React Hooks

Polidea:



•

- Why is there React Hooks feature?
- What are React Hooks?
- How to implement React Hooks APIs?
- Hook the right way



#### Why?

## "Wrapper Hell"

```
BasicVerificationContainer
▼ - withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(w

withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(wi

withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(wi
                                    v<withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState
                                                 v <withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(wit
                                                               v -withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(wit
                                                                           v < withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(BasicVerification)))))))))))))) stepTwoVerified={false}>
                                                                                       v -withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(wit
                                                                                                     v withState(withState(withState(withState(withState(withState(withState(withState(withState(Apollo(withState(BasicVerification))))))))))    stepTwoVerified=(false)>
                                                                                                                 v -withState(withState(withState(withState(withState(withState(withState(Apollo(withState(BasicVerification))))))))) stepTwoVerified=(false)>
                                                                                                                               v -withState(withState(withState(withState(withState(withState(Apollo(withState(BasicVerification)))))))) stepTwoVerified={false}>
                                                                                                                                             v < withState(withState(withState(withState(withState(Apollo(withState(BasicVerification))))))) stepTwoVerified={false}>
                                                                                                                                                          v withState(withState(withState(withState(Apollo(withState(BasicVerification)))))) stepTwoVerified=(false)>
                                                                                                                                                                      v <withState(withState(withState(Apollo(withState(BasicVerification))))) stepTwoVerified={false}>
                                                                                                                                                                                    v <withState(withState(Apollo(withState(BasicVerification)))) stepTwoVerified=(false)>
                                                                                                                                                                                                v -withState(Apollo(withState(BasicVerification))) stepTwoVerified={false}>
                                                                                                                                                                                                              v <Apollo(withState(BasicVerification)) stepTwoVerified=(false)>
                                                                                                                                                                                                                             v <Mutation errorPolicy="all" ignoreResults={true}>
                                                                                                                                                                                                                                       withState(BasicVerification) steoTwoVerified={false}>../withState(BasicVerification)>
                                                                                                                                                                                                                       <p
                                                                                                                                                                                                           </withState(Apollo(withState(BasicVerification)))>
                                                                                                                                                                                               </withState(withState(Apollo(withState(BasicVerification))))>
                                                                                                                                                                                 </withState(withState(withState(Apollo(withState(BasicVerification)))))>
                                                                                                                                                                      </withState(withState(withState(withState(Apollo(withState(BasicVerification)))))>
                                                                                                                                                        </withState(withState(withState(withState(withState(Apollo(withState(BasicVerification)))))))>
                                                                                                                                         </withState(withState(withState(withState(withState(withState(Apollo(withState(BasicVerification))))))))>
                                                                                                                              </withState(withState(withState(withState(withState(withState(withState(Apollo(withState(BasicVerification))))))))))
                                                                                                                </withState(withState(withState(withState(withState(withState(withState(withState(Apollo(withState(BasicVerification))))))))))
                                                                                                  </withState(withState(withState(withState(withState(withState(withState(withState(withState(Apollo(withState(BasicVerification)))))))))))
                                                                                      </withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(BasicVerification)))))))))))
                                                                         </withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(Apollo(withState(BasicVerification))))))))))))))
                                                          </withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState
                                               </withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(with
                                 </withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(with
                  </withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(with
         </withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(withState(with
         BasicVerificationContainer
```





# **Giant Components**

```
...
                                                                                         import React, { useState, useContext, useEffect } from 'react'
 import React from 'react'
import { Card, Row, Input, Text } from './components'
import ThemeContext from './ThemeContext'
                                                                                       import { Card, Row, Input, Text } from './components'
import ThemeContext from './ThemeContext'
 export default class Greetings extends React.Component {
  constructor(props) {
    super(props)
this.state =
  componentDidUpdate() {
                                                                                        export default function Greetings(props) {
  render() {
  const { name, surname, width } = this.state
                                                                                           <Card theme={theme}>
                                                                                             <Row label="Name">
                                                                                                <Input {...name} />
           <Card theme={theme}>
                                                                                              <Row label="Surname">
             <Row label="Name">
                                                                                                <Input {...surname} />
              <Input value={name} onChange={this.handleNameChange} />
                                                                                              </Row>
                                                                                              <Row label="Width">
             </Row
              <Row label="Surname">
                                                                                                <Text>{width}</Text>
               <Input value={surname} onChange={this.handleSurnameChange} />
                                                                                              </Row>
              </Row>
                                                                                            </Card>
             <Row label="Width">
              <Text>{width}</Text>
             </Row>
           </Card>
```



## **Confusing Classes**



JavaScript makes me want to flip the table and say "Fuck this shit", but I can never be sure what "this" refers to.



"Hooks are a new addition in React 16.8. They let you use state and other React features without writing a class."







#### How?

State Hook

useState()

Effect Hook

useEffect()





WELCOME TO THE COUNTER OF LIFE

1

#### useState()

```
•
```

```
import React from 'react';
 2
     class App extends React.Component {
       constructor(props) {
         super(props);
 6
         this.state = {
 8
           count: 0,
 9
        };
10
11
       setCount = () => {
12
        this.setState(prevState => ({
13
14
          count: prevState.count + 1,
15
        }));
16
17
18
       render() {
19
         return (
20
           <div>
            You clicked {this.state.count} times
21
            <button onClick={this.setCount}>
22
23
              Click me
            </button>
24
25
          </div>
26
27
28
29
     export default App;
```

#### useState()

29

export default App;



```
import React from 'react';
    class App extends React.Component {
                                                            import React, { useState } from 'react';
      constructor(props) {
       super(props);
                                                            function App() {
       this.state = {
                                                               const [count, setCount] = useState(0);
         count: 0,
9
       };
10
                                                       6
                                                               return (
11
12
      setCount = () => {
                                                                 <div>
13
       this.setState(prevState => ({
                                                                    You clicked {count} times
         count: prevState.count + 1,
14
15
       }));
                                                                    <button onClick={() =>
                                                       9
16
                                                      10
                                                                      setCount(prevCount => prevCount + 1)}
17
      render() {
18
                                                      11
19
       return (
         <div>
                                                                      Click me
20
                                                      12
          You clicked {this.state.count} times
21
                                                      13
                                                                    </button>
22
          <button onClick={this.setCount}>
23
            Click me
                                                      14
                                                                 </div>
24
          </button>
                                                      15
25
         </div>
26
                                                      16
27
28
```

#### useState()



```
const [count, setCount] = useState(1)
     const [dog, setDog] = useState('Corgi');
     const [book, setBooks] = useState(
10
11
12
           title: 'React Hooks',
           review: 'Awesome'
13
14
15
       ]);
```

#### useEffect()

```
+
```

```
/* ... */
12
13
14
       componentDidMount() {
15
         document.title = `You clicked ${this.state.count} times`;
16
17
18
       componentDidUpdate() {
         document.title = `You clicked ${this.state.count} times`;
19
20
21
22
      /* ... */
```

#### useEffect()

```
*
```

```
/* ... */
12
13
       componentDidMount() {
14
15
         document.title = `You clicked ${this.state.count} times`;
16
17
18
       componentDidUpdate() {
         document.title = `You clicked ${this.state.count} times`;
19
20
21
      /* ... */
22
```

```
7   /* ... */
8
9   useEffect(() => {
10   document.title = `You clicked ${count} times`;
11  }, [count])
12
13   /* ... */
```

#### useEffect()



```
5
6    useEffect(() => {
7         console.log("Subscribe to Something");
8         return function cleanup() {
9              console.log("Unsubscribe to Something");
10              };
11             });
12
```

useEffect() cleanup



#### Hooks the right way

- Only call Hooks at the Top Level, not:
  - inside loops

X

conditions

- X
- nested function



#### Hooks the right way

```
function Form() {
       // 1. Use the name state variable
       const [name, setName] = useState('Mary');
 4
       // 2. Use an effect for persisting the form
       useEffect(function persistForm() {
 6
         localStorage.setItem('formData', name);
 8
       });
10
       // 3. Use the surname state variable
11
       const [surname, setSurname] = useState('Poppins');
12
13
       // 4. Use an effect for updating the title
14
       useEffect(function updateTitle() {
15
         document.title = name + ' ' + surname;
       });
16
17
18
       // ...
19
```



#### Hooks the right way

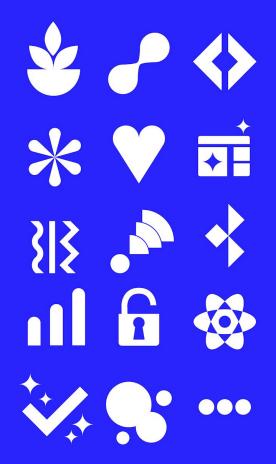
- Only call Hooks from React Functions:
  - regular JavaScript functions x
  - custom Hooks
  - React function components



#### References

- https://reactjs.org
- https://www.freecodecamp.org/news/learnthe-basics-of-react-hooks-in-10-minutes-b2 898287fe5d/



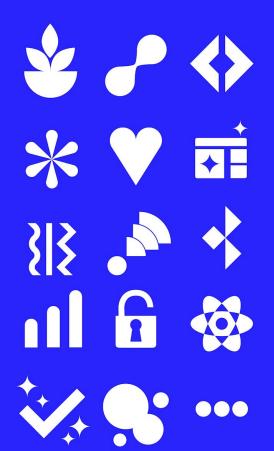


Q&A

hello@polidea.com







# Thanks!

hello@polidea.com

