

# Example: Statechart-based UI with XState

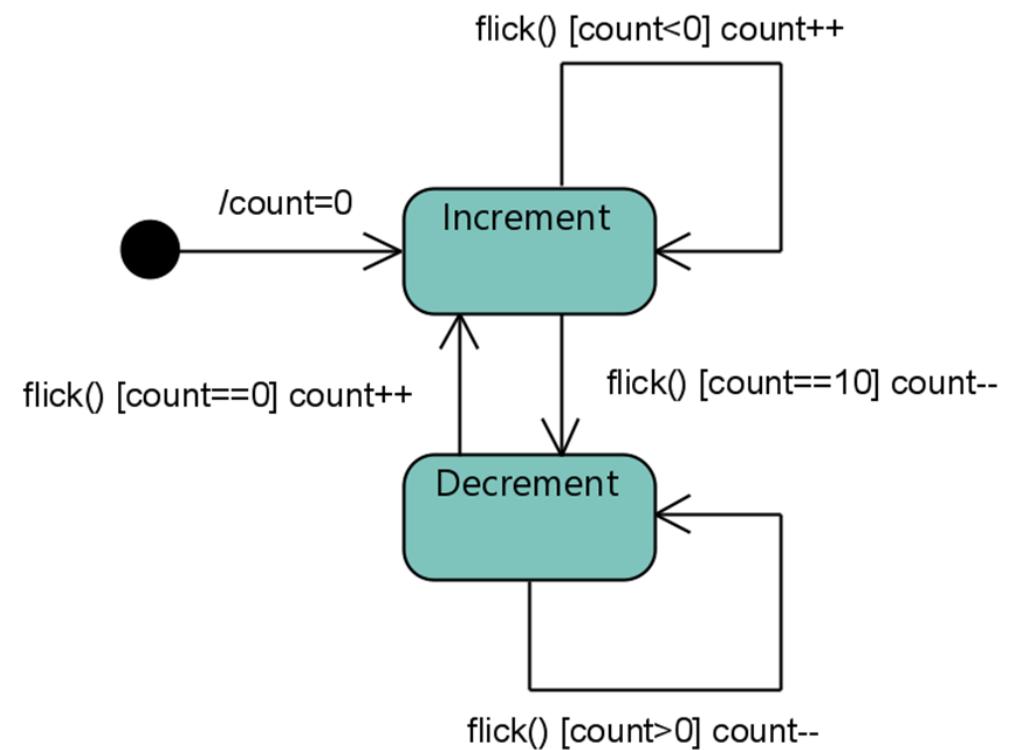
- XState is an open-source Javascript library to create, interpret, and execute statechart models
- Can be integrated with many Javascript UI libraries such as React, Vue, Svelte
- Great at managing UI State through Statecharts
- Also supports testing!
- Available at: <https://xstate.js.org/>



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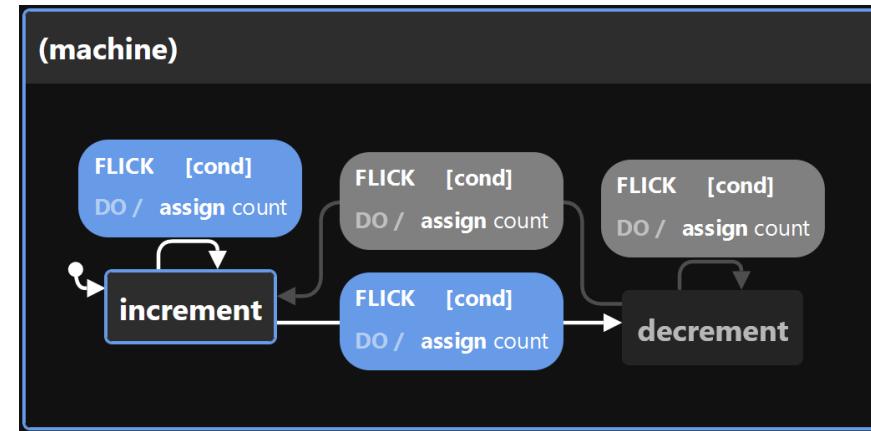
Remember our Counter example?

```
public class Counter {  
    private int count = 0;  
    private String mode = "increment";  
    public void flick() {  
        if(count>10)  
            mode = "decrement";  
        else if (count<0)  
            mode = "increment";  
  
        if(mode.equals("increment"))  
            count++;  
        else  
            count--;  
    }  
}
```



# Example: Statechart-based UI with XState

- Let's implement a simple UI for it, and let's do it the Statechart way, with Xstate and React
- Code Sandbox available [here](#):



↑  
The Counter App

