

Questions Recap Mealy and Events

Questions:

1. Name some benefits of using a State Machine?
2. What should be the first step when implementing a State Machine?
3. Name some benefits of using events?
4. Are there situations where polling is the better solution then events?
5. What is important when implementing events?

Answers:

1. Name some benefits of using a State Machine?

- Well structured
- Easy to implement
- Reusable design pattern

2. What should be the first step when implementing a State Machine?

- Define all the states and the inputs/outputs to change the state

One good idea is to draw an image

3. Name some benefits of using events?

- As efficient and straight forward as possible
- Often more elegant way to implement something

4. Are there situations where polling is the better solution than events?

- When there would be too many events and the MC can't handle all, it's better to poll something with a defined timeout.

5. What is important when implementing events?

- The service routine should just set the event and store it in a „event queue“. An event handler does the heavy work.