UART LED State Machine Diagram

Initial State

Input: **'F'** + **"Turn LED OFF"**

Invalid/unexpected character: "Return to **STATE IDLE**"

STATE IDLE:

Waiting for **'O'**

Input: **'O'**

Input: Any other Character

STATE_O:

Received 'O', waiting for 'N' or 'F'

Input: **'F'**

STATE_F:

Received **'F'**, Waiting for next **'F'**

Input: **'N'** + **"Turn LED ON"**