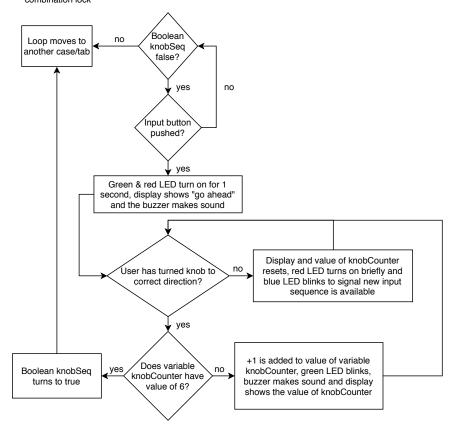
Knob Case

This case lets the user turn the knob in order to unlock the 'combination lock'



Start Case

This case displays a sequence of actions before the 'code lock' part starts

Loop moves to another case/tab

Boolean startSeq false and boolean knobSeq true?

Display shows "CODE", buzzer makes sound and the green & red LED turn on for 1 second

Boolean startSeq gets a true value

Input This case displays the 'code lock' sequence of the Boolean inputSeq false and boolean startSeq true? vault. The user no Loop moves to can open the vault another case/tab by entering the right combination of numbers yes Variable inputButton changes by yes 1, display shows value of variable Input button pressed inputButton, green LED turns on briefly and buzzer makes sound no no Confirm button pressed? yes Green LED indicates that vault is open and Value of confirmButton increases buzzer makes sound Value of confirmButton 4? Is the confirm no by 1, display shows value of the button pressed 4 times? array 'code', red LED turns on briefly and buzzer makes sound Boolen inputSeq gets a true value yes yes Value of array 'code' resets, display resets, red LED turns on no No action will be performed Value of array 'code' equal to the code 4132? since there is no condition briefly and buzzer makes sound met in the loop