**hardware:**

The hardware used in this project

* Arduino due
* 4x4 keypad(8pins)(d0<->d7)
* Servo 9g(3pins)(vcc-gnd-d0)
* pir hc-sr501 (bewegingssensor) (3pins)(vcc-gnd-d0)
* decibel microphone (3pins)(gnd-vcc-a0)

the set up :

the 4x4 matrix is used in the keyboard class. Put to 8 digital pins of the aruidno due.

The servo is used in the motor class and is used as motor for lock in the lock class. Put to 1 digital pin of the arduino due

The pir sensor is used in the movement class and is put to one digital pin of het arduino due

The decibel microphone is used in the sound class for measuring the rythme. Put to analog port on the arduino duet hat is usable as analog to digital conversion

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For everything in set up vcc to 5v and gnd to gnd on the arduino due.

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