

# Webcam Privacy

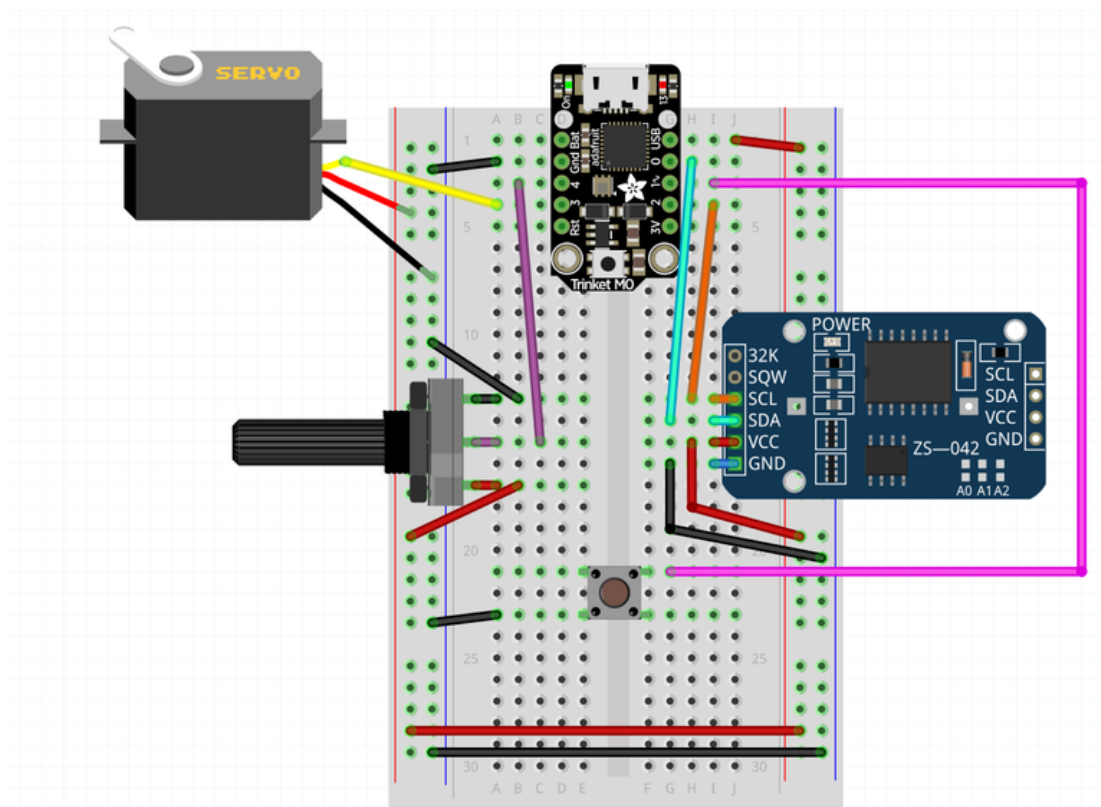
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## Problem Statement:

Many times we forget to turn off our cameras/webcams when we don't need them or when we don't want them to be switched on. The aim of this project is to control the blocking of the camera using a circuit so that when the camera is blocked, nothing will be visible even if it is switched on.

## Planning and Ideation:

The camera is opened or closed using a cover. This cover is controlled using a servo motor. The cover needs to be designed in such a way that it can be effectively controlled by moving the hand of the servo motor.



The motion of the cover is controlled using a pushbutton. A timeout feature is developed using a clock module and potentiometer. The potentiometer brings in an analog reading which is programmed to translate to a number of minutes, after which the eyelid is programmed to close and cover the webcam. The cover still manually closes with the pushbutton.

## Improvements in the Project:

A possible improvement which can be ideated upon is controlling the cover of the webcam using a bluetooth module.

The webcam can be closed or opened using a mobile phone or using the laptop/computer itself.

However developing a mobile application for this purpose is a difficult task. Any already existing apps on the internet can be used.