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|  | Detector Pi will take a picture with a camera when the PIR sensor is triggered.  Rationale: Detector Pi is a Raspberry Pi that is connected to the PIR sensor. |
|  | Server Pi will push the picture, video, and audio to the Computer Science department server.  Rationale:  Server Pi is a Raspberry Pi that will push and extract data to the Computer Science department server and send data between the two Raspberry Pi’s. |
|  | An alarm will sound for 60 seconds when the PIR sensor is triggered. |
|  | An LED light will turn on for 60 seconds when the PIR sensor is triggered. |
|  | The website will have a button in which the user can specify a time range for the system to be active. |
|  | A log in page for the website where the user will enter a username and password. |
|  | A registration page on the website for the user to register the device under their account. |
|  | A registration page will ask the user for their log in credentials and a specific code. |
|  | The log in page will have a checkbox the user can use to have the website stay logged in. |
|  | The website will display the pictures with the date and time of the respective picture. |
|  | The website will display videos with the date and time of the respective video. |
|  | The main page of the website will contain a table for the user to see all previous and current activity. |
|  | The table rows can be clicked to display the snapshot from the event. |
|  | The table rows can be clicked to display and play the video from the event. |
|  | There will be a button on the website that will arm and de-arm the system. |
|  | There will be a button on the website to enable and disable video recording. |
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