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| 2.1 UI (User Interface) Requirements | |
| 2.1.1 | The UI shall display a table of all media addresses from past events. |
| 2.1.2 | The UI shall allow the user to power on and off the HAS (House Alarm System). |
| 2.1.3 | The UI shall allow the user to toggle environmental equipment. |
| 2.1.4 | The UI shall allow the user to wipe all current data. |
| 2.1.5 | The UI shall allow the user to reset the HAS. |
|  | 2.2 LM (Login Module) Requirements |
| 2.2.1 | The UI shall provide a login page. |
| 2.2.2 | The UI shall store metadata of the user’s logins. |
| 2.3 ED (Environmental Detection) Requirements | |
| 2.3.1 | The ED shall turn on an LED strip when it receives a signal from the PIR (Passive Infrared) sensor. |
| 2.3.2 | The ED shall sound an alarm on a speaker when it receives a signal from the PIR sensor. |
| 2.4 RM (Recording Module) | |
| 2.4.1 | The RM shall enable video recording when PIR sensor is triggered. |
| 2.4.2 | The RM shall be able to provide a livestream from the camera to the UI. |
| 2.4.3 | The RM shall command the camera to take a picture when it receives a signal from the PIR sensor. |
| 2.4.4 | The RM shall enable audio recording when it receives a signal from the PIR sensor. |

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| 3.1 MM (Main Module) Requirements | |
| 3.1.1 | The MM shall alert the local authorities when an event occurs. |
| 3.1.2 | The MM shall receive configuration updates from the UI (user interface). |
| 3.1.3 | The MM shall send the configuration updates to the EDM (External Device Module). |
| 3.1.4 | The MM shall receive data files from the EDM. |
| 3.1.5 | The MM shall send data files to the database. |
| 3.2 (EDM) External Device Module Requirements | |
| 3.2.1 | The EDM shall send a status signal to the RD (Recording Devices) to turn them on or off. |
| 3.2.2 | The EDM shall receive data from the RD. |
| 3.2.3 | The EDM shall send a status signal to the Sensors to turn them on or off. |
| 3.2.4 | The EDM shall receive status signals from the Sensors. |
| 3.2.5 | The EDM shall receive processed configuration signals from the MM. |
| 3.2.6 | The EDM shall send data files from the RD to the MM. |
| 3.3 UI (User Interface) Module Requirements | |
| 3.3.1 | The UI shall send login information to the LM (Login Module). |
| 3.3.2 | The UI shall grant user access to the LM. |
| 3.3.3 | The UI shall display all video recordings from all events. |
| 3.3.4 | The UI shall allow the user to configure the HAS (House Alarm System). |
| 3.3.5 | The UI shall send user configurations to the MM. |
| 3.3.6 | The UI shall request data files from the Database. |
| 3.4 LM (Login Module) Requirements | |
| 3.4.1 | The UI shall provide a login page. |
| 3.4.2 | The UI shall store metadata of the user’s logins. |