מסמך איפיון מוצר

Project Name: “houst alert”

Participants:

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Product description:

Burglary of private homes, unfortunately for property owners, is an unusual occurrence in many places in the world and especially in affluent neighborhoods. Even if the criminals are caught, usually damage has already been done to the house, and in addition emotional damage has also been done to the tenants.

"house alert" It is a smart system for preventing burglary to private homes that comes to prevent the burglary even before it is carried out. It knows how to detect movements outside the doorways and in response to "show presence" in the house and update the owner, it does this by turning on the lights in the house, and sending an alert to the landlord.

Product scope description:

* Identify "suspicious" movements around the house. When the system is activated, it listens with sensors to movements around the house and knows how to detect that when they are occurring.
* Deterrence of burglars. Once the system detects movement outside the house, it simulates a presence in the house by turning on smart lights in the house in order to confuse the burglars and deter them from entering the house in the first place.
* Notify the property owner. Once the system detects movement outside the house, it takes care of informing the owner of what is happening through a direct alert to the cell phone, so that he can call law enforcement, and his family members who can reach the house or are inside and may find themselves in danger.

Acceptance criteria:

* Ability to detect movements around the house, this is the most basic ability without which the product is not usable.
* Updating the property owner on the new presence in the property in order to take steps calculated by the customer, whether it is turning on lights in the house, showing presence, calling and warning family or calling the police

Deliverables:

* The customer of the product can prevent break-ins, thefts and other unwanted actions in his personal assets
* The customer can enjoy an increased sense of security in the knowledge that he is more protected

Hardware Requirements:

* Microcontroller (Arduino)
* Occupancy sensors for identifying objects outside windows
* Proximity sensors for identifying objects outside windows
* Smart lights (for warning(
* Component that knows how to communicate with the customer (send alerts)