Software Testing

Assignment # 3

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# **Smoke Detection:**

One of the most important features of “Home Security System” is ‘smoke detection’ which goes by the following steps:

## The smoke detector detects the smoke or fire if exists in any part or near the house boundaries.

## After the identification of smoke, the smoke detector alerts the alarm system.

## The alarm system makes an audible alarm sound to aware the inhabitants of the house.

## The system then notifies the relevant authority, that is, Fire Brigade.

# **2. Issue Burglar alarm:**

Then for any dangerous intrusion in the house, the feature for the security is:

## The system detects the unknown and potentially dangerous intrusion.

## The system notifies the alarm system of the invasion.

## The alarm system enables the siren to aware the house members of the intrusion in the house.

## The system connects to the relevant authority, that is, Police Station.

# **3. Alerts the relevant authority:**

Then for any fire detection or dangerous intrusion in the house, the feature for the security is:

## The system identifies the relevant authorities in the case occurred.

## The system contacts the proper authority.

## The system sends the address of the house to the authority members.

## The system then sends the incident information to the authority members.