UML Diagrams LAB-1 Report

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**SCRUMDO:**

Let us assume lab1 assignment as a project and I considered each task given as iteration. I have written stories for each iteration and also each stories as sub tasks.

**UML DIAGRAMS:**

**CLASS DIAGRAM**:

**Controller**: Controller is the responsible for all the functions happening in the home security system. Mobile system, Connection status and Security system identification connected to the Controller. Controller will sends request and response to the devices.

**Security system**: Security system has input sensors like entry sensor, temperature sensor, and smoke sensor. Entry sensor are used to find out the Intruders. Entry sensor sends request to the controller. Controller responds and sends response to the owner and also System provider. Each sensor has different Identification code must matches to the security system ID. It Sends response to the Controller.

**Mobile system**: Controller sends notifications to Mobile system. We have to add phone numbers by using Controller. By using Mobile device we can operate the controller. If alarm starts we can cancel the alarm by using our mobile devices.

**Connection Status**: This system acts like a display. It shows device is connected or not.



All the classes are being controlled by the controller.

SEQUENCE DIAGRAM:

The following is the sequence diagram for the given sequence diagram:

Let us consider below sequence diagram is for Entry sensor. If any Intruder stands at door/Window , Entry sensor recognizes by using motion detector and send notifications to Controller. Controller send notifications to the mobile as an Alarm and also sends to the service provide. Owner can cancel the Alarm if the Intruder is well known to him. By using mobile device we can operate the controller.

