Functional Requirements :

Initially, the system is responsible for locating the seat where there is loud noise

Thus the system sends to the observer the number of the seat in which the loud sound occurs, and accordingly the system needs:

Logging in to tours on the system via (MAC / IP) and adding them to the network responsible for delivering data to it, in addition to alerting the student or reader that it is annoying by adding a small lamp to the system until he does so.

1-Add and remove mobile devices to the system

2- Alerting the person sitting at the seat if his voice exceeds the permissible limit with a traffic light, and if he lights up 3 times, he sends a message to the observer about the seat number.

3- All lighting for all seats are stored separately in a table in the database . In the event that there are more than 3 lights for a particular seat, a message is sent to the supervisor in charge of this site or to the nearest observer and scan the number of lights for this seat and start again to register for this seat.

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Non Functional Requirements :

Response:

1- The annoying seat number must be moved in less than a second. Response time should not exceed 1 second.

1. Accessibility :

1- The mobile must be connected to the Internet continuously and on the same network.

2- Notifying the sitting person of the noise he makes several times before sending a message to the proctor.

1. Ease of use:

1- The login process and instructions in Arabic to facilitate the user (observers)

2- Ease of adding or removing a new cell phone on the system

1. performance:

1- Use Wi-Fi instead of Bluetooth for a wider range

2- Saving energy and effort

1. Maintainability:

1 - The system should be easy to modify and upgrade, and not costly in terms of time, effort and cost.

1. Shape:

1-Small in size as it is placed in the form of a chandelier or a cube