

README

1. **Install Arduino drivers** from the Arduino website if your system doesn't recognize the Arduino automatically. This is often needed for Windows.
2. **Connect the Arduino Uno** to your computer using a USB cable.
3. **Launch** the Arduino IDE on your computer.
4. Navigate to 'Tools > **Board**' and select 'Arduino Uno'.
5. Go to 'Tools > **Port**' and choose the port labeled 'Arduino Uno'.
6. To use the system, open your customized code and press the '**Upload**' button to compile and transfer it to the Arduino controller .
7. If you encounter errors, open 'Sketch > Include Library > Manage Libraries...' in the IDE, search for the needed library, and click 'Install'.
8. Press the push button to turn on the LED light and the servo motor.
9. The LED light that simulates the lighting in the restaurant and the servo motor that simulates the Air conditioner in the restaurant will start working non-stop unless you press the push button again.
10. If there is someone in the room, located 40 cm or less than the distance sensor, the buzzer that simulates an entrance bell will beep. Otherwise, the buzzer will be off.
11. If there is someone in the room, located 40 cm or less from the distance sensor, the LCD screen will display the message "Hello Guest". Otherwise, the LCD Screen will be off.