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Project Name	Smart Farmer - IoT Enabled Smart Farming Application

BUILD A WEB APPLICATION USING NODE-RED

Node-RED interface showing a flow for a Smart Farmer IoT application. The flow is divided into three sections: Flow 2, Flow 1, and Flow 3.

Flow 2: Starts with an **IBM IoT** node (connected) and a **smartfarmer_db** node. The **IBM IoT** node connects to three function nodes: **Temperature**, **Humidity**, and **Soil Moisture**. The **smartfarmer_db** node connects to the **Temperature** function node.

Flow 1: Contains three function nodes: **MotorON**, **MotorOFF**, and **Motor_Control**. The **MotorON** and **MotorOFF** nodes connect to the **Motor_Control** node. The **Motor_Control** node connects to an **IBM IoT** node (connected).

Flow 3: Contains three function nodes: **Sensor_Data**, **Motor_Control**, and **Sensor_data**. The **Sensor_Data** node connects to the **Motor_Control** node. The **Sensor_data** node connects to the **smartfarmer_db** node.

Common Nodes: Includes **inject**, **debug**, **complete**, **catch**, **status**, **link in**, **link call**, **link out**, and **comment**.

Function Nodes: Includes **function**, **switch**, **change**, **range**, **template**, and **delay**.

Message Log: Shows messages received from the **IBM IoT** node. The messages are JSON objects containing sensor data and control commands.

```

11/14/2022, 8:15:40 AM node: msg_payload
msg.payload: Object
  { command: "motoron" }

11/14/2022, 8:15:41 AM node: msg_payload
msg.payload: Object
  { command: "motoroff" }

11/14/2022, 8:15:49 AM node: b96245ee0a86b4e0
msg.payload: Object
  object
    id:
      "005f5aba6f1a6c0ca52c54d7cbb84ef5"
    rev: "1-7e71f85e0b08c5d6fcb4383aaa4d56"
    topic: "iot-2/type/iot_device/id/iot_device_1/event_1/fmt/json"
    payload: object
      temperature: 32
      humidity: 25
      soil_moisture: 24
      deviceId: "iot_device_1"
      deviceType: "iot_device"
      eventType: "event_1"
      format: "json"
  
```