Smart Farming

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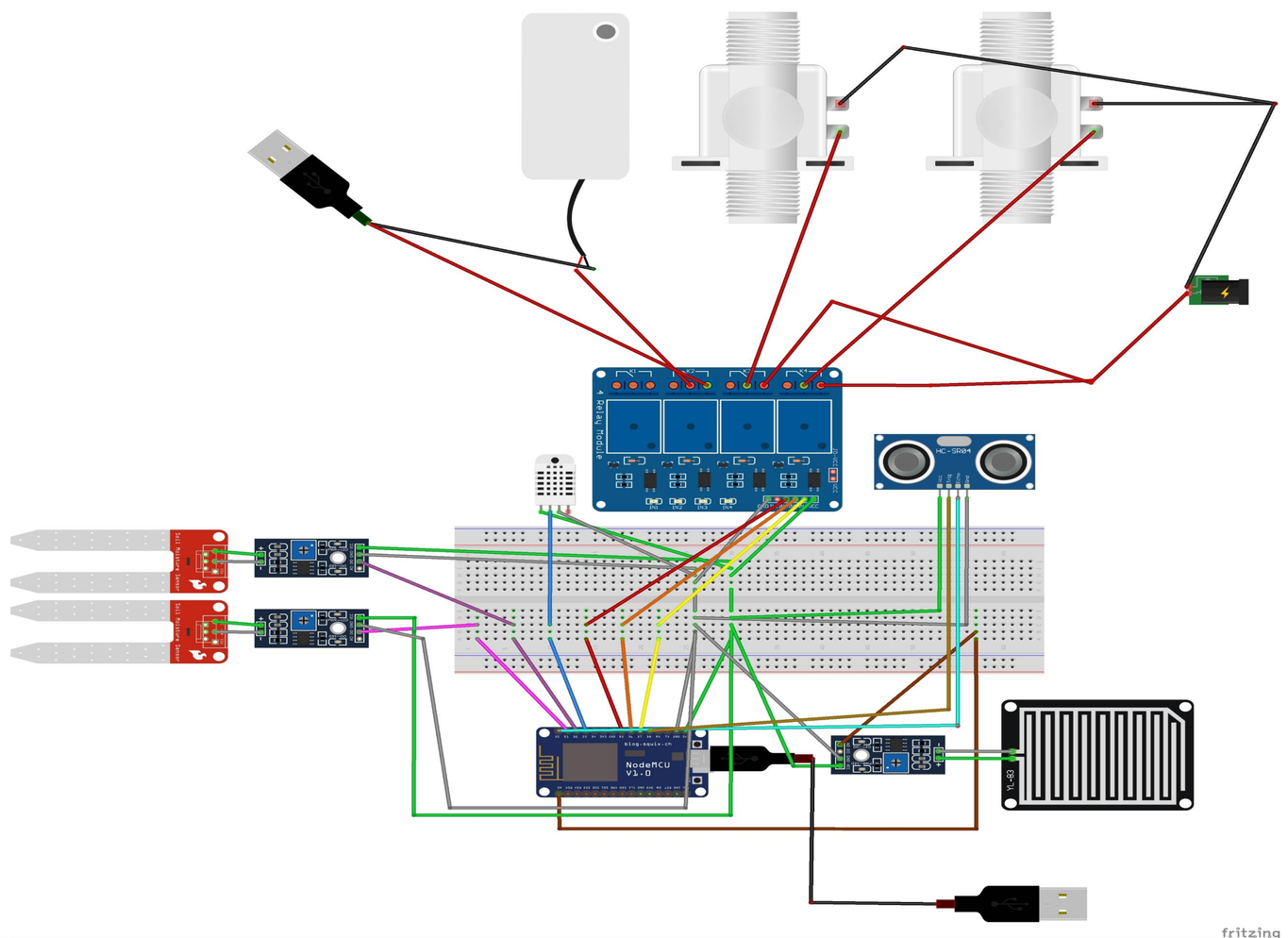
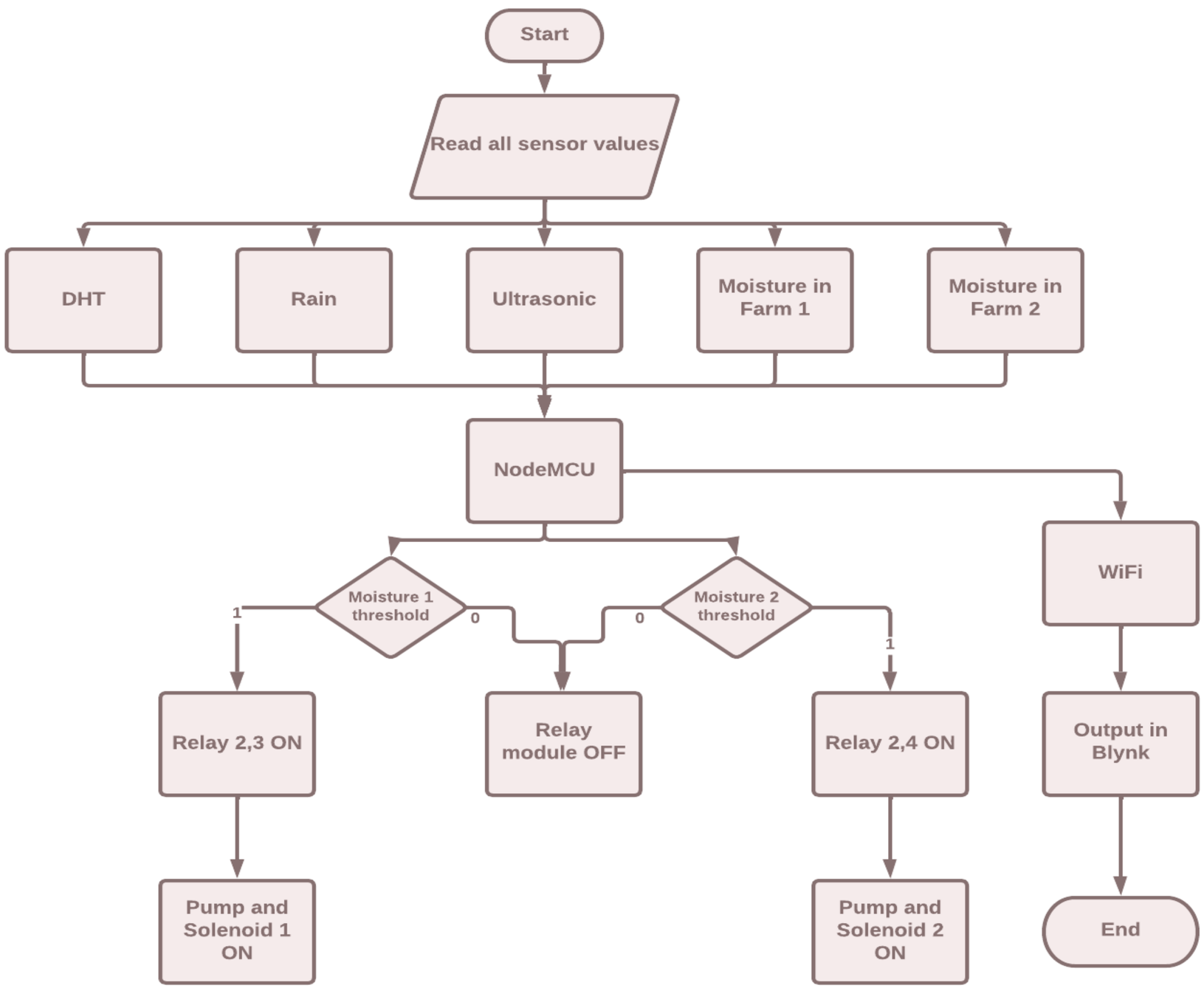
Introduction

- Smart farming enables farmers to access real-time data, such as soil moisture, humidity levels, crop health and more, through devices such as drones and sensors. The generated data allow farmers to take the right actions with their crops to enable better growth and cultivation.
- Most of the farmers use large portions of farming land and it becomes very difficult to reach and track each corner of large lands.

Circuit Diagram



Flow diagram



Output

Features

- Precision agriculture
- Remote control and monitoring
- Weather-based irrigation scheduling
- Smartphone control
- Water management
- Customization
- Even distribution using sprinklers

Conclusion

- The smart farming is feasible and cost effective for optimizing water resources for agricultural production.
- This Farming system allows cultivation in places with water scarcity thereby improving sustainability.