

# Introduction

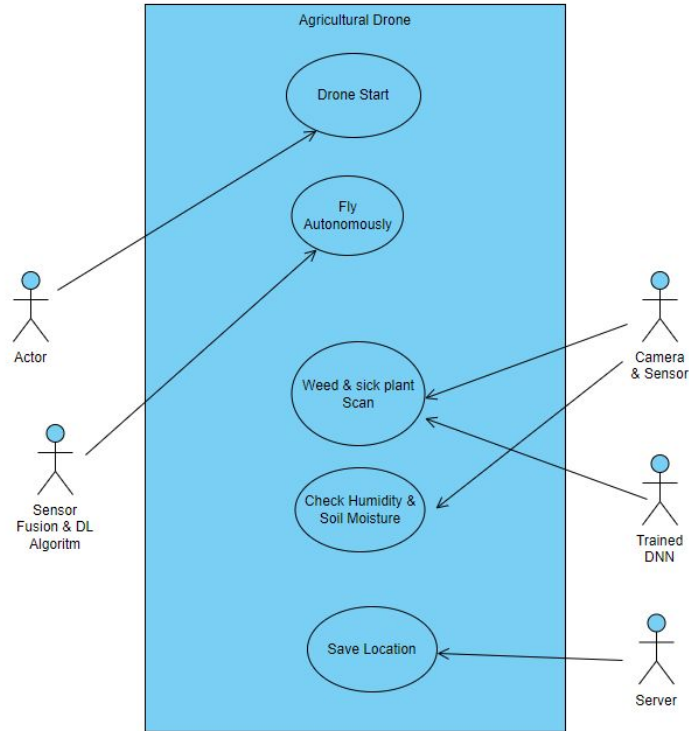
## Precision Farming

- Field Mapping
- Weed detection
- Irrigation
- Sick Plant treatment

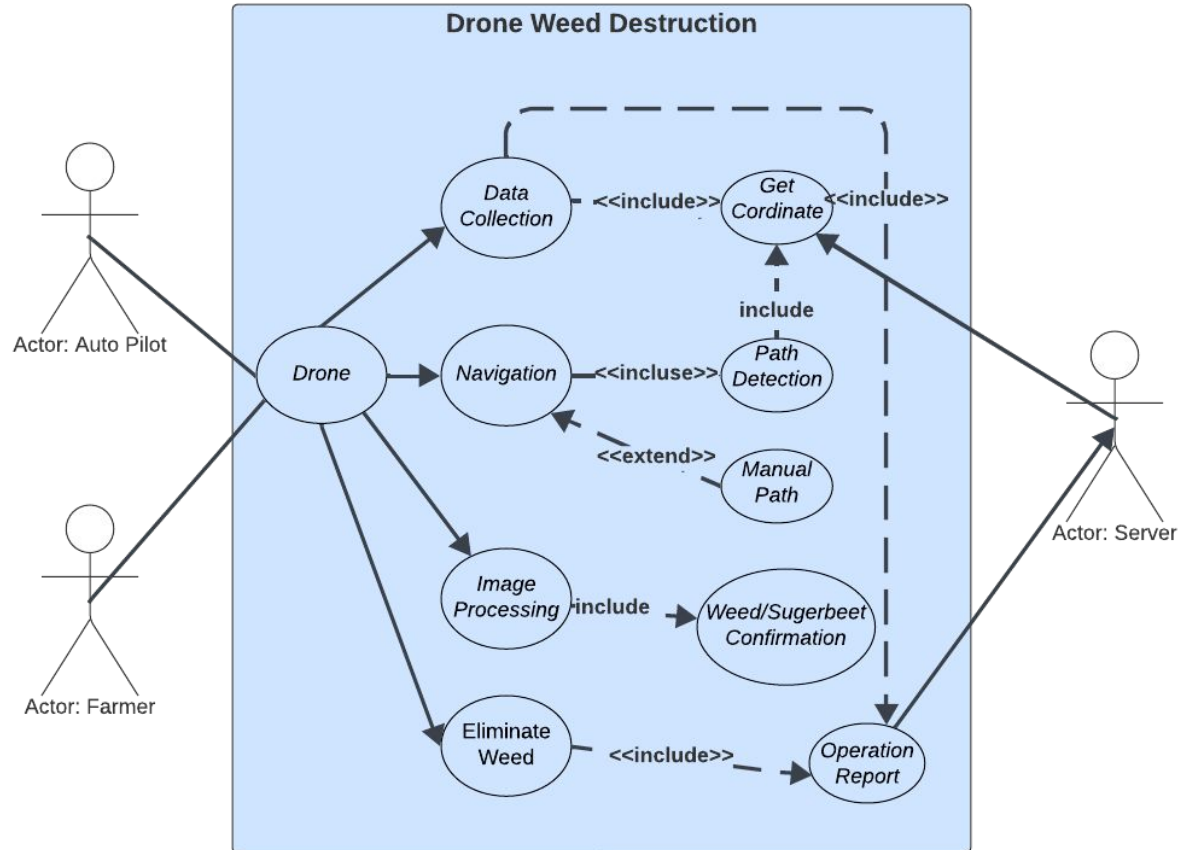
Group D:

Jires  
George  
Forkan  
Emeka

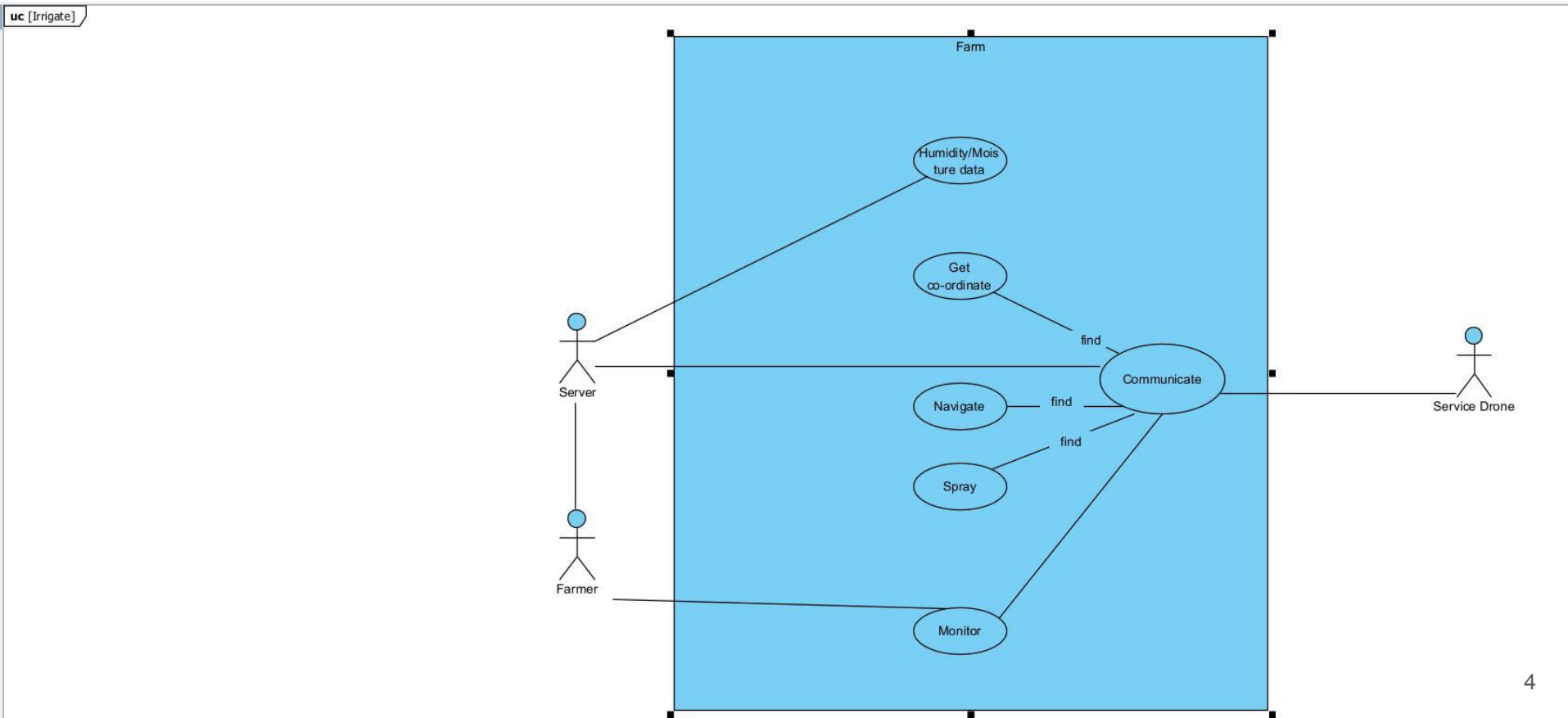
# Field Mapping



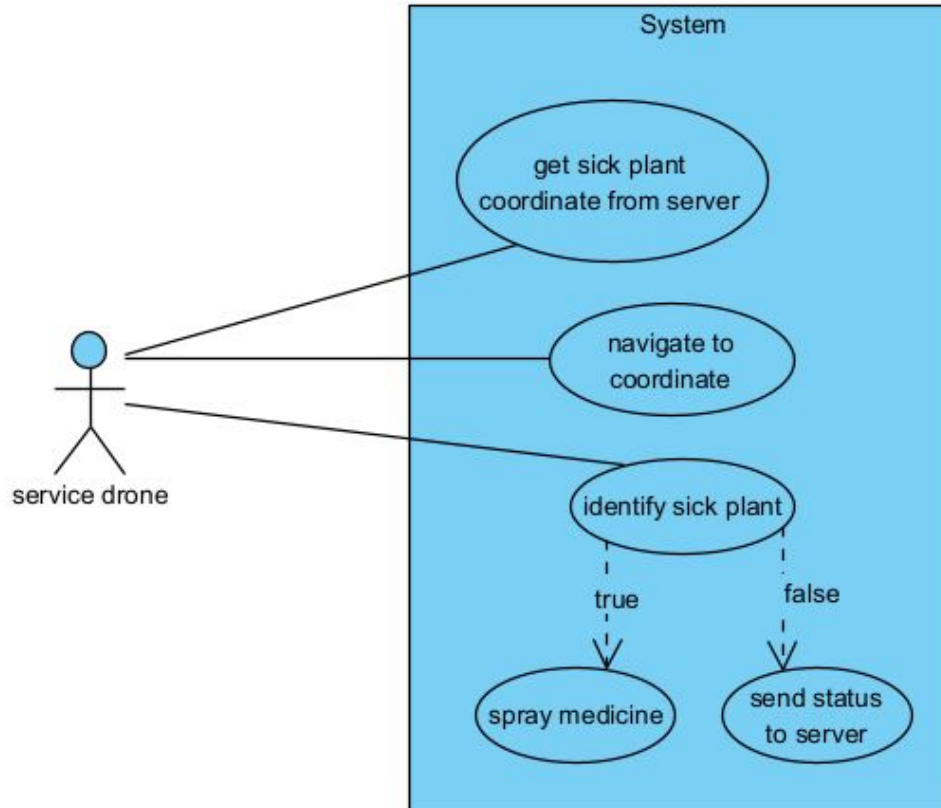
# Weed Destruction



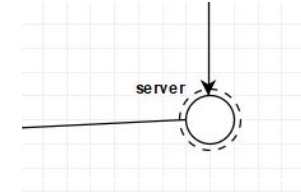
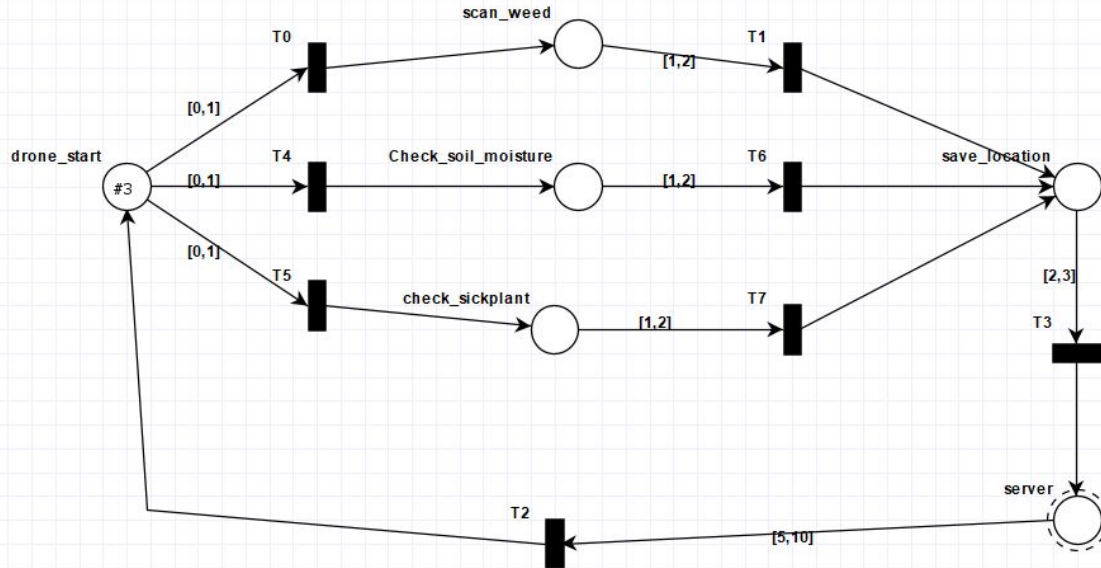
# Plant Health: Irrigation



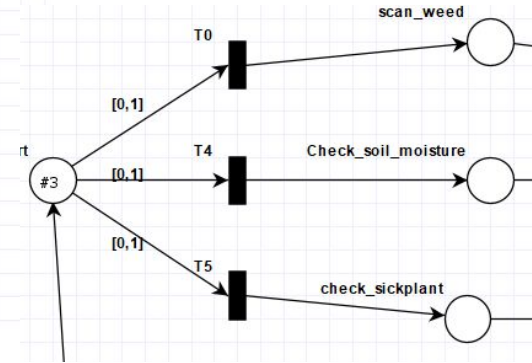
## Use case: Sick plant treatment



# Field Mapping and data storage to server

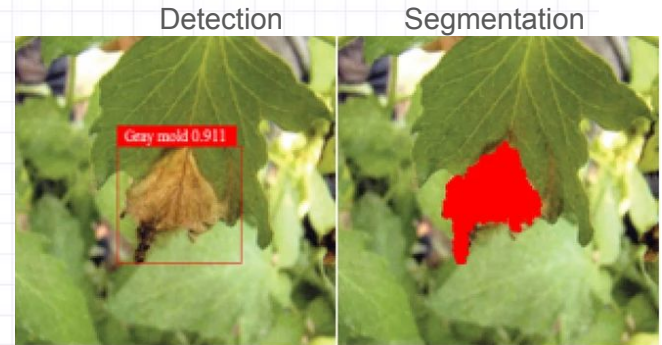
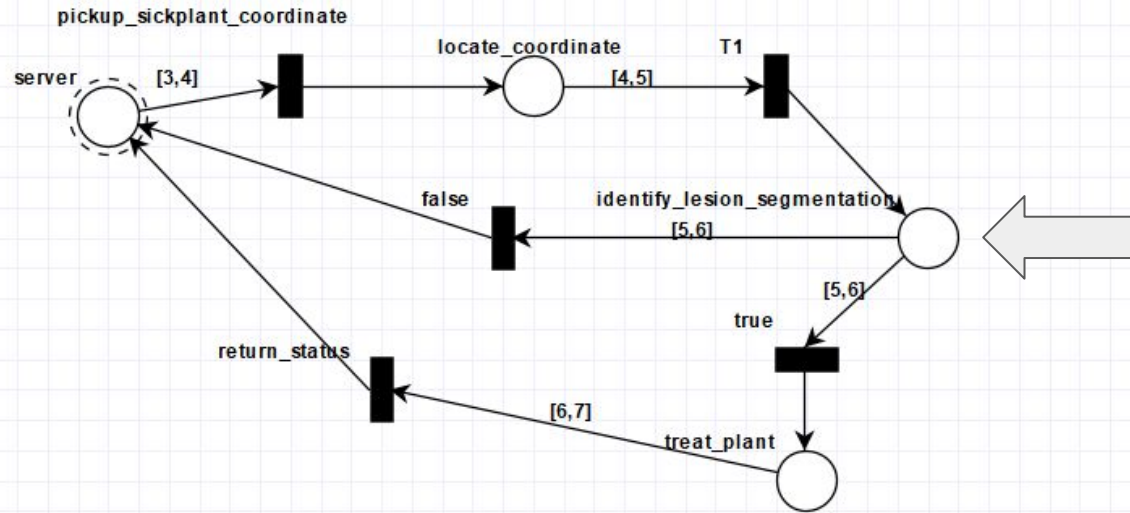


Shared server



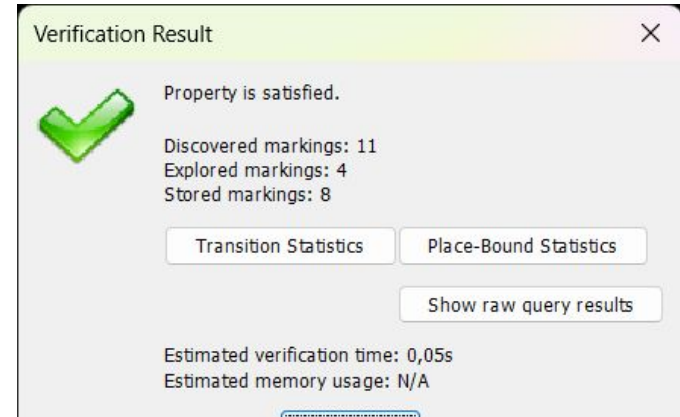
Timed transition

# Sick plant detection



# Tapaal Model Verification

- If markings are reachable in the net
- If all markings satisfy the given property
- After firing does the reached marking satisfy
- If the markings encounter a deadlock





# Implementation