



# Trawling for Requirements –



## Part 1

### Lecture Objectives:

- 1) Define Business Event
- 2) Define time triggered business events
- 3) Translate a context diagram into a list of business events and input and output views
- 4) Explain the relationship between work response and use cases.

Assignment: Read Chapter 5

Elicitation  
interviews

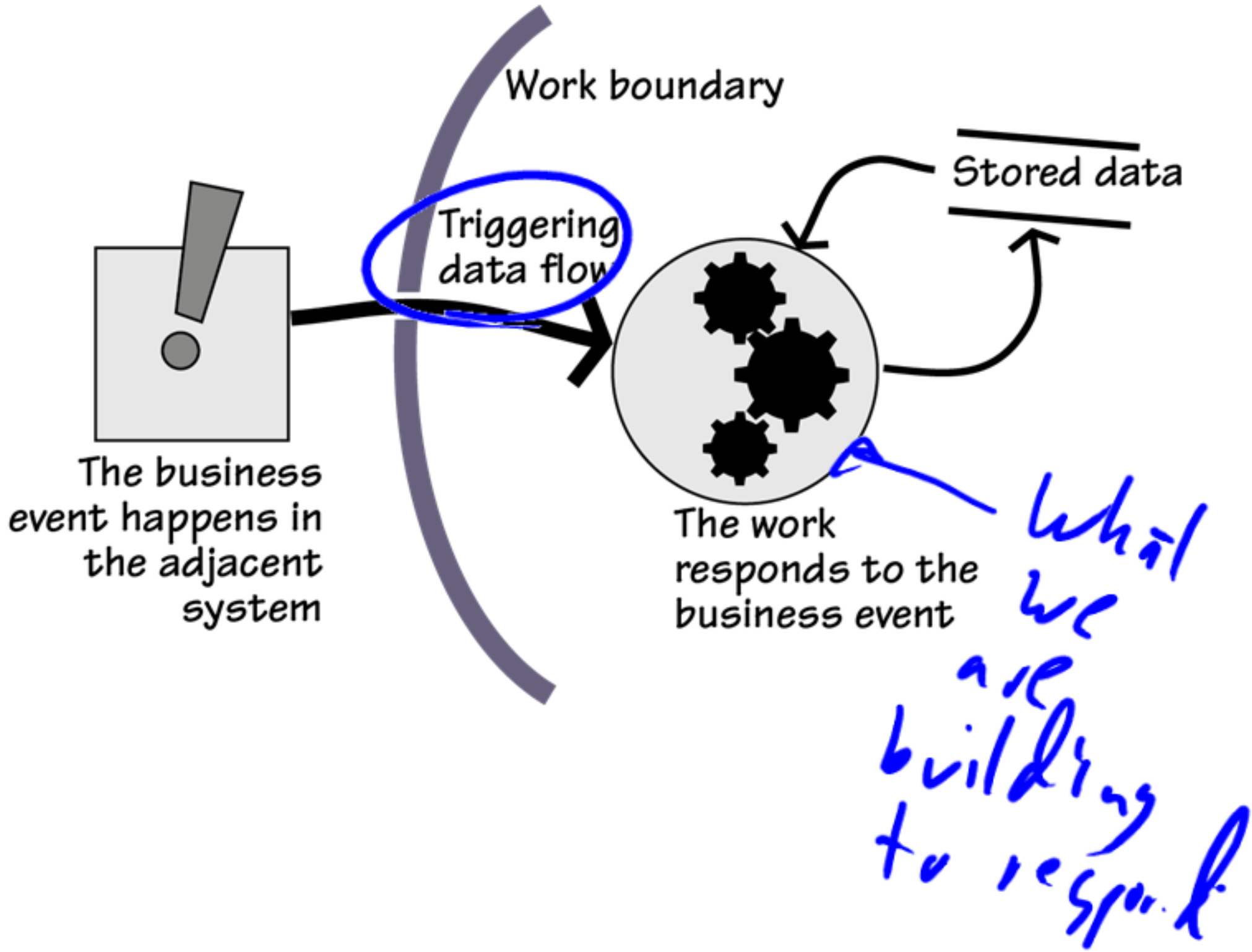
Shadowing

role playing,  
etc.

# Definition – From Chapter 4

- What is a business event?

A business event is something that happens outside of the system which causes the system to respond to it.



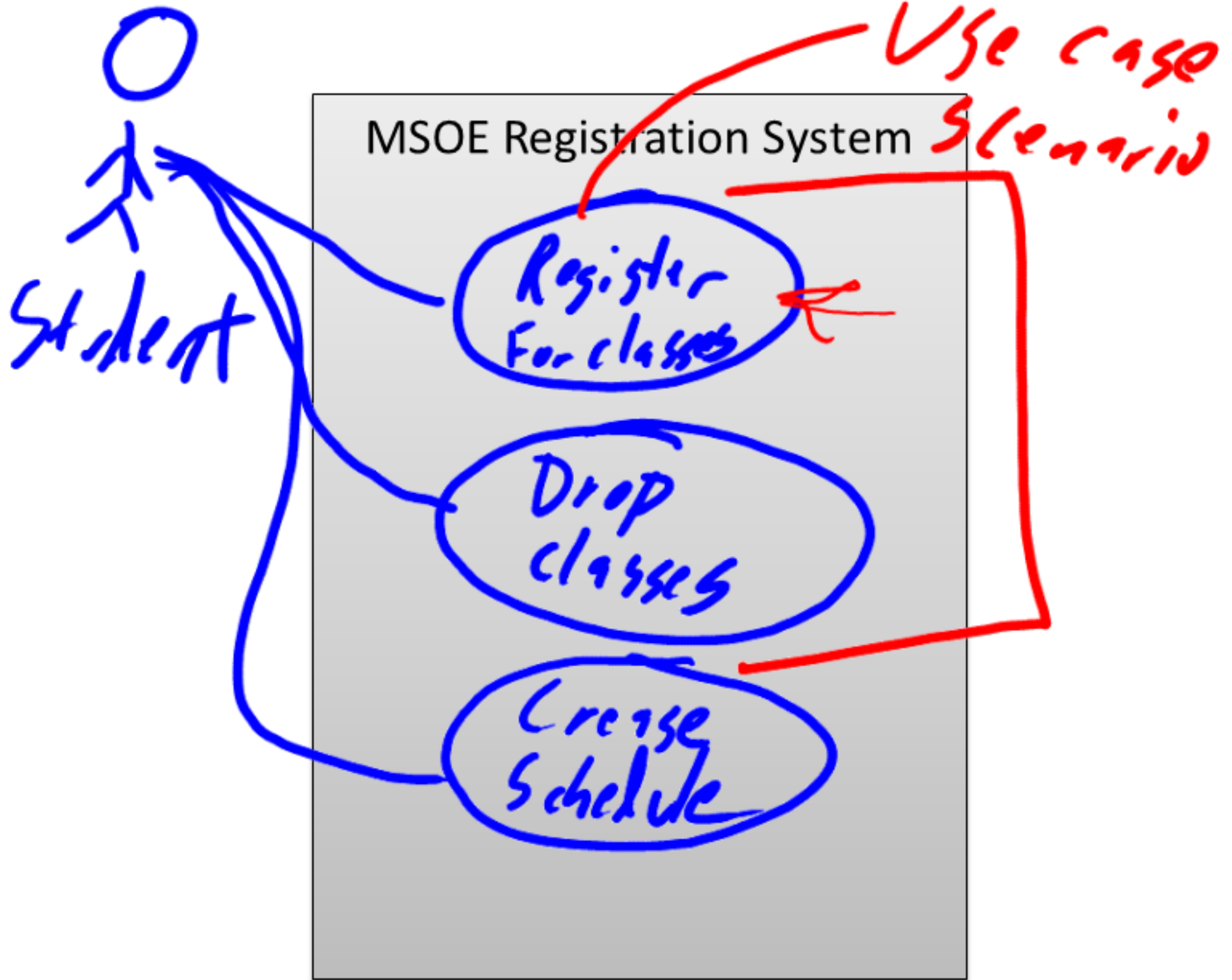
- What is a time trigger business event?

A business event

which is triggered  
by the arrival of a  
pre determined time

(TTBE)

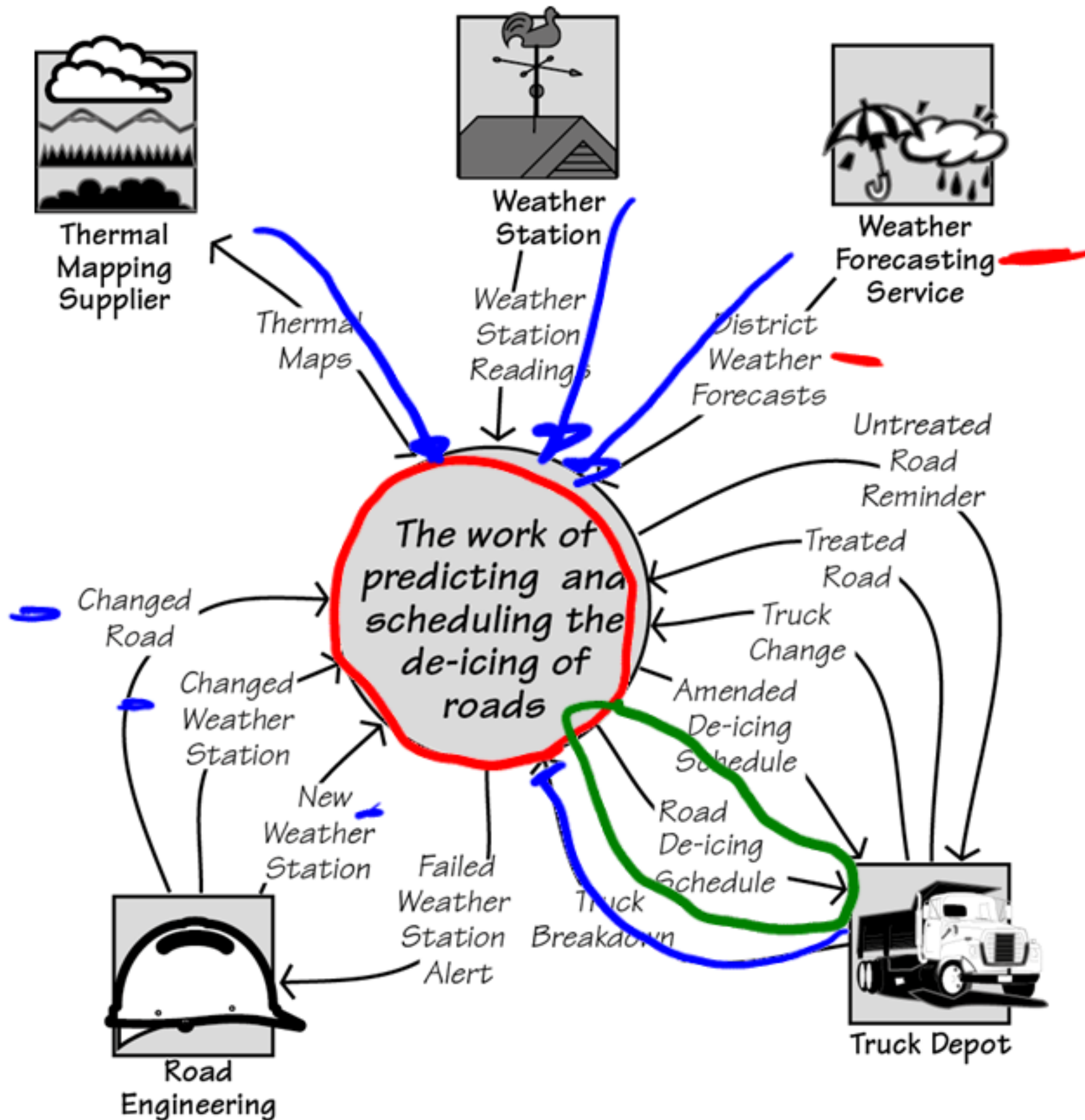
# TTBE Example



# How to identify business events

- Context diagram
  - Inputs to the system provide stimuli to the software
  - Outputs are typically caused by a time triggered event

# The Ice Breaker System



# Business Events in the Ice Breaker System

Automated

Event Name	Input and Output
Weather station transmits a reading	Weather station readings (in)
Weather bureau forecasts weather	District weather forecasts (in)
Road Engineers advise that there are changed roads	Changed road (in)
Road engineering installs a new weather station	New Weather Station (in)
Road engineering changes the weather station	Changed weather station (in)
Time to test weather stations	Failed Weather station alert (in)
Truck depot changes a truck	Truck change (in)
Time to detect icy roads	Road de-icing schedule (out)
Truck treats road	Treated Road (in)
Truck depot reports a problem with a truck	Truck Breakdown (in) Amended De-icing schedule (out)
Time to monitor road de-icing	Untreated road reminder (out)

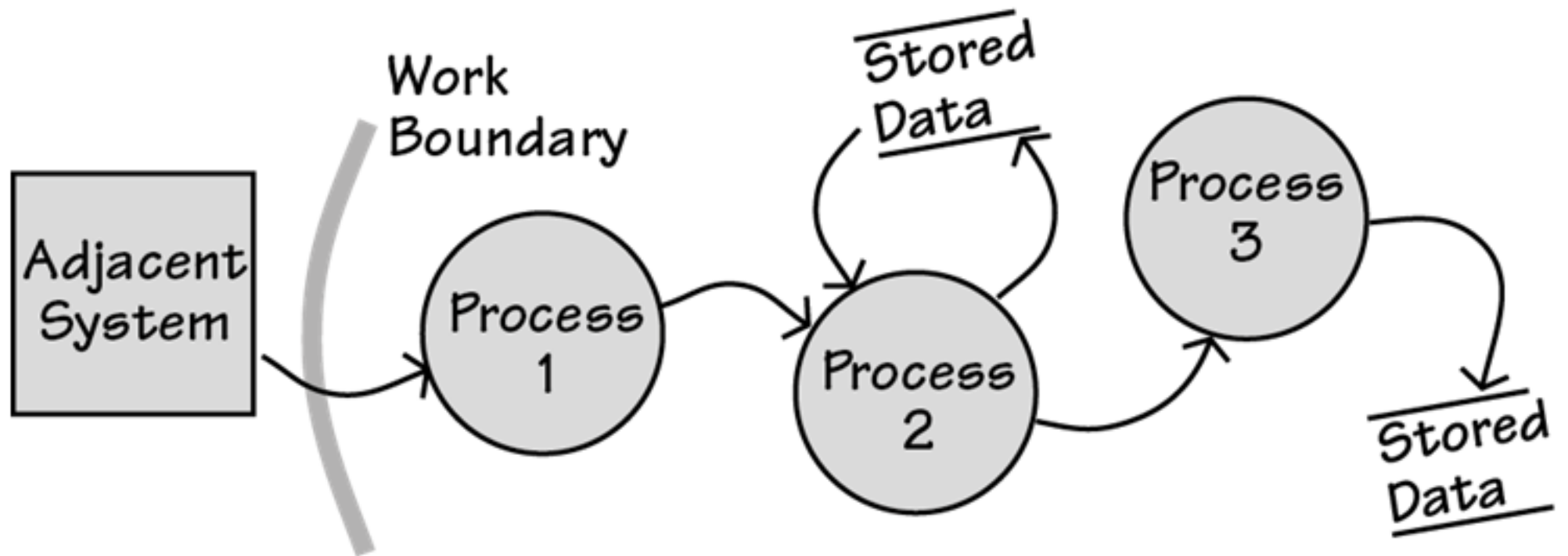
System

Time Triggered  
Time Triggered

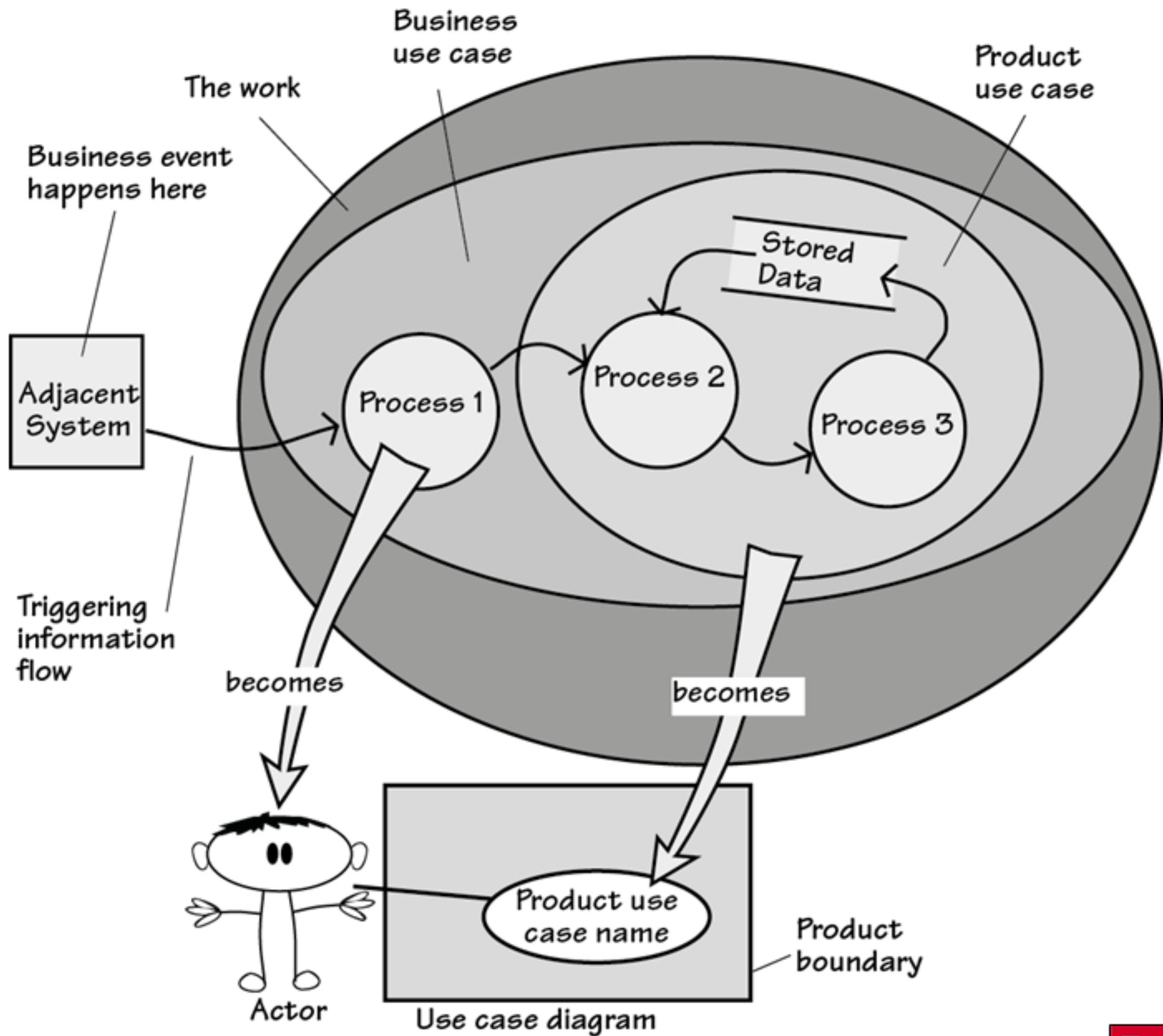




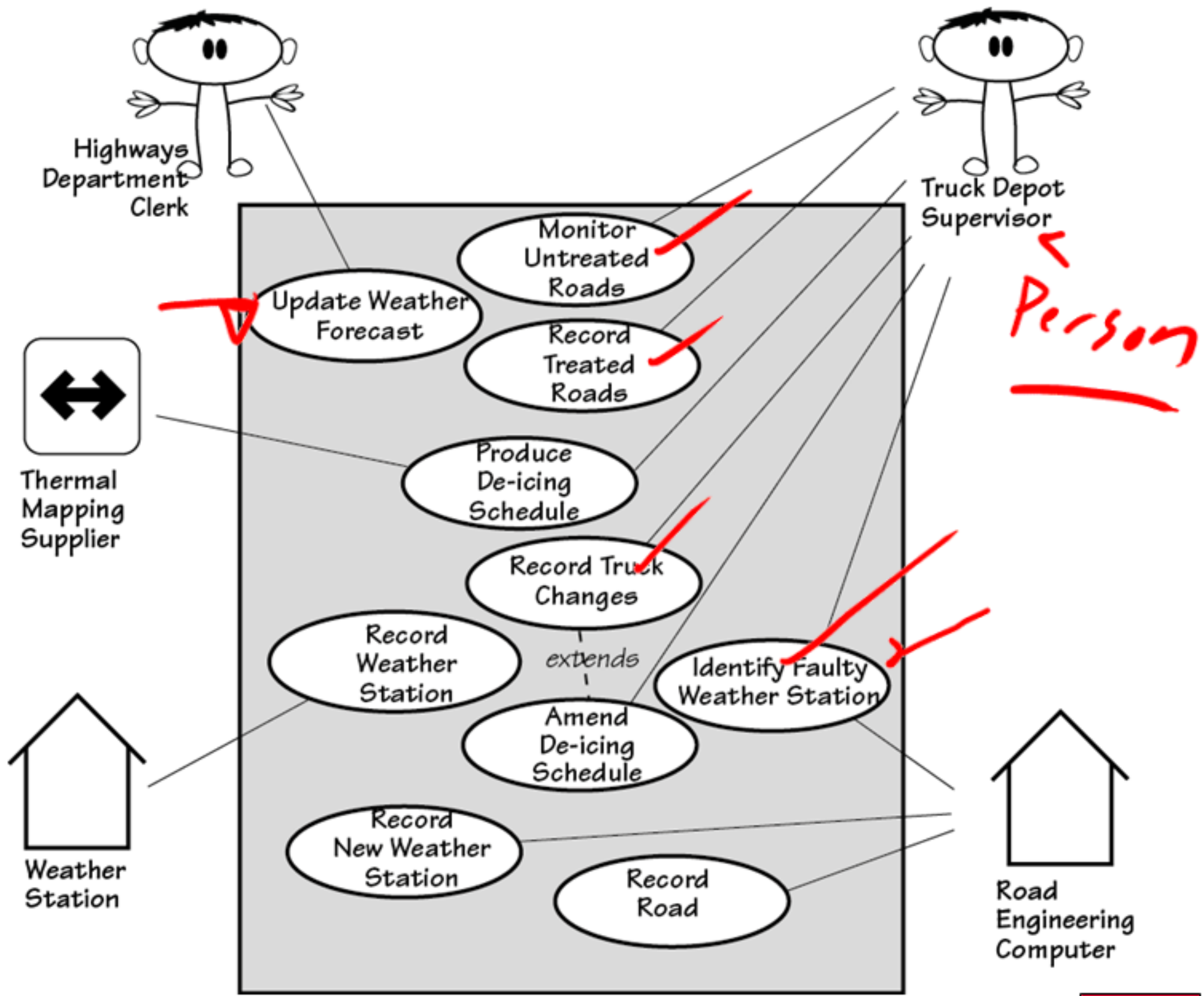
# Data Flows



# Business Event to use case relationship



# Use case diagram for the project



With your partner

- Draw a context model for the Scheduler system.

# With your partner

- List the inputs and outputs for the scheduler system, as well as the inputs and outputs.