



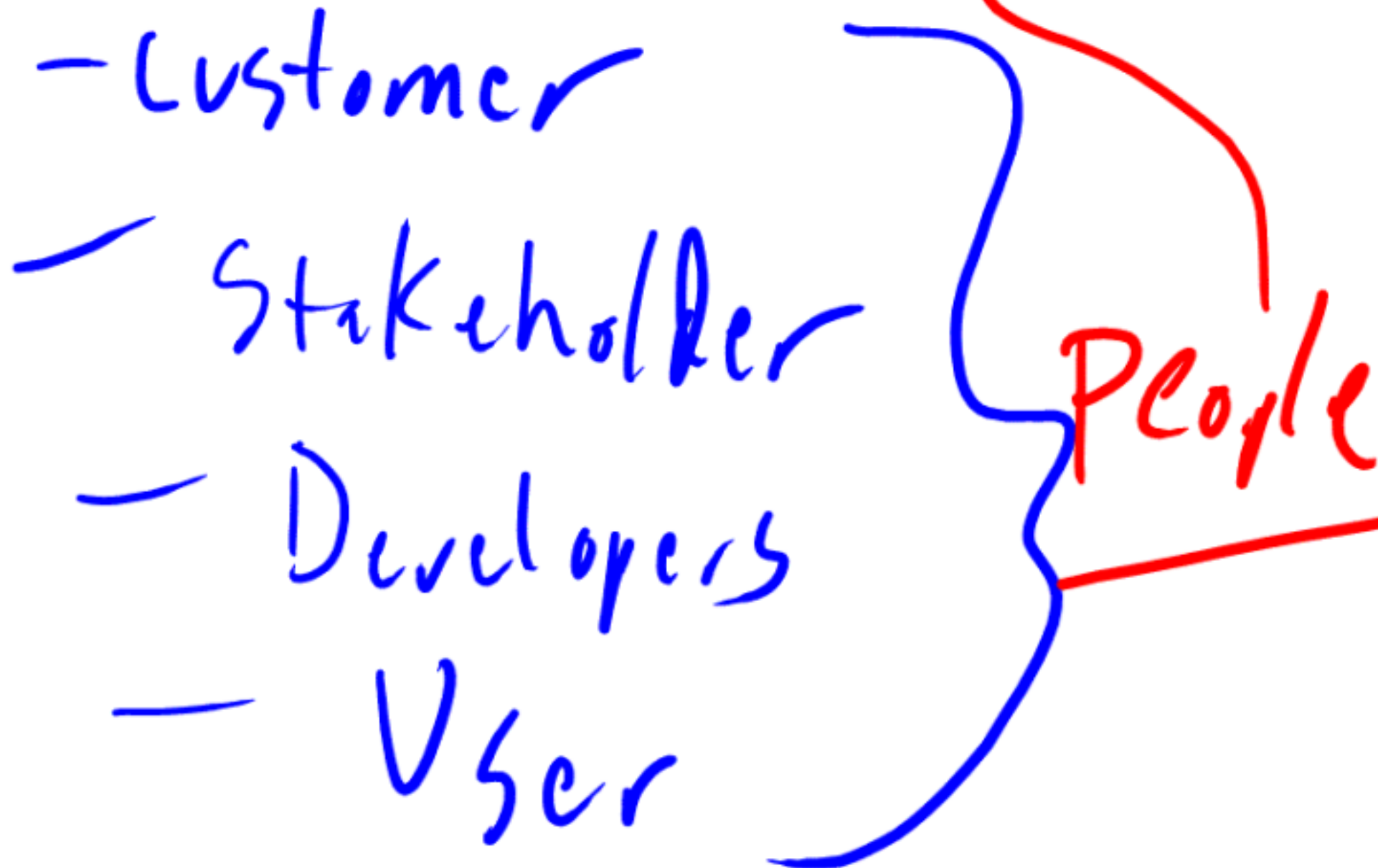
Trawling for Requirements

Lecture Objectives:

- 1) Explain what is meant by the concept of trawling for requirements.
- 2) Explain where requirements come from
- 3) List the roles of the requirements analyst.
- 4) Define unconscious requirements
- 5) Define undreamed of requirements
- 6) Explain the concept of the brown cow model

Chapter 5 Review Question

- Requirements come from _____.



Chapter 5

- The requirements analyst is a _____.

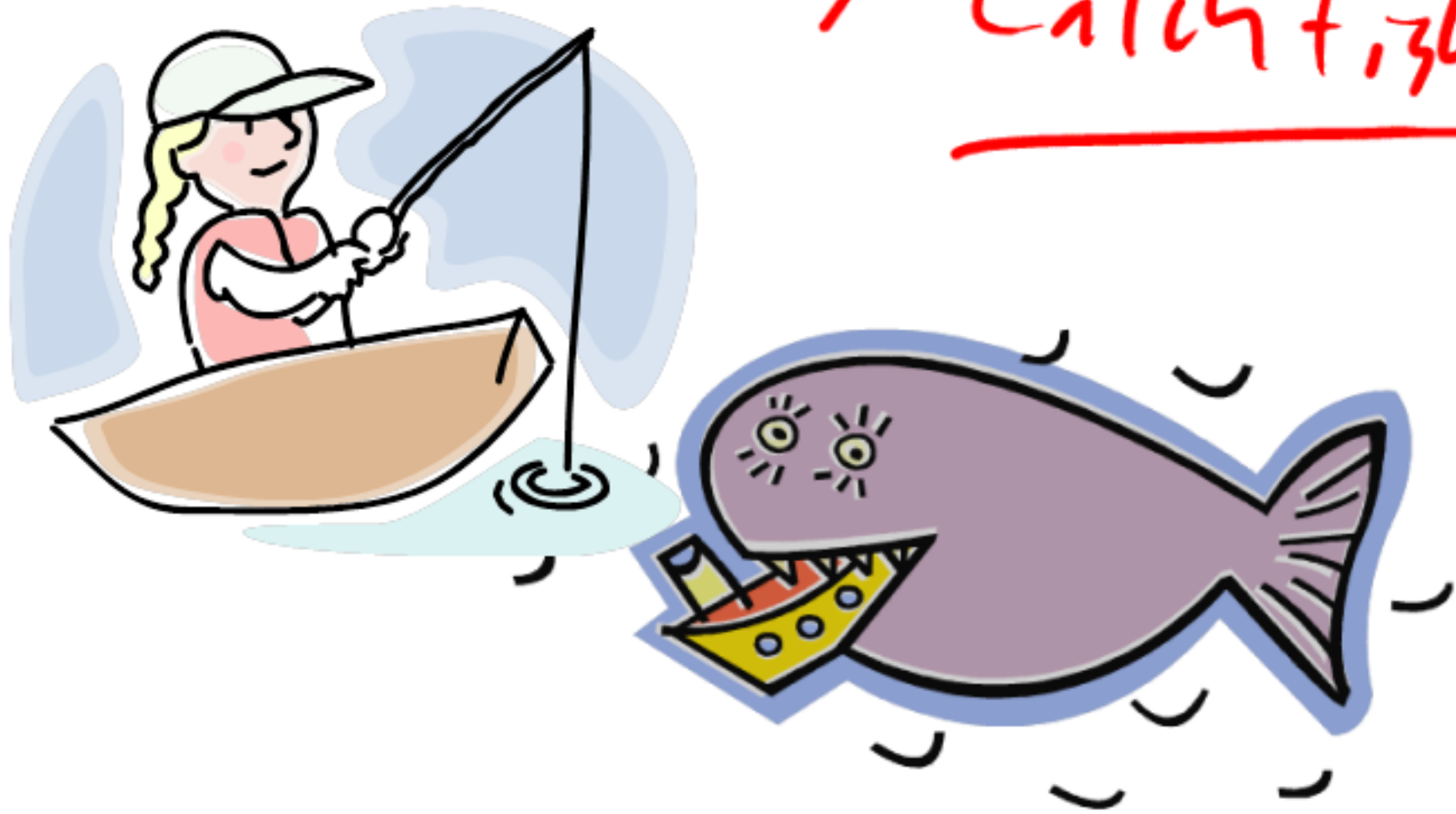
person

⇒ Analyze requirements

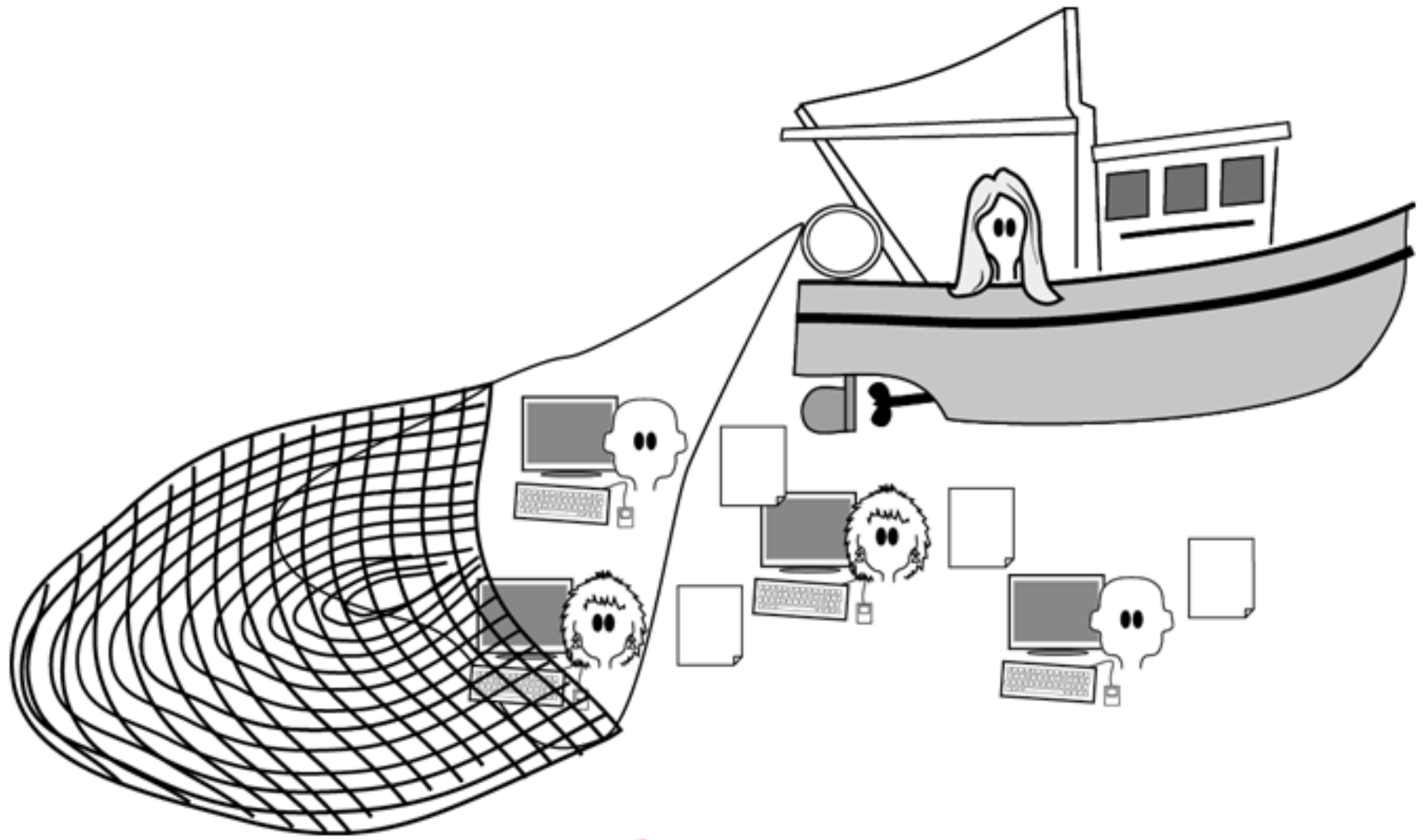
Gone fishing

- You charter a fishing boat. How does the skipper know where to take you to get fish?

⇒ Catch fish



Trawling for requirements



Trawling: Sifting through as much of the business organization as you can in order to find ways to improve it.

Of rabbits and horses



Rabbit ← "Agile"

- Must understand the current state
- Likely to be done many times in small cycles
- Minimal documentation from iterative approach

⇒ Stakeholder is always present.

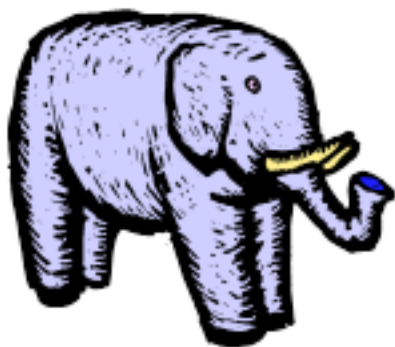


• Horse

- Uses more advanced methods
- Often dealing with critical infrastructure, so knowledge is very important

• Elephant

- Large number of stakeholders require extensive trawling



Really important to do this step if the project involves any outsourcing

What must a requirements analyst do

- Observe and learn the work, and understand it from the point of view of the user.
- Interpret the work
- Invent better ways to do the work - *Better*
- Record the results in the form of a stakeholder-understandable requirements specification and analysis model.



- What school supply do you use so often you almost overlook it?

School supplies

Pen

Bookbag

Pencil

Paper

Eraser

Computer

Network

Storage

Backup

What are unconscious requirements?

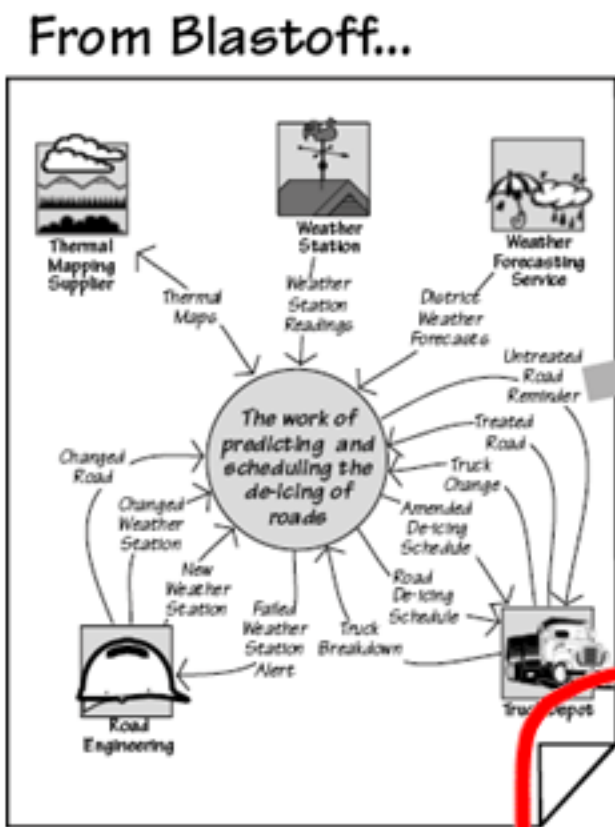
Requirements so engrained in the stakeholder's head they forget about them.

Braking

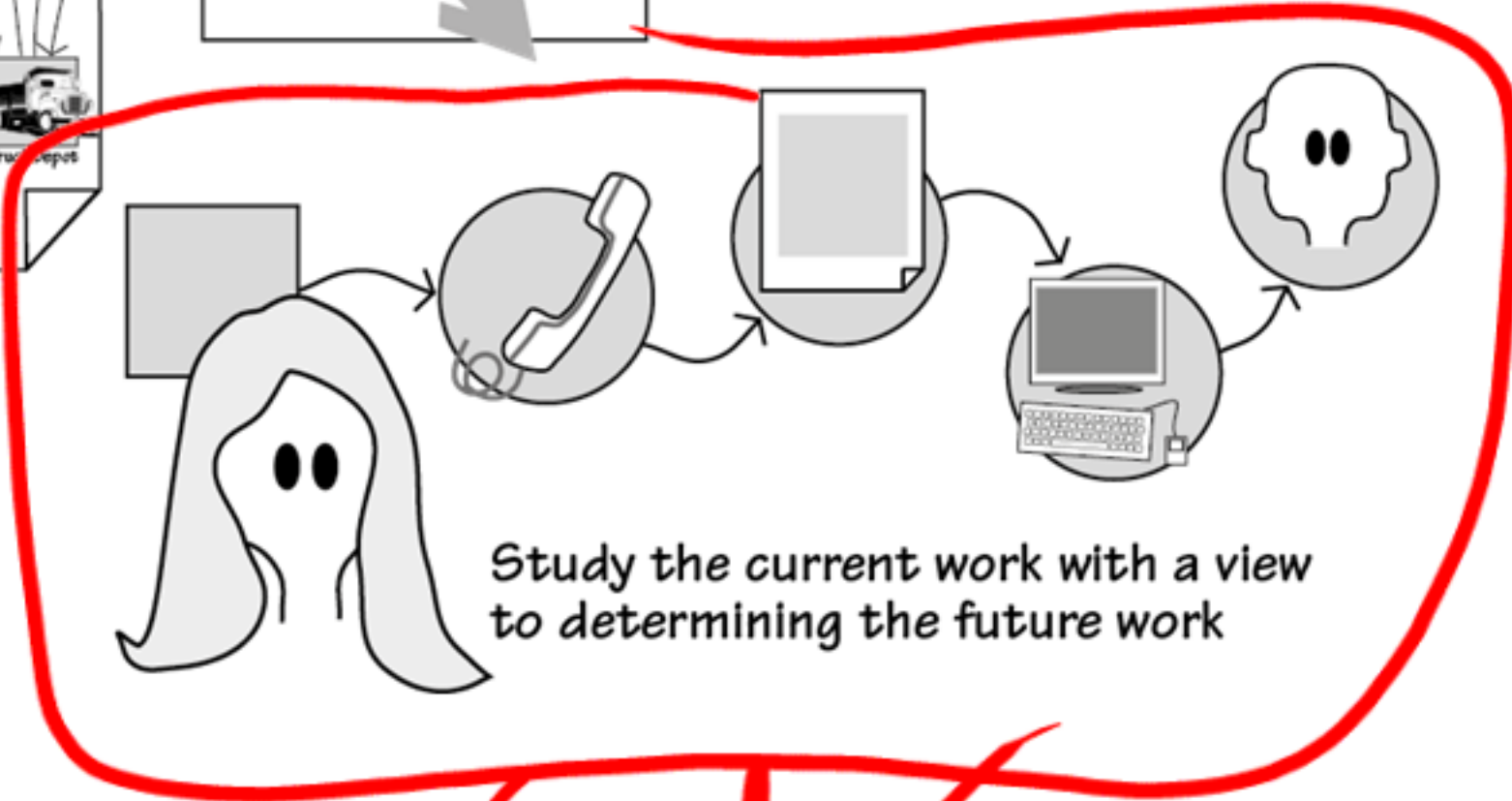
⇒ Car slows down

⇒ Brake lights turn on.

Process Flows



Context diagram showing scope of the work



Study

9
Showing the problem

Partner Example

- I want you to describe to the person next to you the following
 - How do you select elective courses for your study?

Ones we care about.

All of them...

Transfer in w/ a bunch.

Look @ who is teaching.

Look @ when they are offered.

SE3821 Software Requirements and
Specification



Look @ topic

Look @ skills of prof.

How Now Brown Cow?



What are you trying to do when you build a product?

Goal is not to simply
duplicate what currently
exists.

⇒ Want to make it
better

⇒ Want to make it
more efficient.

⇒ Want new features.

⇒ Want it prettier.

~1965 →



Disney Epcot

~1960
house



Celebration City,
Florida

What
How
The four quadrants

Selecting the course I need to graduate

Courses would automatically select for me based on interest profile.

Registration to be done annually.

Web online foring class

Survey @ admissions time

Now ↑

↑ Future



The Brown Cow Model

