# CS4178 : Software Requirements and Modelling

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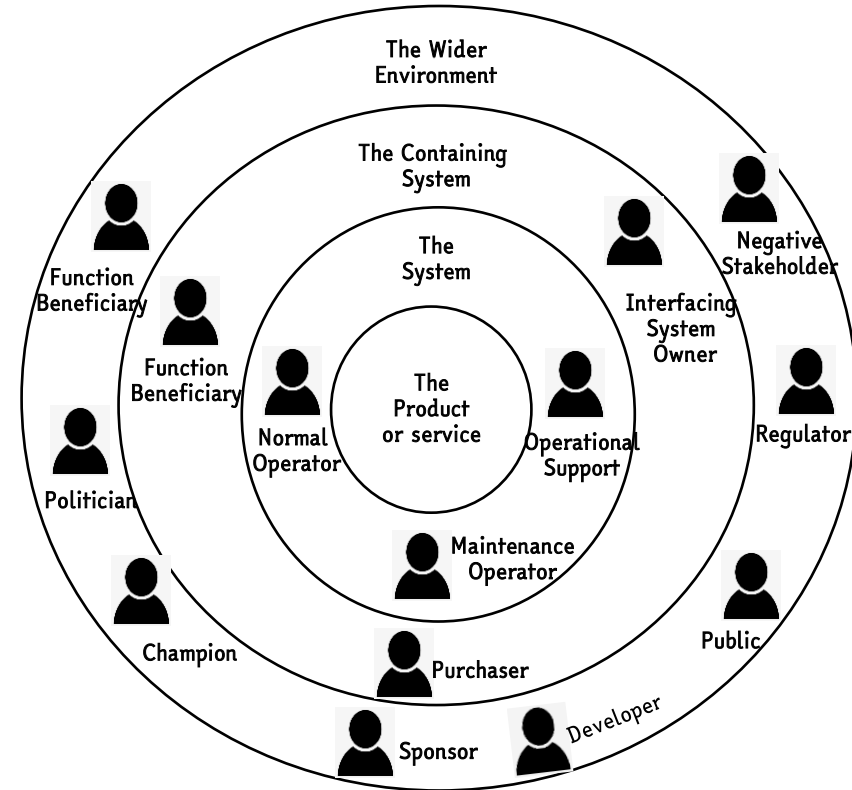
Week 4 LAB

# To-Do for the Lab Slot Today

## List

- Brush Up
    - Previous Week Lecture PDF : Stakeholders
    - This Week Lecture PDF : Goals
- Go in Detail :
    - What is Context?
    - What are Scenarios?
- Lab Week04 – To be graded
- Submission Criteria

# Previous Week Lecture PDF

## Stakeholders

- Onion Model
- Potential Stakeholders (Operational, Beneficiaries, Surrogates etc)
- Personas
- Stakeholder Analysis & Management
- Influence Matrix and the Stakeholder Influence on Product Development
- Validating List of Stakeholders

# This Week Lecture PDF

## Goals

- What are Goals?
- How to discover Goals? Goals –vs – Requirements
- Example based approach for understanding Goals
- Context for Discovering Goals
- Documenting Goals, Diagrams, Soft Goals etc
- Validating Goals

# Week 04 Lab

## Scenarios and Goals

- Previous Week Lab: Linux Brush Up
- Lab Week04 – To be graded
- Submission Criteria

# Exercise 1

## UL Shuttle Service

- Project: An autonomous (driverless) shuttle service linking the campus with Limerick city centre
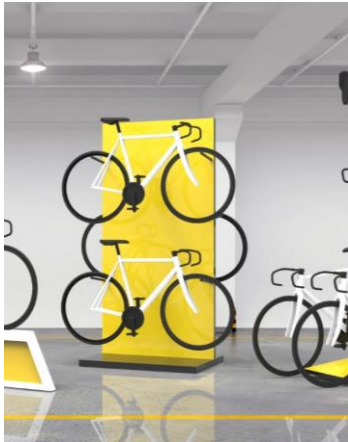
Identify the

1. Stakeholders?
2. Goals?

# Exercise 2 (a) & (b)

## Online Shop for Bicycles

- Amazon is starting a website connecting buyers with local biking equipment suppliers

# Exercise 2 (a)

## Online Shop for Bicycles

- Amazon is starting a website connecting buyers with local biking equipment suppliers

How might a customer use such website?

- ✓ Clear sequence of events
- ✓ Avoid multiple events in same row
- ✓ Ignore order deliveries

### Swimlane Chart

| Customer | Table Console | Kitchen Console | Cook | Train | Checkout |
|---|---|---|---|---|---|
| | Displays menu | | | | |
| Chooses food | | | | | |
| | Displays order | | | | |
| Confirms order | | | | | |
| | Sends order to kitchen and checkout | Displays order | | | |
| | | | Cooks order puts food on train | | |
| | | | | Carries food to customer | |
| Unloads food from train<br>Eats the food<br>Pays for order | | | | | |
| | | | | | Takes payment<br>Prints receipt |

# Exercise 2 (b)

## Online Shop for Bicycles

- Amazon is starting a website connecting buyers with local biking equipment suppliers

Write a Use Case based on your scenario using the provided template

- ✓ 6 – 10 steps for main scenario
- ✓ At least three exceptions in your scenario

Title
*Active verb phrase, e.g., 'Navigate to destination'. Should work when combined with "I want to ..."*

Primary Actor
*Actors/roles are underlined in the following.*

Goal in Context

Stakeholders and Interests

# Week 04 – Submission Details

## Due Dates and Evaluation Criteria

- Sulis Submission before Next Thursday 6th October 2022 18:00

- Extended Due Date (With Penalty each day) : Sunday 9th October 2022 19:00

- Combine all parts of your solution set into a single PDF and submit through the directory Sulis > Assignments.

- Please adhere to the following nomenclature of your submission:

  - CS4178_GROUPXX_ASSIGNMENT01

  - Here XX represents your group number (For this please check Sulis) – *Please make your own groups and send them to me by EOD Today (Thursday)*

  - All teammates in a group must make the same submission on Sulis (in order to be graded)

# Thank You