



# MIS 3504

## Digital Design and Innovation

Week 12

Photo: Installation by Jenny Holzer, US Pavillion, Venice Biennale 1990

# What did we learn

- 1: Understand the Need
- 2: Know the Sponsor and users
- 3: Analysis the Current State
- 4: Design for the Future State

# Project **Tools**

1: Stakeholder Analysis

2: Project Scope

3: Project Plans

# Elicit Requirements

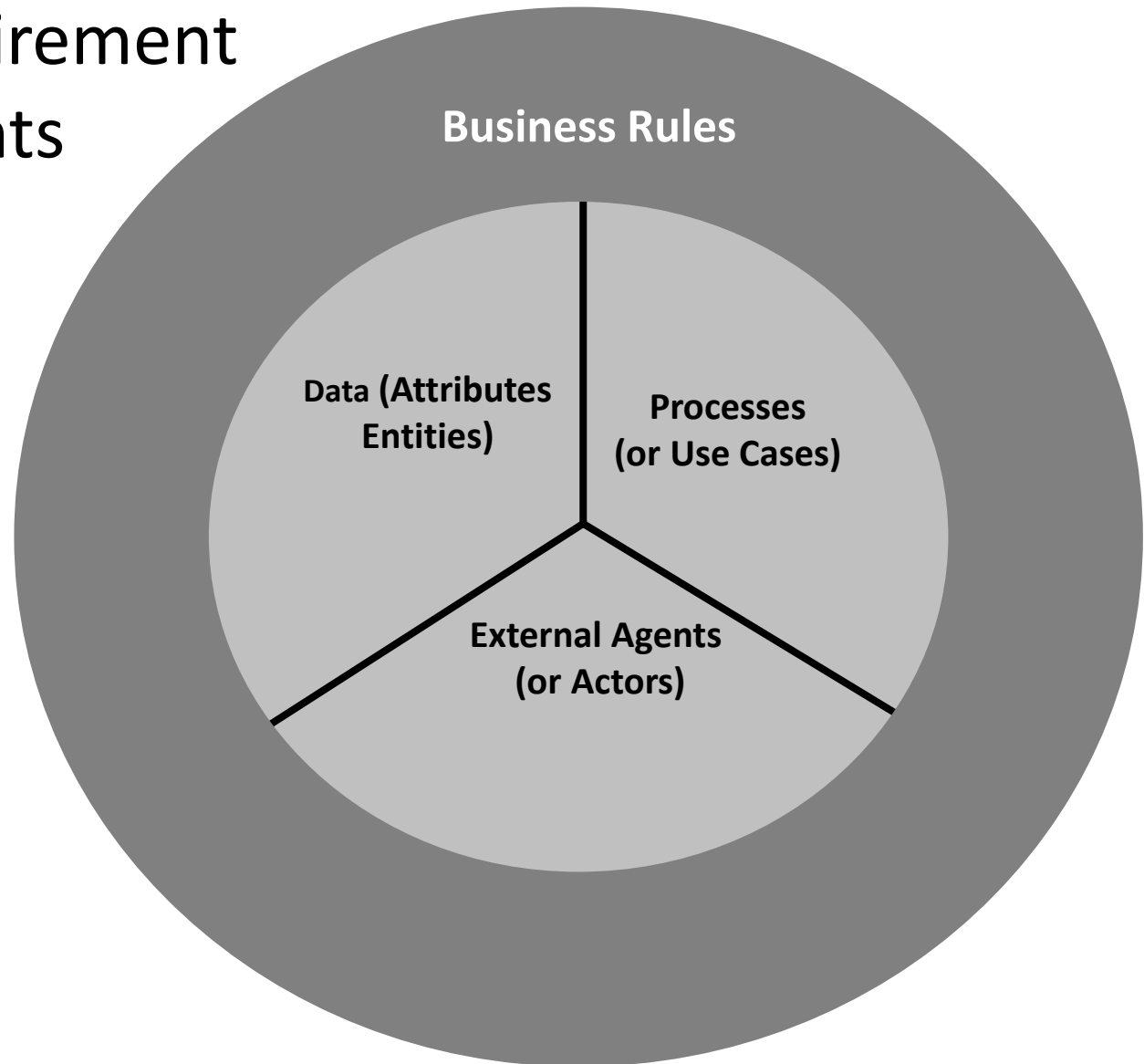
1: Actors

2: Data

3: Process

4: Business Rules

# Core Requirement Components



# The Analysis **Tools**

1: Process Flow Diagrams

2: Data Entities

3: Business Rule Decision Tree

# Design **PROCESS**

**1. Preparation:** becoming immersed in problems and issues that are interesting and arouse curiosity

**2. Incubation:** allowing ideas to turn around in your mind without thinking about them consciously

**3. Insight:** experiencing the moment when the problem makes sense, and you understand the fundamental issue

**4. Evaluation:** taking time to make sure that the insight provides sufficient value to outweigh the various costs involved in implementation

**5. Elaboration:** creating a plan to implement the solution and following through

## **PERSONAS are:**

- 1. Archetypal people involved with a product or service**
- 2. More than just a “USER” – specific people**
- 3. Devised from OBSERVING and TALKING to people**
- 4. A composite of many people**

**From SAFFER: Designing for Interaction**



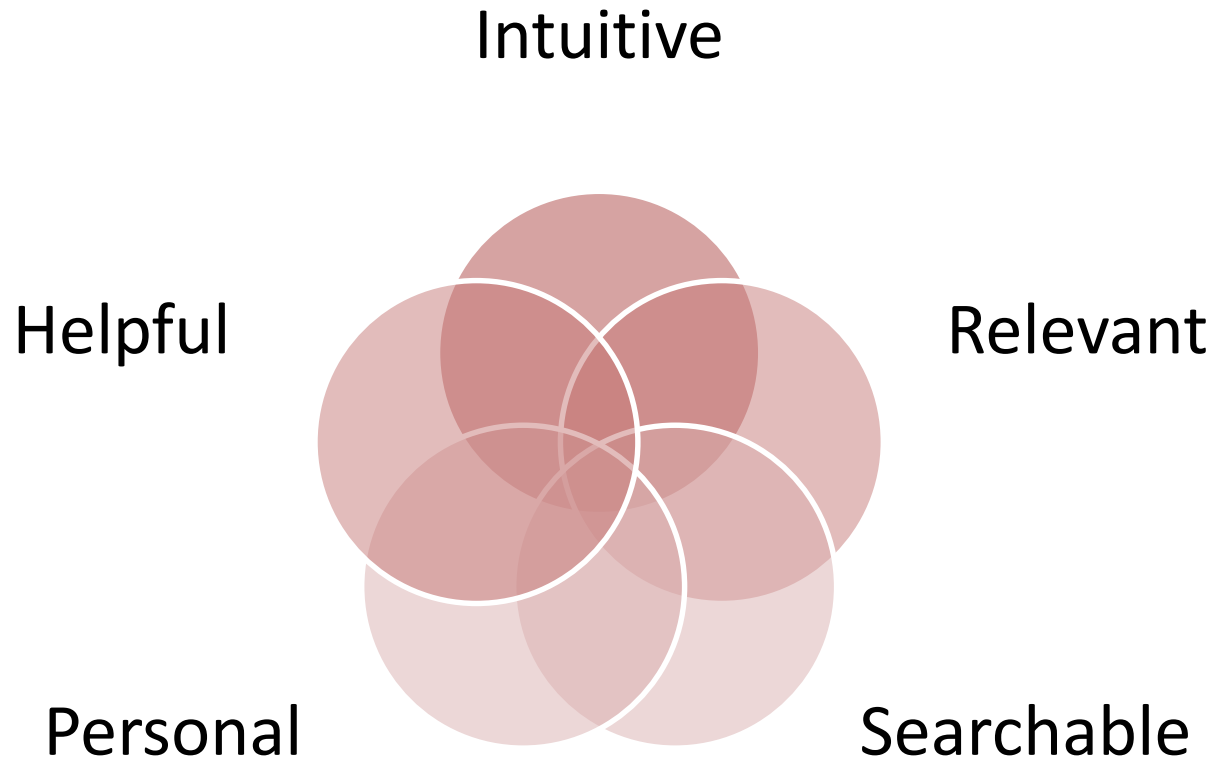
SCENARIOS are

STORIES

(your persona is the protagonist)

IMAGINE your design concepts IN USE

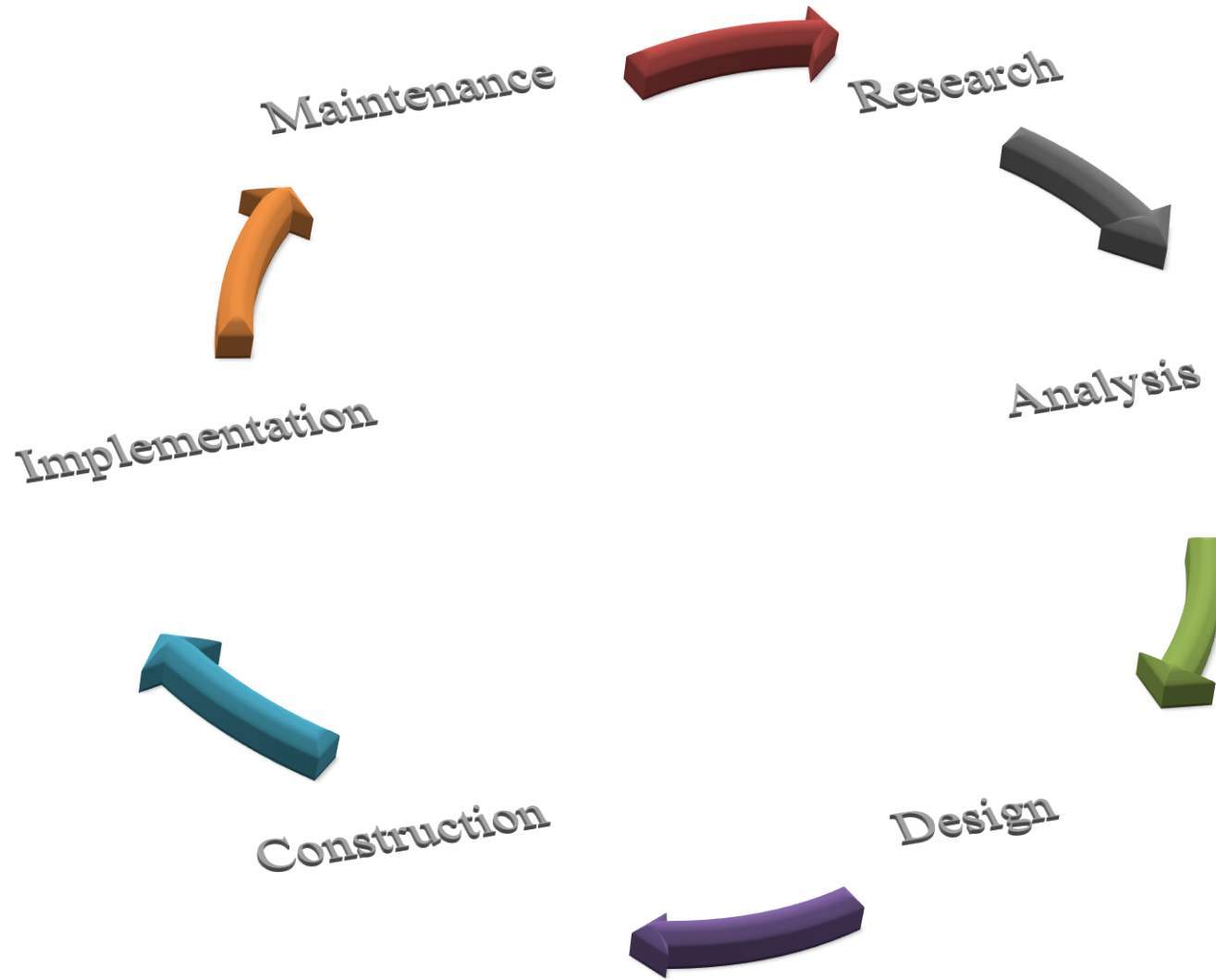
# Design principles



**How do you  
develop a  
Heuristic Review  
to use**



# Software Development **Life Cycle**



# What Makes a Good **Design**

- Do not clutter the screens
- Expand / Collapse information
- Use of icons and symbols
- Search
- Colors
- Navigation
- Controls

# Final Grade

- Exam 1 – 20%
- Exam 2 – 20%
- Exam 3 – 20%
- Individual Assignments – 20 %
  - Scope, Process flow, Data Entities, Business Rules
  - Class Participation
- Team Project – 20 %
  - Documentation:
    - Project Scope Document
    - As is Current State Analysis documentation
      - Process Flow Diagrams (without solution)
      - Data Diagrams (without solution)
      - Business Rules
    - To Be Future State Analysis documentation
      - Process Flow Diagrams (reflecting potential solution)
      - Data Diagrams (reflection potential solution)
    - Persona(s)
    - Scenarios
    - Prototype Screen shots and JustinMind (.vp) file
    - Presentation PPT file
  - Presentation
    - Class presentation
    - Demonstration of Prototype