BA Toolkit:
Top Models for Complete Requirements Analysis

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Enhanced Performance. Enduring Results.
Learnings

- Describe the essential models to use during requirements analysis
- Learn how models work together and complement each other
- Learn how to leverage modeling for more effective elicitation and complete requirements
Modeling requirements is extremely useful in elicitation.
Modeling is hard at first...
Could get confusing
...especially if we get distracted by using the one and only “correct” notation
Isn't modeling just a collection of text, diagrams and matrices?
Models...
Discussion: Barriers to Modeling

- Break into small groups
- Introduce yourselves
- Discuss 2–3 barriers
  Common themes?
Question

With all these barriers, why should we model requirements?!
Iterative Elicitation and Modeling

- Confirm
- Ask
- Synthesize
- Listen
- Model
Um...
Model Categories
Discussion: Which are your favorite models?
Where do I even begin?
My goal is to review these models and show--
• How they relate to each other
• How to get started by asking 3–5 questions
Process Models

- Process models depict how to get the job done
- Models include:
  - SIPOCs
  - Process Maps/Flowcharts
  - Workflow diagrams
  - Activity diagrams
  - Data flow diagrams
  - State diagrams

What is a process?
Simon says...
Data Models

• Data models show the data and the rules of the business – how they are used

• Models include:
  ° Entity/relationship diagrams
  ° Class diagrams
  ° Data dictionaries

• Logical models – not physical data models or physical database design
Interaction Models

- Interaction models show how actors interact with a system
  - Use case diagrams/narratives
  - Prototypes (Interface)
- How process interacts with data
  - State diagrams
  - CRUD matrix
Everybody look at your cell phone or smart phone.
Interface Models

- Interface models graphically depict how people interact with
- Models include:
  - Prototypes, mockups/wireframes
Scope Models

- Scope models depict the boundaries of the solution to be implemented
- Models include:
  - Goals, objectives, lists, rules
  - User stories/features list
  - Use case diagrams
  - Context diagrams
  - Functional decomposition diagram (expanded)
Summary
Remember
Use Models to Elicit
Translate models into business language
Choose models that make sense
Col-lab-orate
Watermark Learning at a Glance

- Woman-owned business established in 1992, offering training and certification products/services in:
  - Business Analysis
  - Project Management
  - Agile/Scrum
  - Business Process Management
  - Business Relationship Management
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