MS3506 Digital Design & Innovation Studio

Exam # 03: Review Session

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What's on the Final? Readings -

 Moggridge on the Design Process Brainstorming Doesn't Work: Try This Technique Instead "Prototypes" Jogger, 77-81 "use Cases" Jogger, 150-175 Usibility.gov Personas Data Modeling 101 What Makes a Good Business Rule

What's on the Final? Prototyping -

Prototyping – look at a narrative, scope document, etc...
 compare it against a prototype – determine how the BA
 did, what is missing, what's too much, what could be
 added...



What is DESIGN PROCESS?

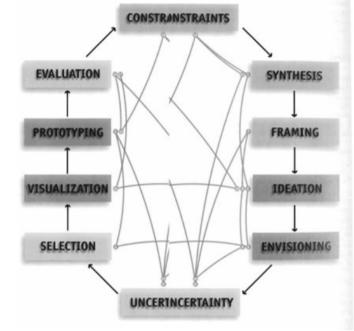
- 1. Define the problem
- 2. Create & consider many options
- 3. Refine selected options
- 4. Repeat (optional)
- 5. Pick the winner, execute



Moggridge – 10 Steps in the Design Process

What are they?

•What's the sequence?



Bill Moggridge / Designing Interactions / Process

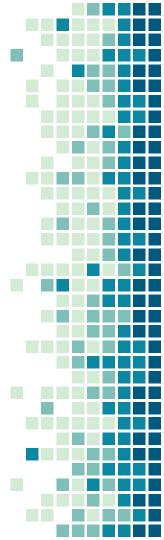
Business Rules are ... NOT ABOUT NAVIGATION

-Keep Business Rules as Simple as Possible



Gas Deposit Business Rules

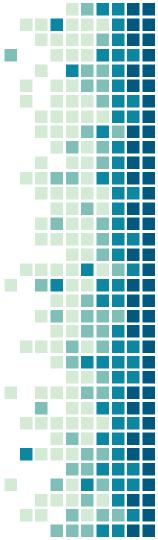
- A customer with a good credit score is not charged a deposit.
- A customer wanting gas service pays a \$150 "turn on" fee.
- A customer with a balance must pay that balance, in full, before "turn on".
- A customer with new construction and 3 gas appliances has all fees waived.
- A customer with a poor connect/disconnect history must be charged a deposit of \$400.
- A customer with poor credit score must be charged a \$200 deposit.



For Tapp, you...

Document all of the BUSINESS RULES you will need for your project (and show how your prototype implements them)

- Word document
- Business Rule identifier
- Ordered in an appropriate way



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 SAFER: Designing for Interaction

What are some best practices for developing personas?

What's the difference between a horizontal & a vertical prototype?

- -Horizontal functional
- Vertical technical

What's the difference between an evolutionary & a Throwaway prototype?

Why use a prototype?

What is the purpose of a use case? What is included in a use case?

Interactions between a user and the system

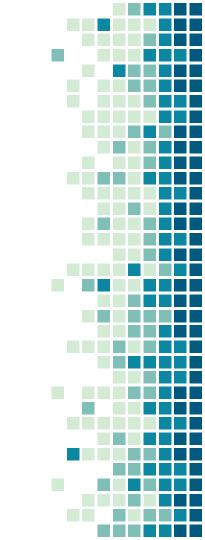
- Document the detailed steps for normal system usage
 - ^DErrors & Variations too

Shorthand for related scenarios

- Requirements Documentation
- Basis for developing test cases

Data

How are data models used?Why do we normalize?



Data Modeling 101

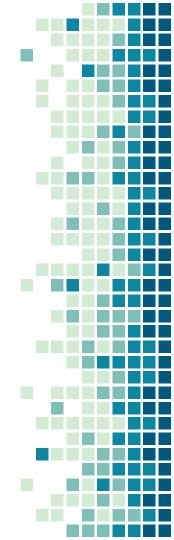
- 1. A normal entity depicts one concept
- 2. Attributes should be cohesive, describing everything you need to know about the entity.
- 3. Get the right level of detail, it can significant impact your prototype
- 4. Use naming conventions for your entities & attributes. Be consistent.
- 5. The relationships between entities are conceptually identical to the relationships between objects.
- 6. Cardinality asks "how many" whereas optionality asks "whether you must have something."

Use cases are a description of how an actor accomplishes a goal using your solution.

Adapted from Memory Jogger (p150)

So, what's in a use case?

- High-level identifying data
- A summary of what the use case achieves
- Detailed steps the actor will need to take
- Exception steps that may be needed as a result of errors
- Variations that describe alternative paths through the use case



Use Case Template

1 Feature Name (Example: ATM Transaction)

1.1 Feature Process Flow / Use Case Model

1.2 Use Case(s)

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Use Case ID:	arrows surveys dentifier for the Use Case, p.g. VC-12.3
	Provinging for the Line Gauge party of active party growing and the first of the line Car
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Date Created:	Last Revision Date:
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Variations: Actornative Floor 1 - Nor In References	minditalis pala inclus as actorization. For adult adientative fine reference

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MIS3506 Keys to your Exam Success

- Reread your texts and sample cases
- Study individually and with your peers
- Review your class notes
- <u>Don't rush</u> through the exam
- Carefully read the exam case studies
- Trust your instincts



STUDENT FEEDBACK FORMS

Please be certain to fill out your ESFF's

Your feedback is very important!

