MS3506 Digital Design & Innovation Studio

Exam # 03: Review Session

Amy Lavin/Steve Sclarow



# 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?

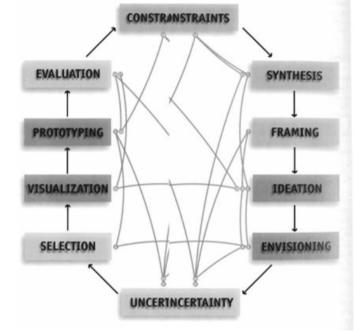
- 1. Define the problem
- 2. Create & consider many options
- 3. Refine selected options
- 4. Repeat (optional)
- 5. Pick the winner, execute



## Moggridge – 10 Steps in the Design Process

What are they?

•What's the sequence?



Bill Moggridge / Designing Interactions / Process

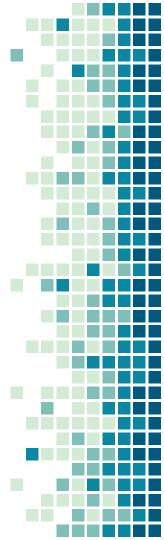
# Business Rules are ... NOT ABOUT NAVIGATION

-Keep Business Rules as Simple as Possible



# **Gas Deposit Business Rules**

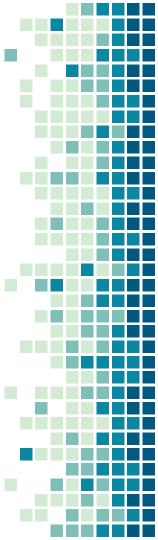
- A customer with a good credit score is not charged a deposit.
- A customer wanting gas service pays a \$150 "turn on" fee.
- A customer with a balance must pay that balance, in full, before "turn on".
- A customer with new construction and 3 gas appliances has all fees waived.
- A customer with a poor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

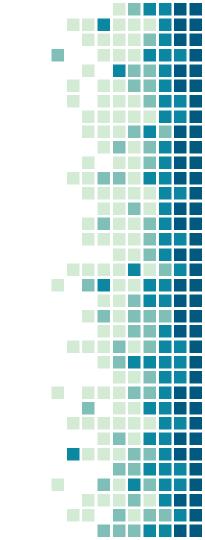
- Document the detailed steps for normal system usage
  - <sup>D</sup>Errors & Variations too

Shorthand for related scenarios

- Requirements Documentation
- Basis for developing test cases

### Data

How are data models used?Why do we normalize?



# Data Modeling 101

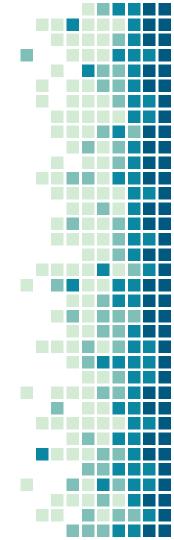
- 1. A normal entity depicts one concept
- 2. Attributes should be cohesive, describing everything you need to know about the entity.
- 3. Get the right level of detail, it can significant impact your prototype
- 4. Use naming conventions for your entities & attributes. Be consistent.
- 5. The relationships 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)

200

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
Created By:	Last Updated By:
Date Created:	Last Revision Date:
Actors	(A) approximate provided on their entry exercise in the approximate providence of the providence of
Description	Provide a load dataragelia at the same for and collising of the one case
Tripper	Planetty, the assort that initiality the pair adult. This would far an anomal material around an appendix and that increases the other time to larger, or 2 min for the invest data is the unitarial lines.)
Preconditions	Lines any according that much have place, or any constraint which the rows inverse the use case case to be barred. <i>Number sum per condition</i> , <i>φ</i> <sub>0</sub> 1. Constraint has define depined according with ATM privileges 2. Constraint has an according of ATM set().
Restconditions	Determine the spins of the appendix of the intervalues of the data sets a series of the discust entropy berts mainting approximates parts and which ends of the appendix parts in the approximate parts and approximate parts and the approximate parts and the appendix parts and the appendix parts and the approximate parts and the appendix par
Normal Flow:	Proceed a sensitive encounter of the same account of a point requires a sensitive prior term products with inference term accounter requires a construct. If the data requires with inference term accounter inference accounter accounter term accounter Construct and the sensitive accounter Construction accounter accounter to enter frequency accounter Construction accounter accounter frequency accounter Construction accounter accounter frequency accounter Construction accounter accounter frequency accounter Construction accounter accounter accounter Construction accounter accounter accounter Construction accounter accounte
Variations: Actornative Floor 1 - Nor In References	minditalis pala inclus as actorization. For adult adientative fine reference

# 4a. Its step 4 of the normal flow, if the clastener is test in this bank setwards 1. Systemin wait premate tundeners to accept network fee 2. Continues accepts 3. Use Const resume on step 5 40. Its step 4 of the normal flow, if the clasteners fee 3. Use Const resume on step 5 40. Its step 4 of the normal flow, if the clasteners fee 3. Determined the framework for accepts 40. Its step 4 of the normal flow, if the clasteners fee 3. Contained defines 40. Its step 4 of the normal flow, if the clasteners fee 40. Determined for the framework for accepts networks fee 40. Determined the framework for accepts networks fee 40. Determined the instrumed on a step 5 of normal flow 40. Determined the instrumed on a step 5 of normal flow 40. Determined the any antibulation of array conditionate that could allow any classes 40. Determined the instrumed on the p 5 of normal flow 40. Determined the any antibulation of array conditionate that could allow any classes 40. Determined the instrumed on the p 5 of normal flow 40. Determined the any antibulation of array conditionate that could allow any classes 40. Determined the instrumed from the statements flow. 40. Determined the instrumed form the statement of the state conditionate 40. Determined the instrumed flow. 40. Determined the instrumed instrume classes of the instrumed instreset. 40. Determined the instrumed instrumed instrumed the inst

Whitewe Cash prevaelling-



.....

# 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!

