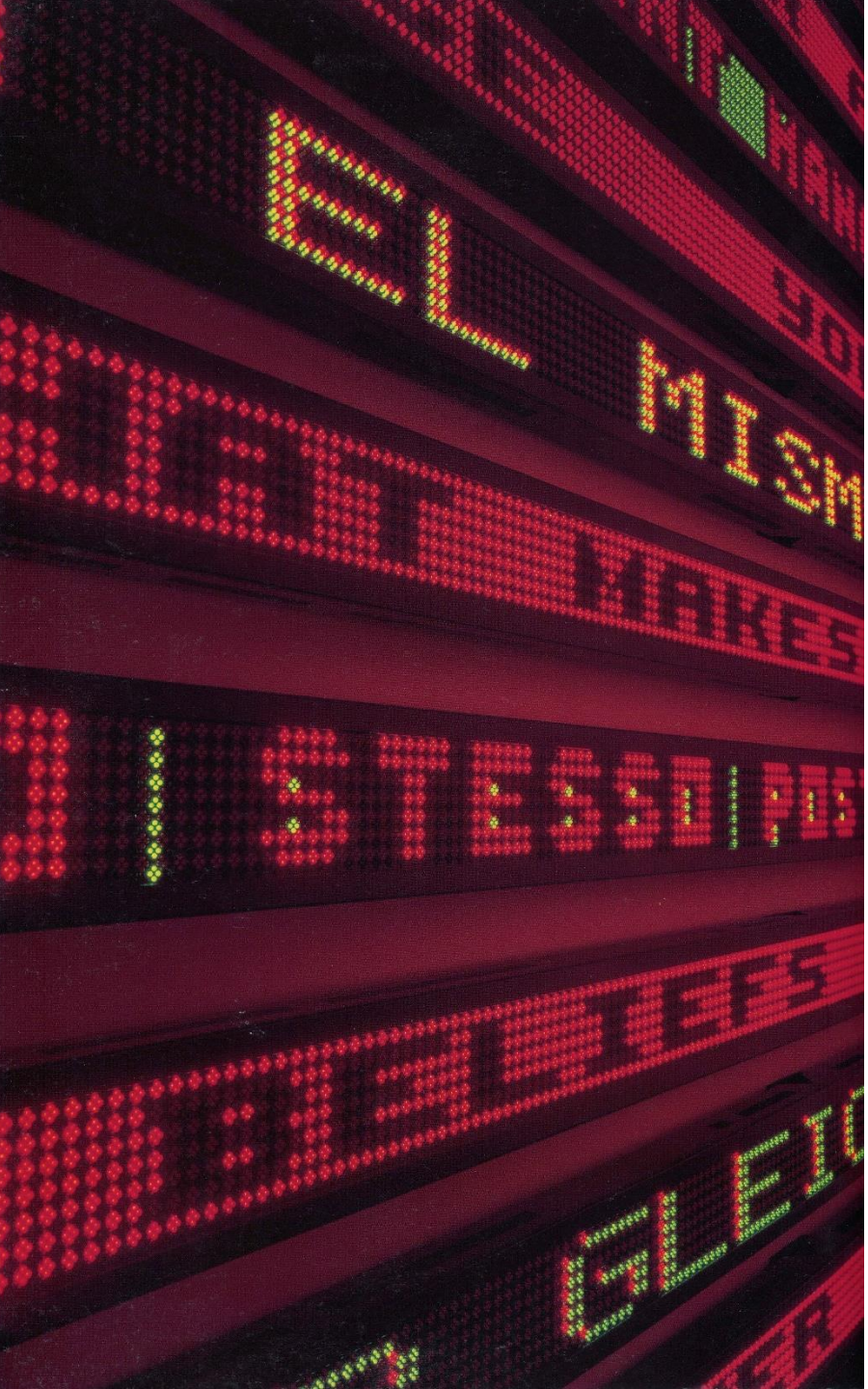


MIS 3506
Digital Design and Innovation Studio

11: CREATING AND DOCUMENTING YOUR DATA NEEDS

Amy Lavin

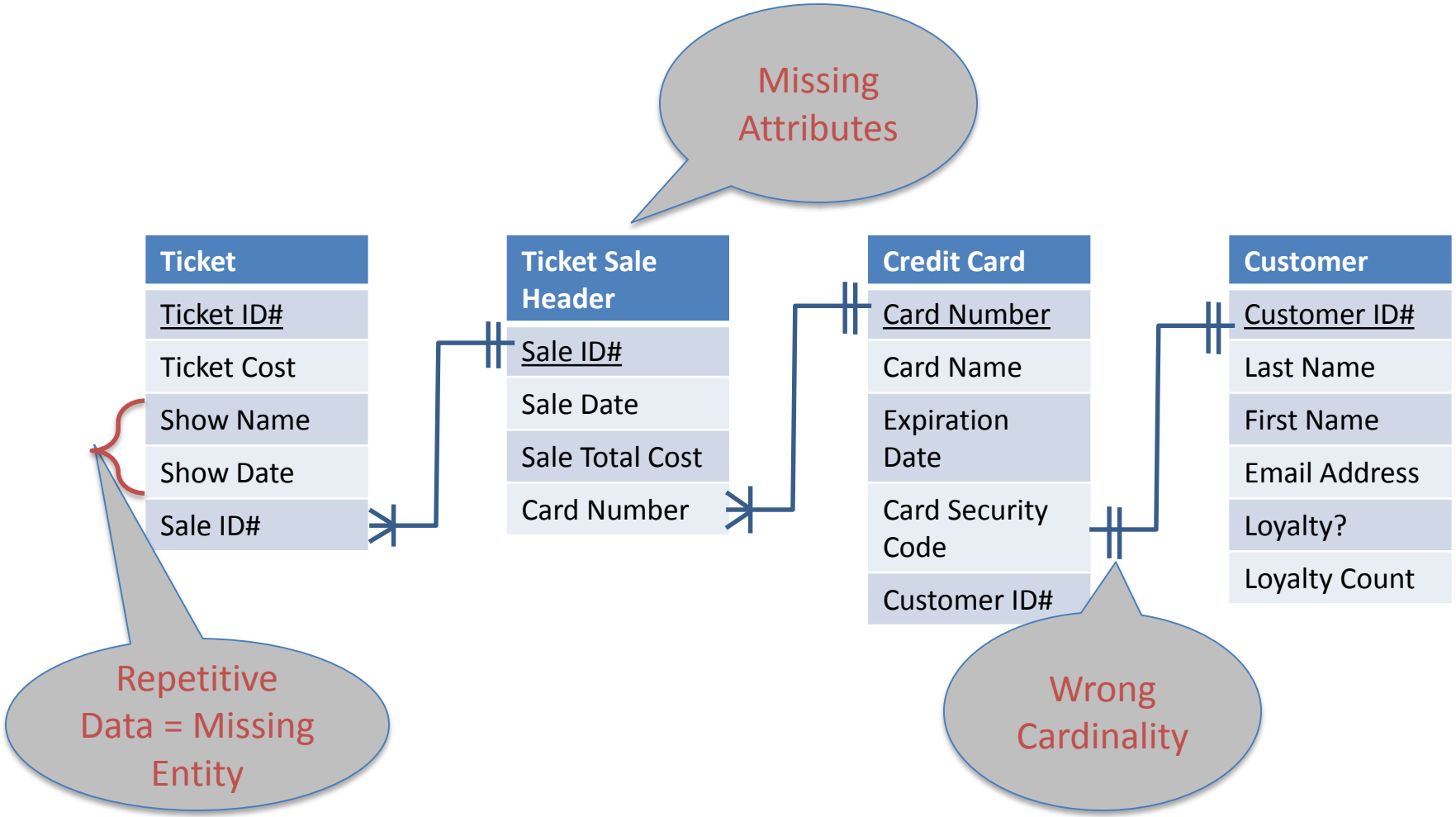
Photo: Installation by Jenny Holzer, US Pavillion, Venice Biennale 1990

Data = ENTITIES
ATTRIBUTES
RELATIONSHIPS

Understanding WHAT information the client will need the system to have to do their work

Schema for Night Owl Ticket Purchases

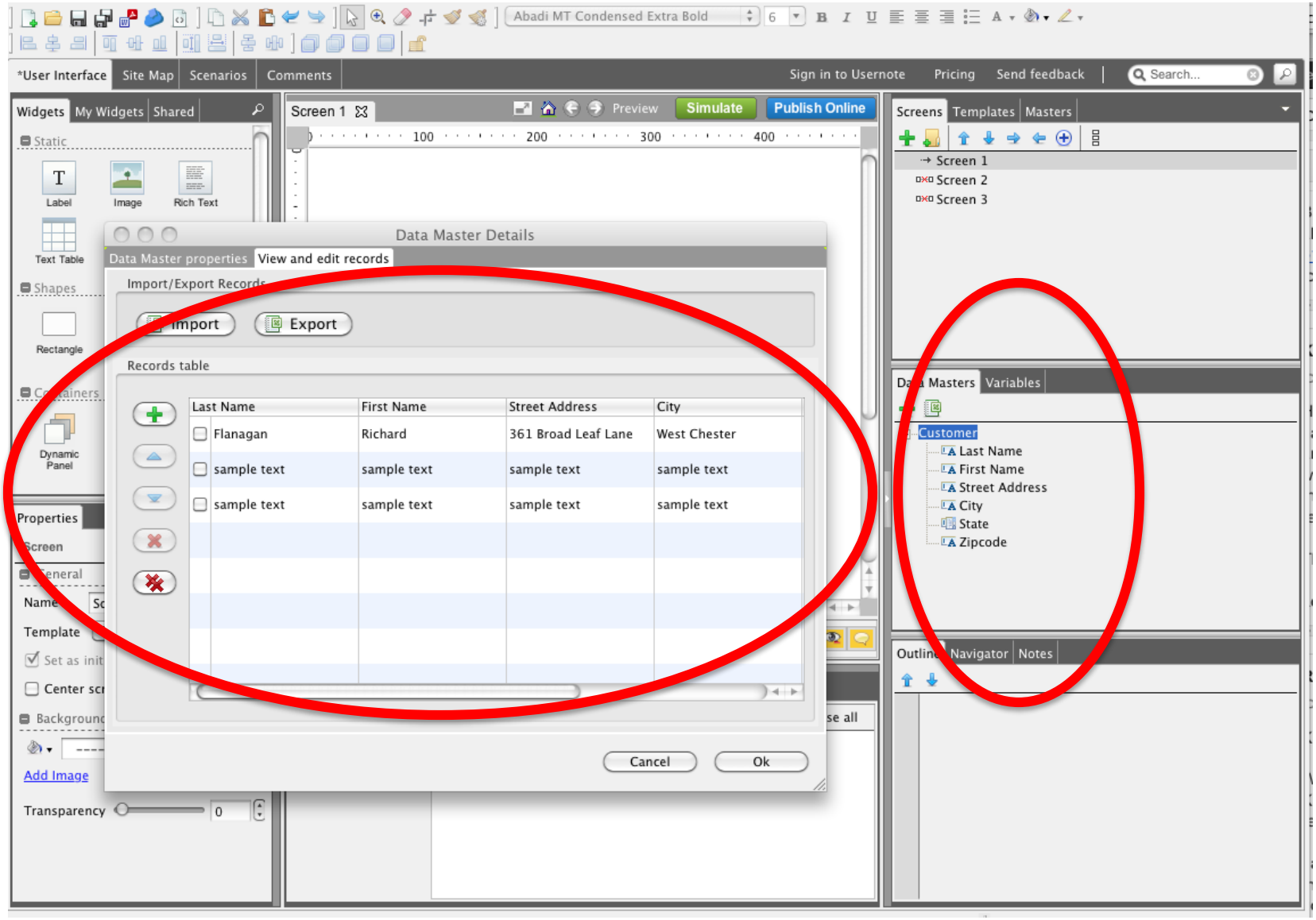
(Tickets are purchased by customers using credit cards)



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.”

Data in justinmind



For Thursday

- Identify all of the DATA you will need for your prototype
  - What are the necessary data fields your prototype will need?
  - Think about it in schema format
  - Document your DATA in your prototype using DATA MASTERS

- Create INDIVIDUAL prototypes and a CONSOLIDATED Team Prototype

Project Team Work Time

Sit with your

Review Pair

http://3.bp.blogspot.com/_oJiC4AmR4UU/S4FlHotJBJI/AAAAAAAAAhk/F2SumCCPquk/s640/2420328820_d4e152ae6e_o.jpg

Constructive Feedback

- Use our four evaluation criteria
- Ask open-ended questions and follow-up on the answers
- Ask why, what, when, where, who and how
- Set a positive, helpful tone
- Identify weaknesses, discuss them and then suggest improvements
- Identify strengths, discuss them, and then offer extensions

Evaluation DIMENSIONS

1. How well does it solve the client's problem?
    - a ….?
    - b ….?
    - c ….?
2. How complete is it?
    - a ….?
3. How correct is it?
    - a ….?
4. How appropriate is it?
    - a ….?

Your questions should generate constructive criticism and suggestions for improvement.

The number of questions for each dimension is up to each team and should represent relevant information needed.

This week focus your heuristic review on their scenario and prototype

Part 2:

Review **PROCESS**

Teams pair up as assigned

Each DATA and prototype review is 20 minutes long
In that time, the team must present their data schema and answer the reviewing team's questions.

Reviewers must listen carefully and take detailed notes. **All team members take review notes.** Your notes should reflect your observations, critiques and assessment of what they showed you and the answers given to your questions.

USE ALL THE TIME YOU ARE GIVEN 00:20 min ea

1st team presents

00:20 min

2nd team presents

00:20 min

Next Week:

Document all of the **Business Rules** you will need for your project

- word document
- Business Rule identifier
- ordered in an appropriate way