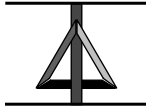


Data Model Patterns: A Metadata Map

East Coast Regional DAMA 2006

David C. Hay
May-June, 2006



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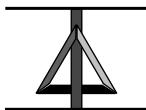
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1

One of the many reasons for the bewildering and tragic character of human existence is the fact that social organization is at once necessary and fatal. Men are forever creating such organizations for their own convenience and forever finding themselves the victims of their home-made monsters.

Aldous Huxley
Variations on a Philosopher

Column 4: people And organizations



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2

The Architecture Framework . . .

	Data (What)	Activities (How)	Locations (Where)	People (Who)	Time (When)	Motivation (Why)
Objectives / Scope (Planner's view)	List of things important to the enterprise 	List of processes the enterprise performs 	List of enterprise locations 	Organization approaches 	Business master schedule 	Business vision and mission
Enterprise model (Business Owners' Views)	Language, divergent data model 	Business process model 	Logistics network 	Organization chart 	State / transition diagram 	Business strategies, tactics, policies, rules
Model of Fundamental Concepts (Architect's View)	Convergent e/r model 	Essential data flow diagram 	Locations of roles 	The viable system, use cases 	Entity Life History 	Business rule model
Technology Model (Designer's View)	Data base design 	System design, program structure 	Hardware, software distribution 	User interface, security design 	Control structure 	Business rule design
Detailed Representation (Builder's View)	Physical storage design 	Detailed program design 	Network architecture, protocols 	Screens, security coding 	Timing definitions 	Rule specification program logic
Functioning System	<i>(Working System)</i>					
	Converted data	Executable programs	Communications facilities	Trained people	Business events	Enforced rules

3

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From the business model . . .

4

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PERSON

- * GIVEN NAME
- o MIDDLE INITIAL
- * SURNAME

ORGANIZATION

- * ORGANIZATION NAME
- * DESCRIPTION

COMPANY

- * DATE OF INCORPORATION


INTERNAL ORGANIZATION

GOVERNMENT AGENCY

SEMANTIC COMMUNITY

SPEECH COMMUNITY

OTHER ORGANIZATION



5

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PARTY

- * ID

PERSON

- * GIVEN NAME
- o MIDDLE INITIAL
- * SURNAME

ORGANIZATION

- * ORGANIZATION NAME
- * DESCRIPTION

COMPANY

- * DATE OF INCORPORATION


GOVERNMENT AGENCY

INTERNAL ORGANIZATION

SEMANTIC COMMUNITY

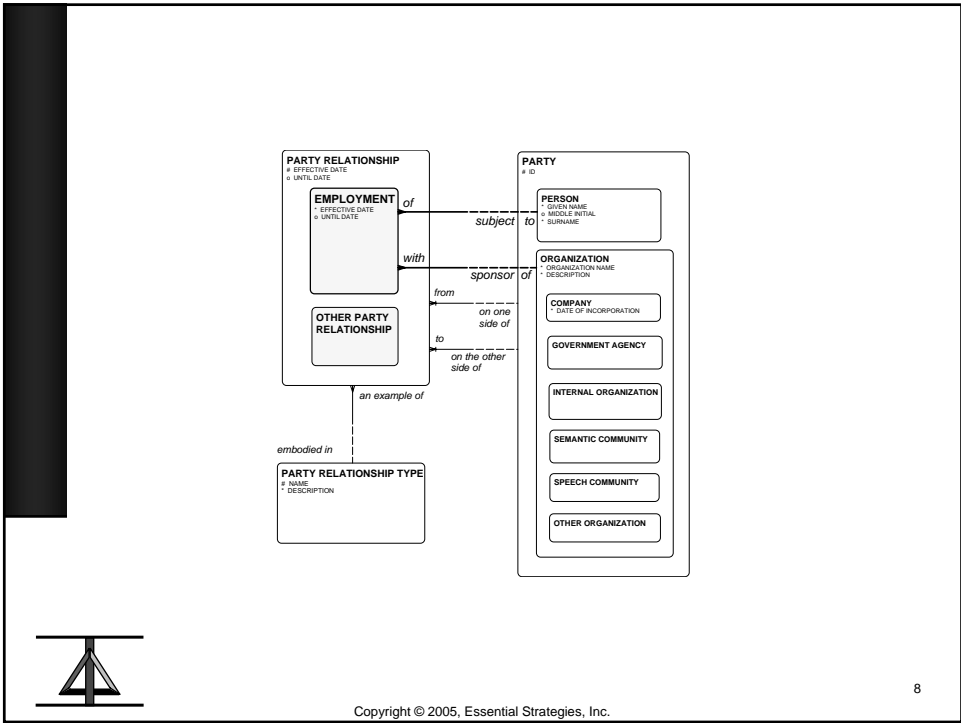
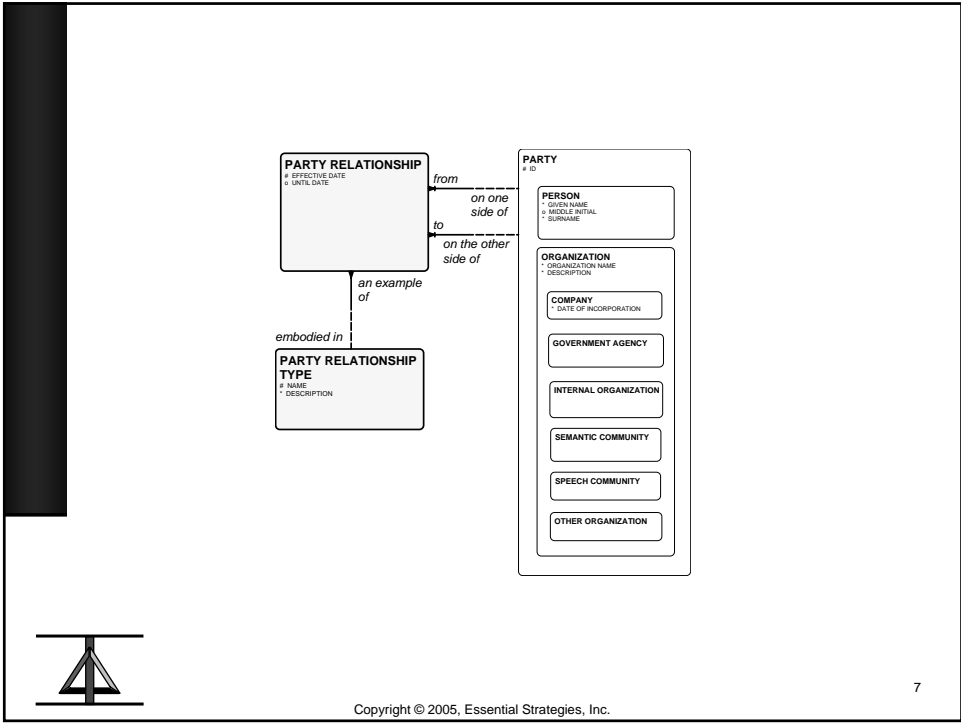
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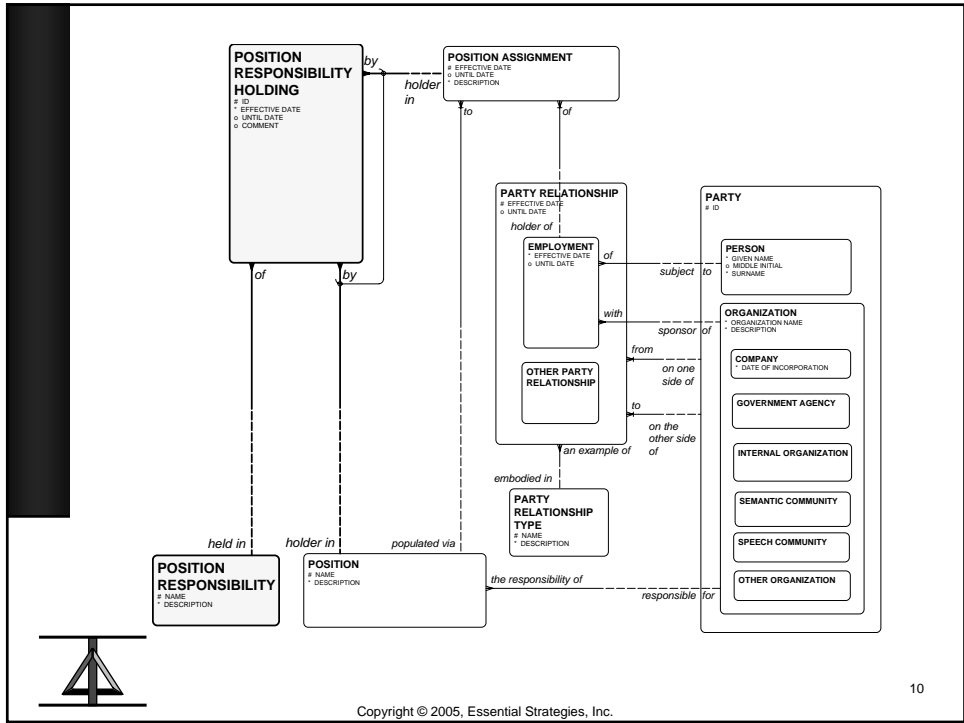
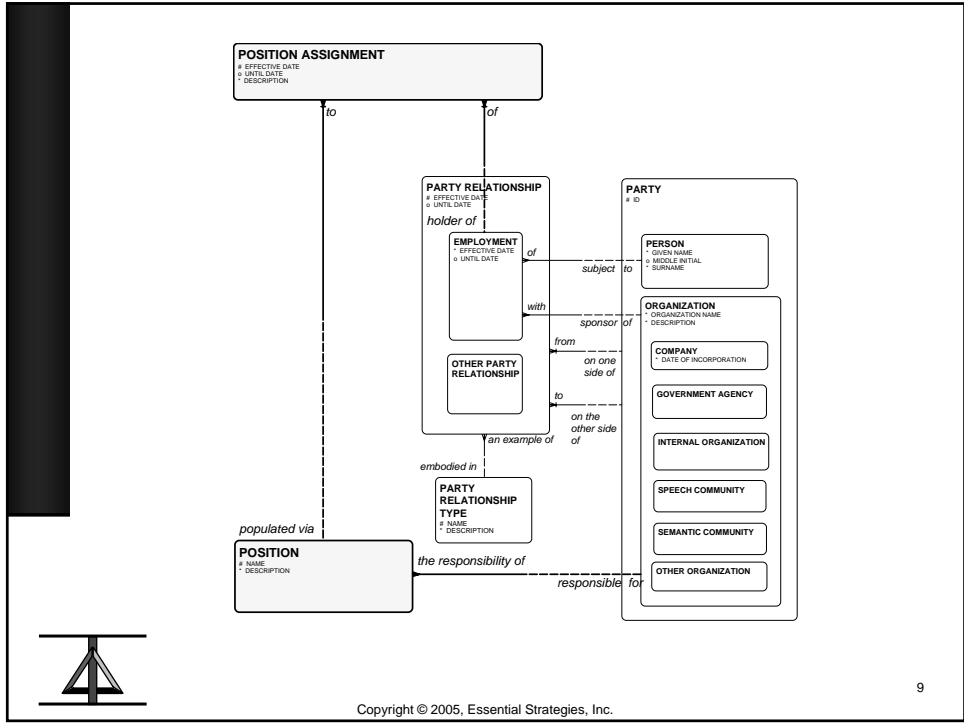
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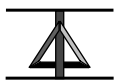
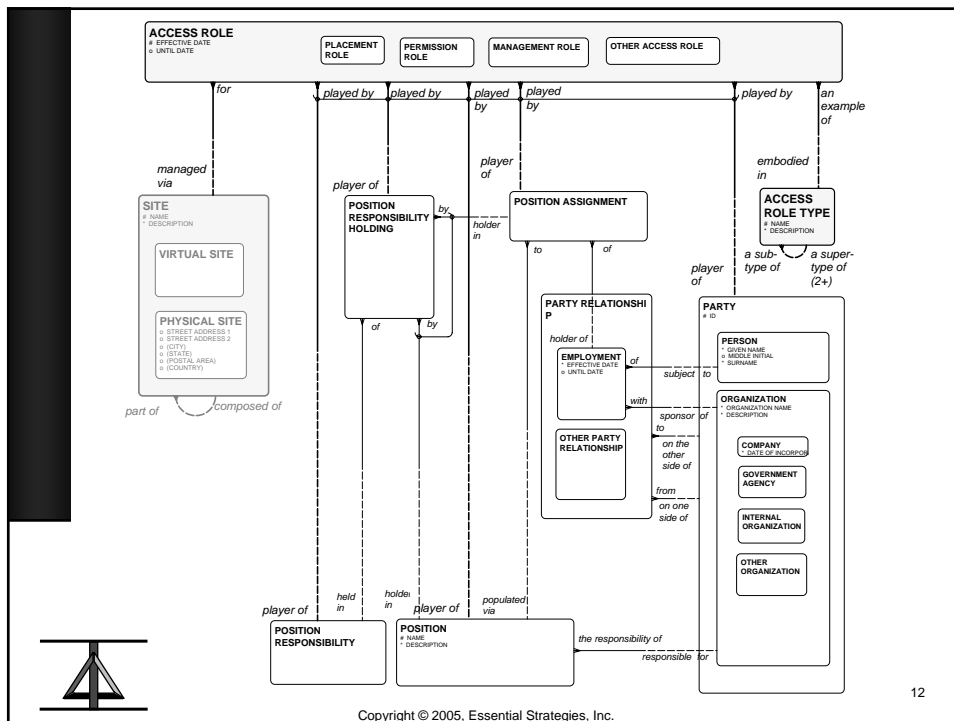
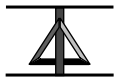
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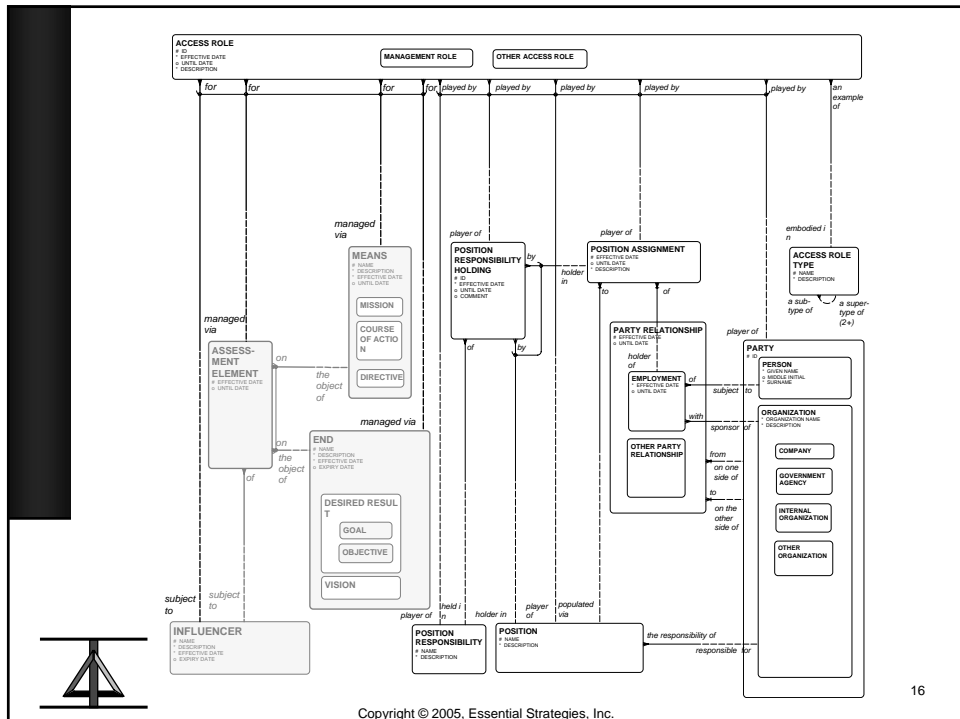
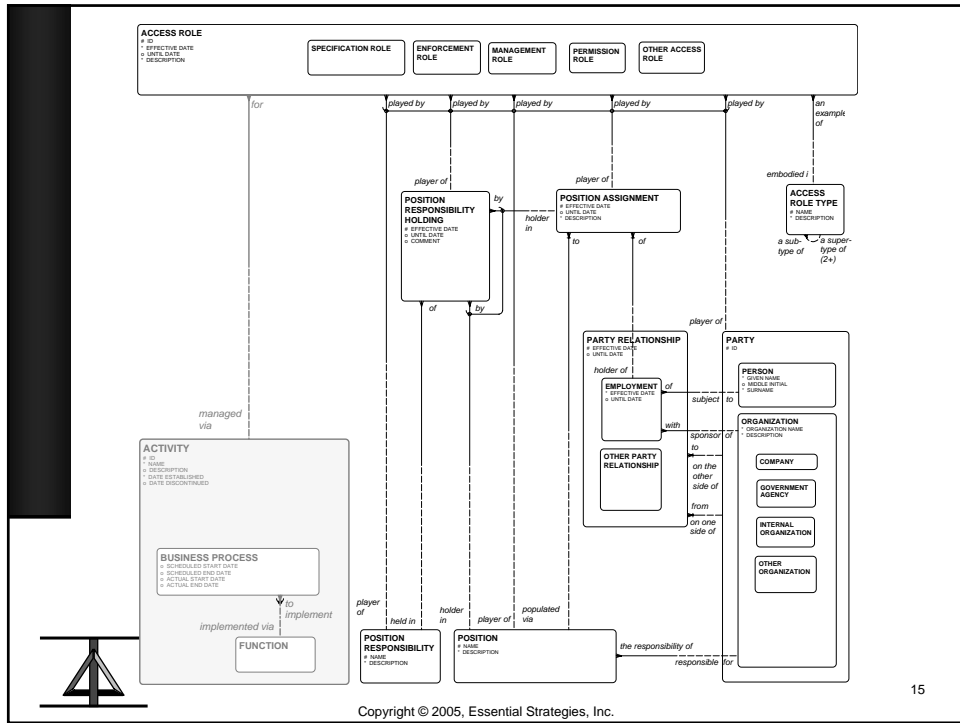
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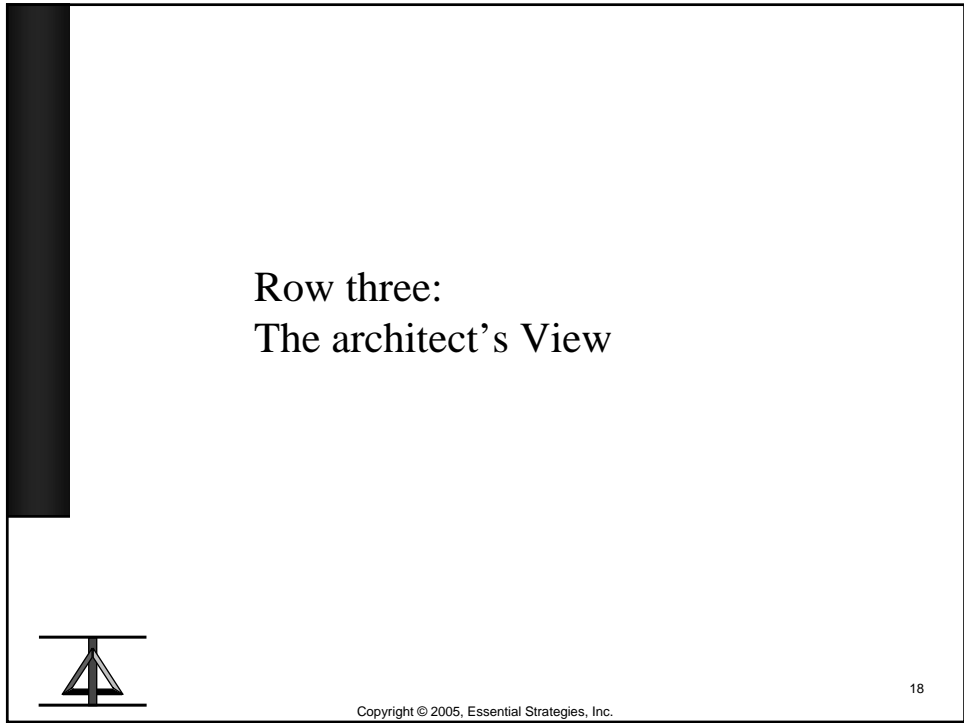
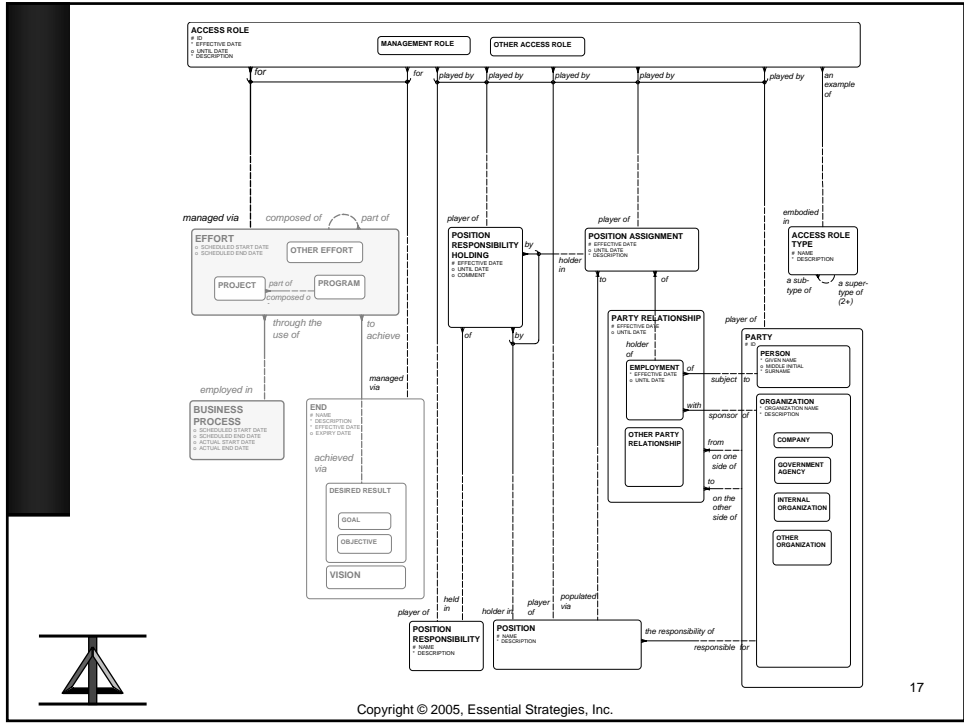


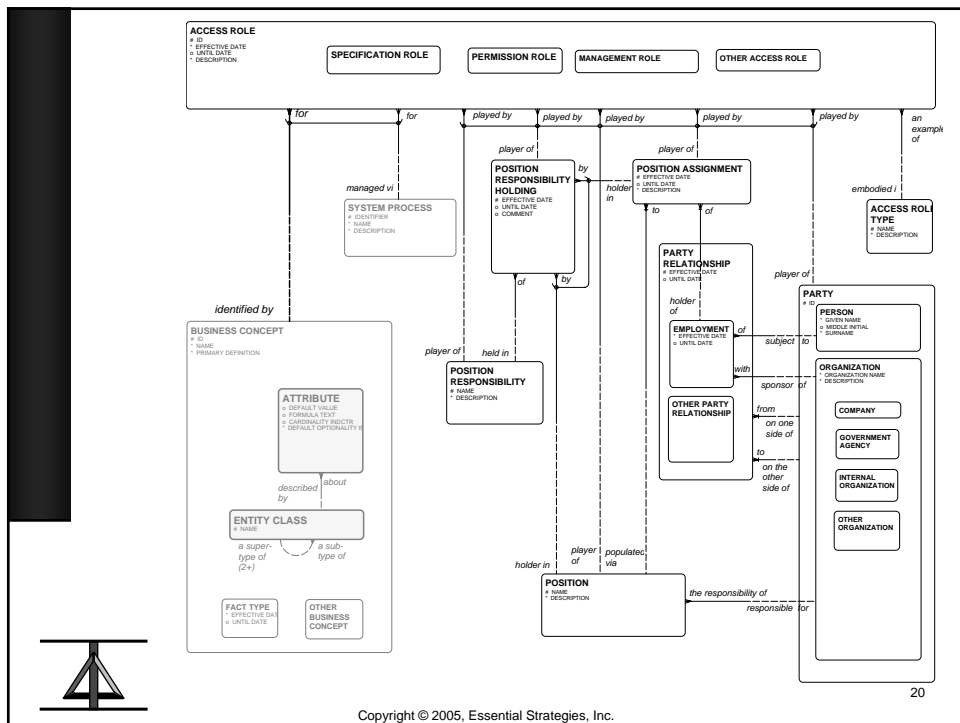
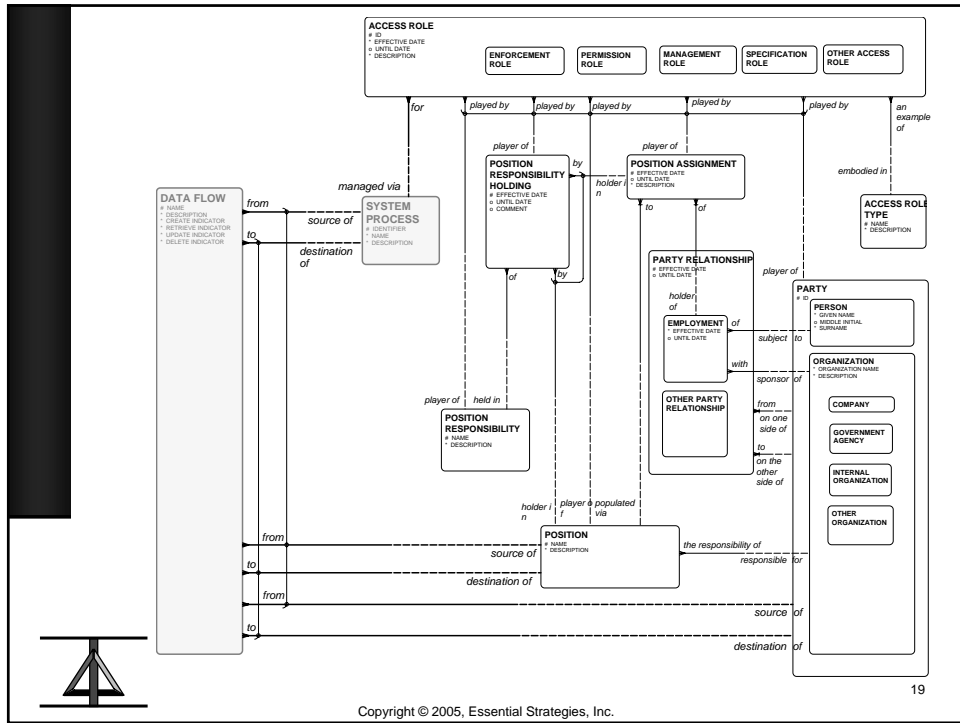


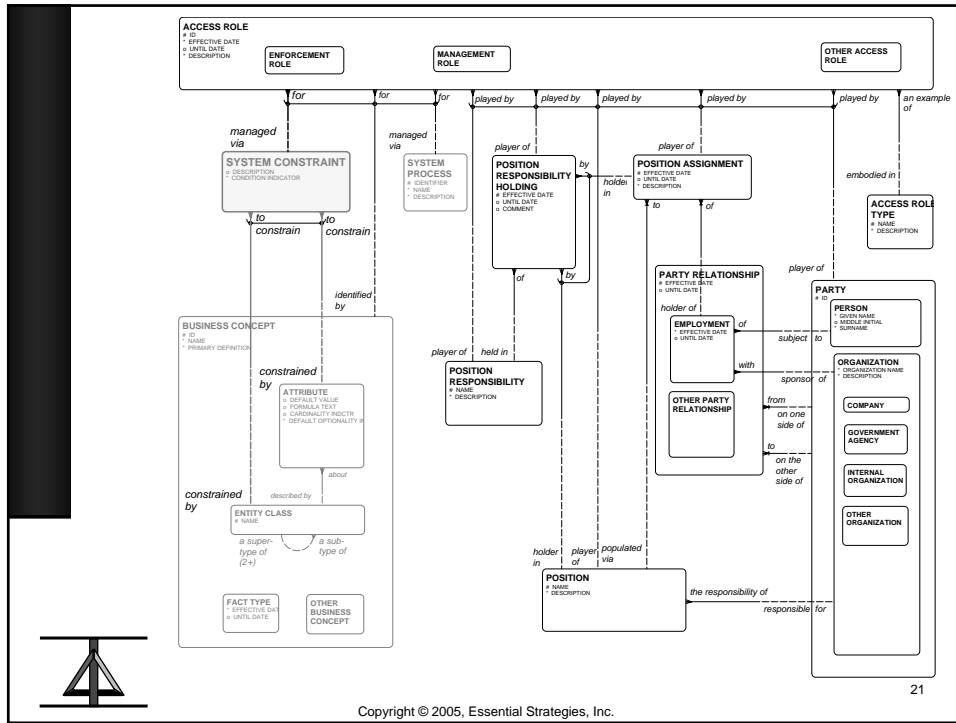
Row Two: The business owner's View





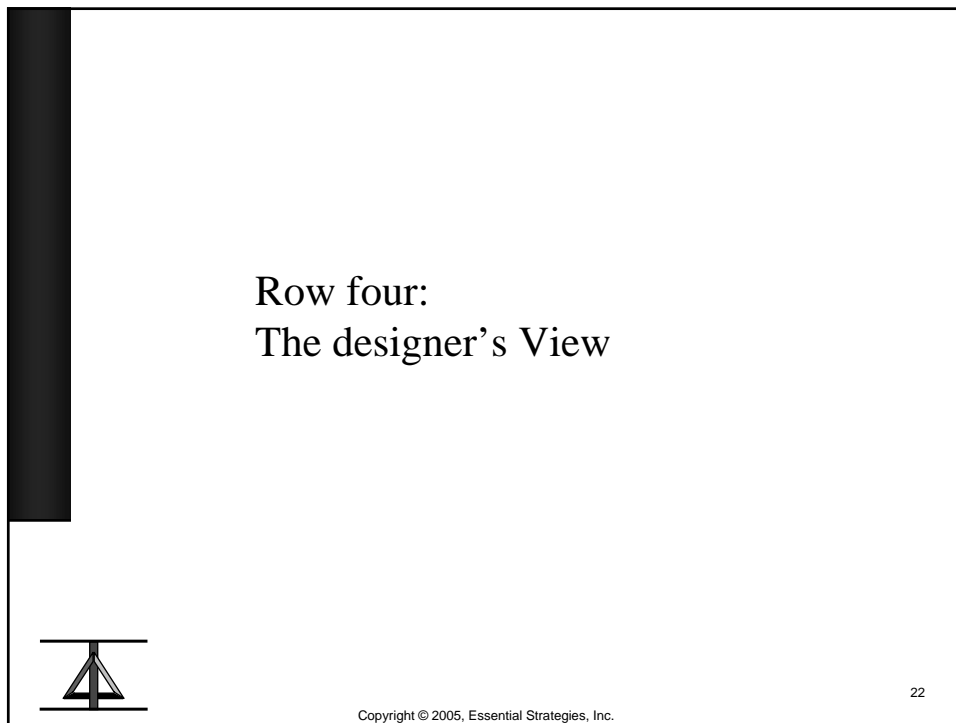


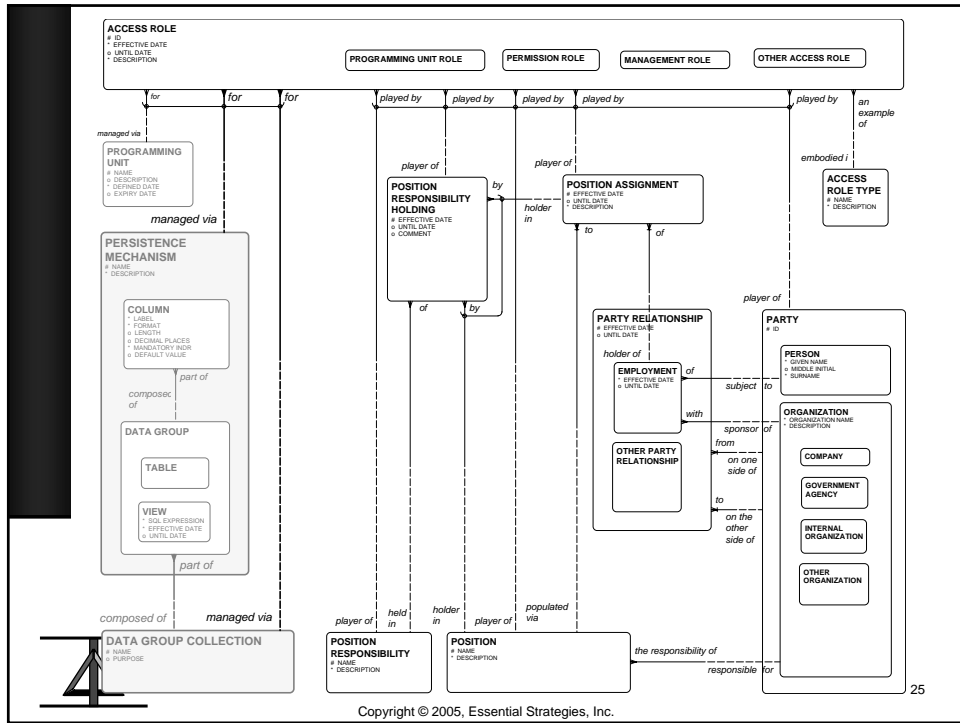




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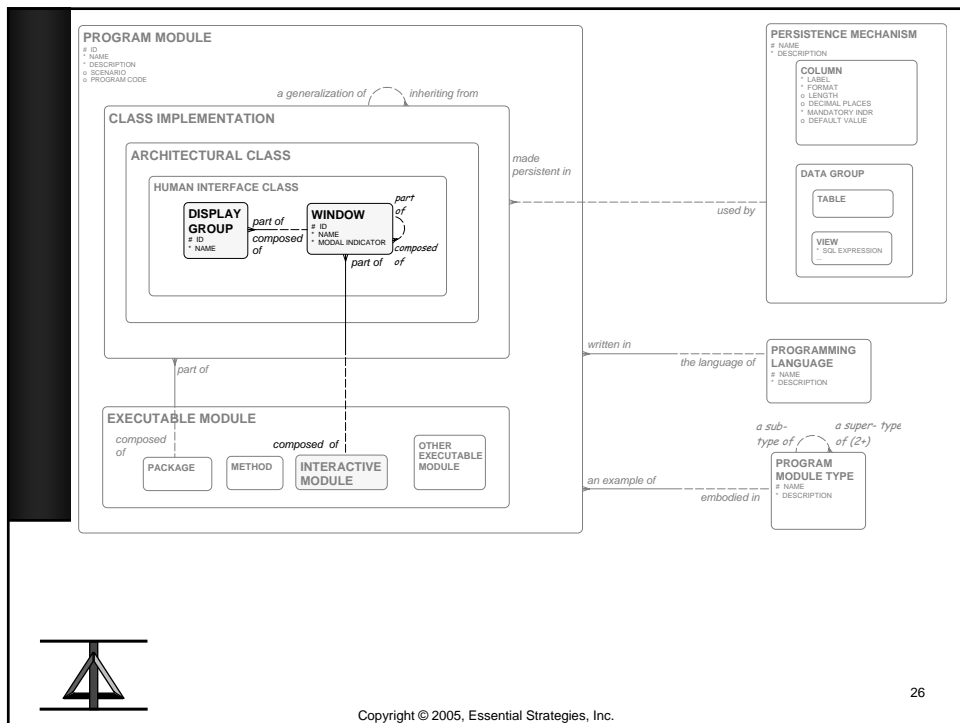
Row four: The designer's View





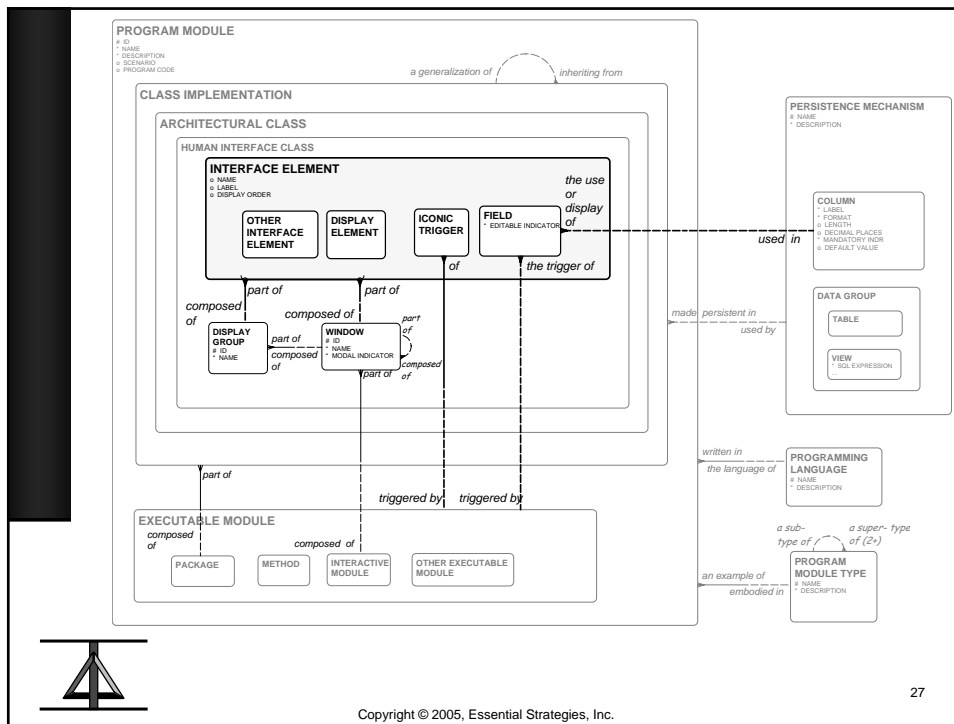
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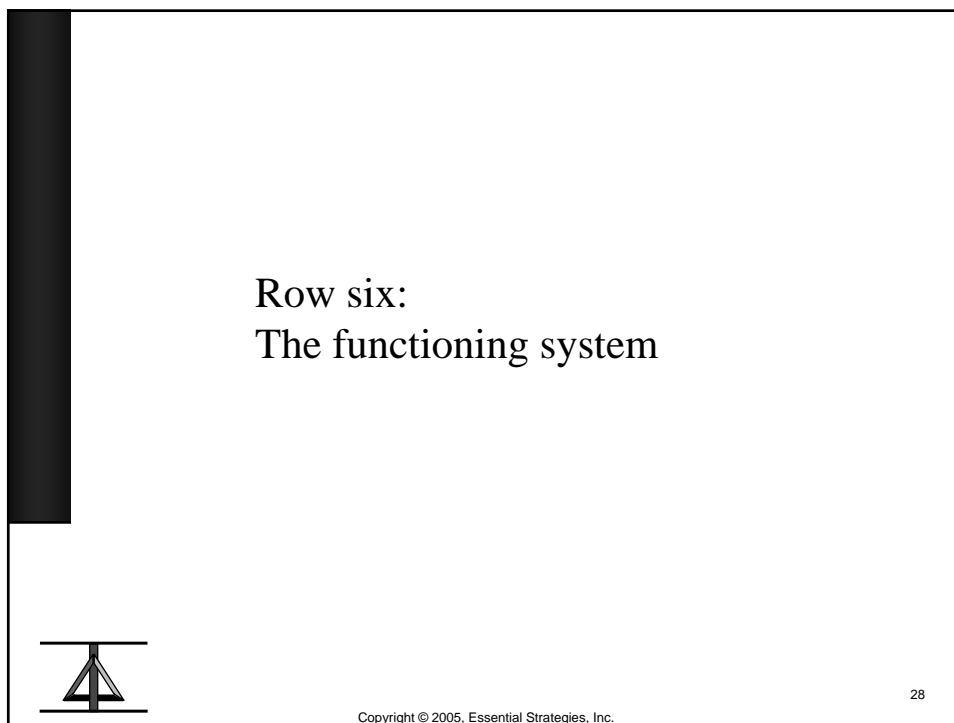


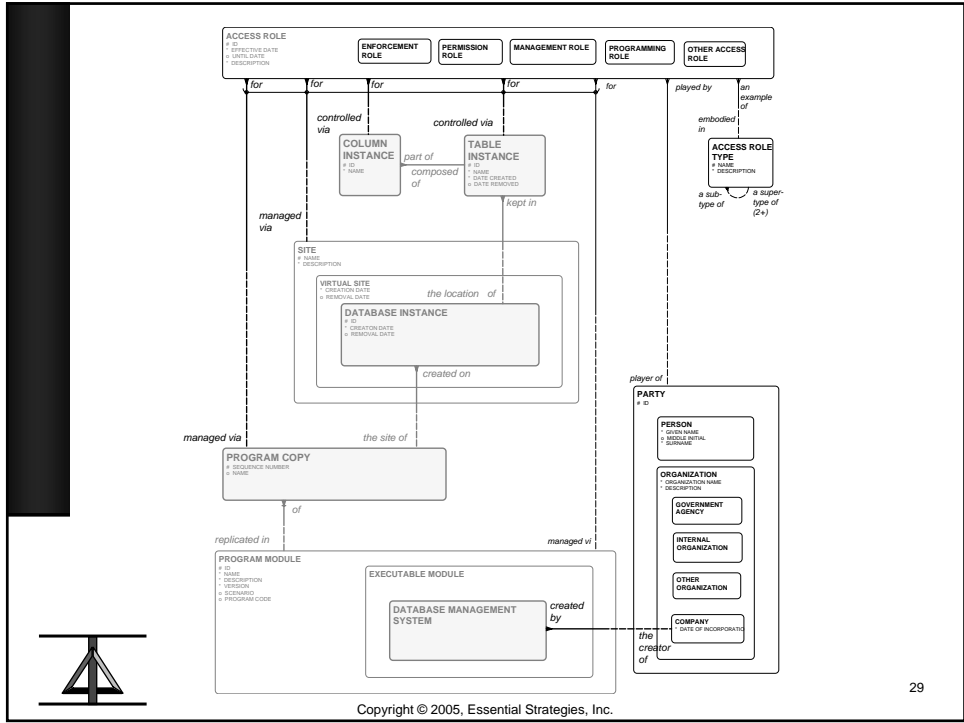
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Row six: The functioning system





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... To be continued ...

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