Conceptual Modeling

- **OSM**
  - model
  - application model

- **OSM components**
  - ORM (Object-Relationship Model)
  - OBM (Object-Behavior Model)
  - OIM (Object-Interaction Model)

- **OSM ontology**
  - advantage: direct, real-world modeling of an application
  - disadvantage: larger gap to concrete implementation

---

Objects and Relationships

- Diagram showing relationships between objects.

---

Object and Relationship Sets

- Diagram illustrating sets of objects and relationships.

---

Sample Application Model

- Detailed diagram of a sample application model.

---

Generalization/Specialization

- Diagram showing generalization and specialization relationships.

---

Roles

- Diagram displaying role relationships.

(template)
Aggregation

(Template)

Guest

Credit Card

Type, Number → Credit Card

Expiration Date

High-Level Object and Relationship Sets

Allegro