

3. Normalform Beispiel

| SNr. | SName | LCode | Fläche |
|------|---------------|-------|--------|
| 7 | Freiburg | D | 357 |
| 9 | Berlin | D | 357 |
| 40 | Moscow | RU | 17075 |
| 43 | St.Petersburg | RU | 17075 |

LCode → Fläche

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|-----|----------------|-------|-------|--------|
| 7 | Freiburg | D | D | 357 |
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Role Model Template

| | |
|---------------------------|--|
| Role Schema: | |
| Description: | |
| Protocols and Activities: | |
| Permissions: | - reads: - changes: - generates: |
| Responsibilities: | - Liveness: - Safety: |

Template for Interaction Model

| | |
|-------------------|-------------|
| [Protocol's name] | [Inputs] |
| [Initiator] | [Responder] |
| [Description] | [Outputs] |

- Description: Beschreibung
- Initiator: Rolle
- Responder: Rolle
- Inputs: Informationen des Auslösers
- Outputs: Informationen des Beantworters

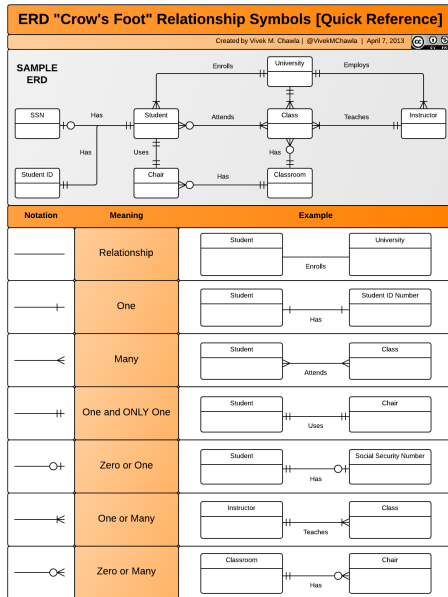
Operatoren Ablaufbeschreibung

| Operator | Interpretation |
|------------|--|
| $x.y$ | x followed by y |
| $x y$ | x or y occurs |
| x^* | x occurs 0 or more times |
| X^+ | x occurs 1 or more times |
| x^ω | x occurs innately often |
| $[x]$ | x is optional |
| $x y$ | x and y are interleaved(verschachtelt) |

Service Model

| Service | Inputs | Outputs | Precondition | Post-condition |
|---------|--------|---------|--------------|----------------|
| | | | | |

ERD



Definitions:

entity something about which data is collected, stored, and maintained

attribute a characteristic of an entity

relationship an association between entities

entity type a class of entities that have the same set of attributes

record an ordered set of attribute values that describe an instance of an entity type

Symbols:

entity type

attribute

relationship between entities

one-to-one association

one-to-many association

many-to-many association

partly optional association

fully optional association

mutually inclusive association

mutually exclusive association

Examples:

