



What is this?

name: Bruce Wayne



alibi: Batman



powers: [Rich]

weapons:[Belt,Kryptonite Spear]

alignment: chaotic Good

names: [Joker, Catwoman]

Person

ID	Name	Age	Gender	Alias
1	Bruce Wayne	32	M	Batman
2	Joker		M	
3	Catwoman		F	

Superpowers

HeroldID	Power
1	Rich

Nemesis

HeroldID	VillainID
1	2
1	3

Superhero

Heroid	Alignment
1	Chaotic Good

gender: M

Weapons

HeroldID

WeaponName

1

Belt

1

Kryptonite Spear

What is this?

Person				
ID	Name	Age	Gender	Alias
1	Bruce Wayne	32	M	Batman
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Superpowers	
HeroID	Power
1	Rich

Superhero	
HeroID	Alignment
1	Chaotic Good

Weapons	
HeroID	WeaponName
1	Belt
1	Kryptonite Spear

Nemesis	
HeroID	VillainID
1	2
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name: Bruce Wayne
age: 32
gender: M
alias: Batman
powers: [Rich]
weapons: [Belt, Kryptonite Spear]
alignment: Chaotic Good
nemesis: [Joker, Catwoman]

Entities

- Entity: Something that exists for which I can assert facts
- In the real world is is easy to reason about things, but hard to develop general ontologies
 - Easy: This entity has a name, powers, alignment, color, etc.
 - Hard: This is a Person, Superhero, etc.
- Examples: Superman, Wonder Dog
- Factual vs. structural definitions
- This approach is extremely powerful and flexible for domain modeling