

Person

<u>Ssn</u>	age	gender	firstName	lastName	GId
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Company

<u>cName</u>	cAddress	GId
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Guest

<u>GId</u>	guestType	<u>OrdId</u> delete it	VId	status
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注：Guest 的 union type 的实现方式是 surrogate key.

Gym

<u>FacilityId</u>	type
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ChessRoom

<u>FacilityId</u>	size
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Facility

<u>FacilityId</u>	<u>ServiceId</u>	<u>Session</u> session
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注：Facility 的 union type 的实现方式是 inherit the same key.

Food

<u>FoodId</u>	<u>ServiceId</u>	deliveredTime
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注：Specialization Food & Facility 的实现方式是 a. Multiple Relations – superclass and subclass.

Service

<u>ServiceId</u>	cost	RoomId
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注：Relationship Orders 的实现方式是 Foreign key.

Room

<u>RoomId</u>	available	price	BigFlag	DoubleFlag	SingleFlag
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注：Specialization BigRoom & DoubleRoom & SingleRoom 的实现方式是 d. Single relation with multiple type attributes.

Administrator

<u>UserId</u>	password
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Employee

<u>UserId</u>	password
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注：Specialization User 的实现方式是 b. Multiple relations – subclass relations only.

Bill

<u>Gid</u>	<u>BillId</u>	ResId	EId	payDate	total
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注：weak entity 继承了 owner entity 的 primary key – Gid.

Pays

<u>Gid</u>	<u>BillId</u>
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*Delete*

注：Relationship pays 的实现方式是 Relationship relation.

Contact

<u>Gid</u>	<u>telNo</u>
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注：telNo 是 Multivalue attribute.

Reserve

<u>EmpId</u>	<u>Gid</u>	<u>RoomId</u>	ResId	startDate	endDate
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注：Reserve 是 3-ary relationship. 实现方式是 Relationship relation.