**Join Fetch**

ONE select, however we get a Cartesian [cross] product.

This means Users X Items are in the result set.

In our case this means 2 users X 2[for John] & 3[for Steve] Items respectively.

Hibernate:

select

user0\_.USER\_ID as USER\_ID1\_6\_0\_,

boughtitem1\_.ITEM\_ID as ITEM\_ID1\_5\_1\_,

user0\_.IS\_ADMIN as IS\_ADMIN2\_6\_0\_,

user0\_.EMAIL as EMAIL3\_6\_0\_,

user0\_.FIRSTNAME as FIRSTNAM4\_6\_0\_,

user0\_.LASTNAME as LASTNAME5\_6\_0\_,

user0\_.RANK as RANK6\_6\_0\_,

user0\_.version as version7\_6\_0\_,

boughtitem1\_.APPROVAL\_DATETIME as APPROVAL2\_5\_1\_,

boughtitem1\_.CREATED as CREATED3\_5\_1\_,

boughtitem1\_.DESCRIPTION as DESCRIPT4\_5\_1\_,

boughtitem1\_.END\_DATE as END\_DATE5\_5\_1\_,

boughtitem1\_.initialPrice as initialP6\_5\_1\_,

boughtitem1\_.ITEM\_NAME as ITEM\_NAM7\_5\_1\_,

boughtitem1\_.reservePrice as reserveP8\_5\_1\_,

boughtitem1\_.user\_id as user\_id11\_5\_1\_,

boughtitem1\_.START\_DATE as START\_DA9\_5\_1\_,

boughtitem1\_.OBJ\_VERSION as OBJ\_VER10\_5\_1\_,

boughtitem1\_.user\_id as user\_id11\_6\_0\_\_,

boughtitem1\_.ITEM\_ID as ITEM\_ID1\_5\_0\_\_

from

USERS user0\_

inner join

ITEM boughtitem1\_

on user0\_.USER\_ID=boughtitem1\_.user\_id

User Name : John Doe

Item : cardboard box

Item : plastic box

User Name : John Doe

Item : cardboard box

Item : plastic box

User Name : Steve Stag

Item : metal box

Item : jewelry box

Item : round box

User Name : Steve Stag

Item : metal box

Item : jewelry box

Item : round box

User Name : Steve Stag

Item : metal box

Item : jewelry box

Item : round box

**Batch Size**

Batch Size Indicates the number of Collection fetches...

So there are 2 distinct Fetches - ONE per Parent...

So if we set Batch Size >= 2, there will be ONE collection fetch...

So if we set Batch Size = 1, there will be TWO collection fetch...

Hibernate:

select

user0\_.USER\_ID as USER\_ID1\_6\_,

user0\_.IS\_ADMIN as IS\_ADMIN2\_6\_,

user0\_.EMAIL as EMAIL3\_6\_,

user0\_.FIRSTNAME as FIRSTNAM4\_6\_,

user0\_.LASTNAME as LASTNAME5\_6\_,

user0\_.RANK as RANK6\_6\_,

user0\_.version as version7\_6\_

from

USERS user0\_

Hibernate:

select

boughtitem0\_.user\_id as user\_id11\_6\_1\_,

boughtitem0\_.ITEM\_ID as ITEM\_ID1\_5\_1\_,

boughtitem0\_.ITEM\_ID as ITEM\_ID1\_5\_0\_,

boughtitem0\_.APPROVAL\_DATETIME as APPROVAL2\_5\_0\_,

boughtitem0\_.CREATED as CREATED3\_5\_0\_,

boughtitem0\_.DESCRIPTION as DESCRIPT4\_5\_0\_,

boughtitem0\_.END\_DATE as END\_DATE5\_5\_0\_,

boughtitem0\_.initialPrice as initialP6\_5\_0\_,

boughtitem0\_.ITEM\_NAME as ITEM\_NAM7\_5\_0\_,

boughtitem0\_.reservePrice as reserveP8\_5\_0\_,

boughtitem0\_.user\_id as user\_id11\_5\_0\_,

boughtitem0\_.START\_DATE as START\_DA9\_5\_0\_,

boughtitem0\_.OBJ\_VERSION as OBJ\_VER10\_5\_0\_

from

ITEM boughtitem0\_

where

boughtitem0\_.user\_id in (

?, ?

)

User Name : John Doe

Item : cardboard box

Item : plastic box

User Name : Steve Stag

Item : metal box

Item : jewelry box

Item : round box

**SUBSELECT**

One Select for Users

One SUB Select for Items

Hibernate:

select

user0\_.USER\_ID as USER\_ID1\_6\_,

user0\_.IS\_ADMIN as IS\_ADMIN2\_6\_,

user0\_.EMAIL as EMAIL3\_6\_,

user0\_.FIRSTNAME as FIRSTNAM4\_6\_,

user0\_.LASTNAME as LASTNAME5\_6\_,

user0\_.RANK as RANK6\_6\_,

user0\_.version as version7\_6\_

from

USERS user0\_

Hibernate:

select

boughtitem0\_.user\_id as user\_id11\_6\_1\_,

boughtitem0\_.ITEM\_ID as ITEM\_ID1\_5\_1\_,

boughtitem0\_.ITEM\_ID as ITEM\_ID1\_5\_0\_,

boughtitem0\_.APPROVAL\_DATETIME as APPROVAL2\_5\_0\_,

boughtitem0\_.CREATED as CREATED3\_5\_0\_,

boughtitem0\_.DESCRIPTION as DESCRIPT4\_5\_0\_,

boughtitem0\_.END\_DATE as END\_DATE5\_5\_0\_,

boughtitem0\_.initialPrice as initialP6\_5\_0\_,

boughtitem0\_.ITEM\_NAME as ITEM\_NAM7\_5\_0\_,

boughtitem0\_.reservePrice as reserveP8\_5\_0\_,

boughtitem0\_.user\_id as user\_id11\_5\_0\_,

boughtitem0\_.START\_DATE as START\_DA9\_5\_0\_,

boughtitem0\_.OBJ\_VERSION as OBJ\_VER10\_5\_0\_

from

ITEM boughtitem0\_

where

boughtitem0\_.user\_id in (

select

user0\_.USER\_ID

from

USERS user0\_

)

User Name : John Doe

Item : cardboard box

Item : plastic box

User Name : Steve Stag

Item : metal box

Item : jewelry box

Item : round box