Normalization

**tbl\_resc\_traits**

id (PK)

resc\_id -> id

key -> id

value -> key, resc id

* Conclusion: resc\_id,key should be primary keys for this

***tbl\_resc\_traits***

*resc\_id (id)*

*key (id)*

*value -> key, resc id*

**tbl\_resc\_type**

id (PK)

name -> id

description -> id

**tbl\_roles**

id (PK)

name -> id

description -> id

privilege -> id

**tbl\_buildings**

id (PK)

abbreviation -> id

name -> id

address1 -> id

address2 -> id

**tbl\_resources**

id (PK)

type\_id -> id

last\_updated\_by -> id

last\_updated\_date -> id

parent\_resource\_id -> id

root\_parent\_resource\_id -> id

**tbl\_users**

username (PK)

password -> username

first\_name -> username

last\_name -> username

role\_id -> username

mail -> username

last\_updated\_by -> username

last\_updated\_date -> username

**tbl\_room\_locations**

tbl\_buildings\_id (PK)

room (PK)

tbl\_resources\_id -> tbl\_buildings\_id, room

name -> tbl\_resources\_id

* Conclusion: name is unnecessary. In fact, we could easily store name as a key in the tbl\_resc\_traits table.

***tbl\_room\_locations***

*tbl\_buildings\_id (PK)*

*room (PK)*

*tbl\_resources\_id -> tbl\_buildings\_id, room*

**tbl\_reservations**

id (PK)

tbl\_resources\_id -> id

from\_datetime -> id

to\_datetime -> id

status -> id

reserved\_by -> id

reserved\_date -> id

remarks -> id

**tbl\_resv\_status**

id (PK)

name -> id

description -> id