

SQL QUERIES

//show my stuff

```
select i.i_number, i.value, i.description, i.available  
from item i , ownedby o  
where o.i_number=i.i_number and o.email = '$user_email'
```

//make all my stuff available

```
update item set available='T' where item.i_number in (select i.i_number from item i  
inner join ownedby o on i.i_number=o.i_number and o.email='$email');
```

//compare everyone's total value

```
select email, available, count(*), sum(value)  
from item i, ownedby o  
where i.i_number=o.i_number  
group by i.available, o.email order by o.email, i.available
```

//total value of all the items registered

```
select SUM(i.value) from item i
```

//stuff for users offering more than the average value

```
select email,imax, icount, isum from ( select o.email as email, max(i.value) as imax,  
count(*) as icount, sum (i.value) as isum , min (i.value) as imin, avg (i.value) as iavg  
from item i, ownedby o where i.i_number = o.i_number group by o.email) tmp where  
iavg> (select avg(value) from item)
```

// stuff for users offering less than the average value

```
select email,imax, icount, isum from ( select o.email as email, max(i.value) as imax,  
count(*) as icount, sum (i.value) as isum , min (i.value) as imin, avg (i.value) as iavg  
from item i, ownedby o where i.i_number = o.i_number group by o.email) tmp where  
iavg< (select avg(value) from item)
```

//people who have borrowed all items that are owned by obama

```
select email from person p where not exists (select * from ownedby o where
```

o.email='president@us.gov' and not exists (select * from makesTransaction m where m.email=p.email and m.item_number = o.i_number))

//average rating of an item

```
select avg(ir.rating)
from hasrating hr, itemrating ir
where hr.i_number = '$item_number' and hr.ir_id = ir.ir_id
group by hr.i_number
```

//ratings and comments for an item

```
select ir.rating, ir.itemcomment
from hasrating hr, itemrating ir
where hr.i_number = '$item_number' and hr.ir_id = ir.ir_id
```

//show items in queue

```
select i.i_number, i.value, i.description, i.available
from item i , inqueue q
where q.i_number=i.i_number and q.email=$email'
```

//eliminate item from queue

```
DELETE FROM InQueue Q WHERE Q.email = '$mylocalvar' and Q.I_Number
= '$myitem'
```

//borrow item

```
insert into makestransaction values(default, SYSDATE,
NULL, '$i_number', 'Borrow' '$email');
insert into makestransaction values (default, SYSDATE,
NULL, '$myitem', 'Borrow', '$mylocalvar)";
update item set available='F' where item.i_number= '$item';
```

//return item

```
insert into makestransaction values(default, NULL,
SYSDATE, '$i_number', 'Borrow', '$email');
update item set available= where item.i_number=' . $item'
update makestransaction set type = '\RETURNED\', endDate = SYSDATE where
item_number=' . $item;
```

//enqueue (when clicking on items unavailable)

```
Insert into InQueue(theDate, I_Number, Email) values (SYSDATE, $cmdstr .='
$item' , '$myperson'
```

//stuff that can be borrowed

```
select i.i_number, i.value, i.description, i.available from item i , ownedby o where
o.i_number=i.i_number and i.available='T' and o.email <> '$email'
```

//stuff i have borrowed

```
select i.i_number, i.value, i.description, i.available from makestransaction m, item i
where i.i_number=m.item_number and m.email = '$email' and type = 'Borrow';
```

//show all books

```
select * from bookitem;
```

//show all cd's

```
select * from citem;
```

//show all videos

```
select * from videoitem;
```

//show all misc

```
select * from item i where i.i_number not in ( (select i_number from book) union (select
i_number from cd) union (select i_number from video) );
```

//add comment and rating

```
INSERT INTO itemRating(Rating, IR_ID, itemComment) VALUES ('$rating',
default, '$description')
```

//add misc

```
insert into item(value,description) values ('$value','$description')
insert into ownedby values (item_seq.currval, $email)
```

```
select i.i_number, i.value, i.description, o.email from item i, ownedby o where  
i.i_number=o.i_number order by i.i_number desc
```

//add cd

```
insert into item(value,description) values ('$value','$description')  
insert into ownedby values (item_seq.currval, $email)  
select i.i_number, i.value, i.description, o.email from item i, ownedby o where  
i.i_number=o.i_number order by i.i_number desc
```

//add video

```
insert into item(value,description) values ('$value','$description')  
insert into ownedby values (item_seq.currval, $email)  
select i.i_number, i.value, i.description, o.email from item i, ownedby o where  
i.i_number=o.i_number order by i.i_number desc
```

//add book

```
insert into item(value,description) values ('$value','$description');  
insert into ownedby values (item_seq.currval, $email)  
insert into book values (item_seq.currval, $title , $authour, $type)  
select i.i_number, i.value, i.description, o.email, b.title, b.author, b.type from item i,  
ownedby o, book b where i.i_number=o.i_number and b.i_number=i.i_number order
```