

## SQL commands required in this project

### User login:

\*parameters required: \$username, \$password

\$hash = sha1(\$password);

\$sql = "SELECT Username, User\_type FROM USER WHERE Username='\$username' AND Password='\$hash'";

### Registration:

\*parameters required: \$email, \$username, \$password, \$usertype

\$sql = "INSERT INTO USER (Email, Username, Password, User\_type) VALUES ('\$email', '\$username', '\$hash', \$usertype)";

### Owner property creation:

\* No need to set ID because the datatype uses auto\_increment

\*parameters required: \$pty\_name, \$size, \$addr, \$city, \$zip, \$isp, \$isc, \$username, \$p\_type

\$sql = "INSERT INTO PROPERTY (Name, Size\_Acres, St\_Address, City, ZIP, IsPublic, IsComm, User\_Name, Admin\_Name, Property\_Type) VALUES('\$pty\_name', \$size, '\$addr', '\$city', '\$zip', \$isp, \$isc, '\$username', NULL, '\$p\_type')";

### Select initial approved item:

\*parameters required: \$i\_type (=FRUIT / FLOWER / VEGETABLE / NUT / ANIMAL)

\$sql = "SELECT Name FROM ITEM WHERE IsApproved=1 AND Item\_Type='\$i\_type' ;"

### Set initial approved item:

\*parameters required: \$pid, \$iname (user selection)

\$sql = "INSERT INTO PROPERTY\_HAS\_ITEM(P\_ID, I\_Name) VALUES(\$pid, '\$iname')";

### Owner delete item from property:

\*parameters required: \$pid, \$i\_name

DELETE FROM PROPERTY\_HAS\_ITEM WHERE P\_ID=\$pid AND I\_Name= '\$i\_name';

### Request item approval:

\*parameters required: \$i\_name (user input), \$i\_type (user selection)

```
$sql = "INSERT INTO ITEM(I_Name, IsApproved, Item_Type) values ('$i_name', 0, '$i_type');";
```

Owner manage property:

\*parameters required: \$pid, \$name, \$size, \$addr, \$city, \$zip, \$isp, \$isc

```
UPDATE PROPERTY SET Name= '$name',Size_Acres=$size, St_Address='$addr', City='$city',  
ZIP='$zip', IsPublic=$isp, IsComm=$isc, Admin_Name=NULL WHERE ID=$pid
```

Owner delete property:

\*parameters required: \$pid

```
DELETE FROM PROPERTY WHERE ID=$pid;
```

Admin viewing pending item:

```
$sql = "SELECT I_Name FROM ITEM WHERE IsApproved=0;"
```

Admin approve pending item:

\*parameters required: \$i\_name

```
$sql = "UPDATE ITEM SET IsApproved=1 WHERE I_Name='$i_name';"
```

Admin delete approved/pending item:

\*parameters required: \$i\_name

```
DELETE FROM ITEM WHERE I_Name='$i_name';
```

Owner view own properties:

\*parameters required: \$username, \$column1 (for ordering, default Name, choice includes Name, City, Property\_Type, Visits, Avg\_Rating), \$order (default ASC, choice includes ASC/DESC)

```
$sql = "SELECT Name, ID, Size_Acres,St_Address,City,ZIP,IsComm, IsPublic,Property_Type,  
COUNT(Rating) AS Visits, AVG(Rating) AS Avg_Rating FROM PROPERTY LEFT JOIN VISIT ON  
ID=P_ID WHERE User_Name = '$username' GROUP BY ID ORDER BY $column1 $order;"
```

Owner view own properties with search on columns:

\*parameters required: \$username, \$column1 (for ordering, default Name, choice includes Name, City, Property\_Type, Visits, Avg\_Rating), \$order (default ASC, choice includes ASC/DESC),

\$column2 (for searching on character attributes), \$keyword

```
$sql = "SELECT * FROM (SELECT Name, ID, Size_Acres, St_Address, City, ZIP, IsComm, IsPublic,
IFNULL(Admin_Name, 0), Property_Type, COUNT(Rating) AS Visits, AVG(Rating) AS Avg_Rating
FROM PROPERTY LEFT JOIN VISIT ON ID=P_ID WHERE User_Name = '$username' GROUP BY ID
ORDER BY $column1 $order) AS TEMP WHERE $column2 LIKE '%$keyword%';";
```

Owner view all other properties (need to be valid):

\*parameters required: \$username, \$column1 (for ordering, default Name, choice includes Name, City, Property\_Type, Visits, Avg\_Rating), \$order (default ASC, choice includes ASC/DESC)

```
$sql = "SELECT Name, ID, Size_Acres, St_Address, City, ZIP, IsComm, IsPublic, Property_Type,
IFNULL(Admin_Name, 0), IFNULL(COUNT(Rating), 0) AS Visits, AVG(Rating) AS Avg_Rating FROM
PROPERTY LEFT JOIN VISIT ON ID=P_ID WHERE not (User_Name = '$username') AND
Admin_Name IS NOT NULL GROUP BY ID ORDER BY $column1 $order;";
```

Owner search other properties similarly;

Owner view other specific property details:

\*parameters required: \$pid

\* to get property detail

```
$sql = "SELECT Name, Username, Email, ID, Size_Acres, St_Address, City, ZIP, IsComm, IsPublic,
IFNULL(COUNT(Rating), 0) AS Visits, AVG(Rating) AS Avg_Rating FROM (PROPERTY LEFT JOIN
VISIT ON ID=P_ID LEFT JOIN USER ON Username=User_Name) WHERE ID=$pid;";
```

\* to get item list

\*parameters required: \$pid

```
SELECT ITEM.I_Name, Item_Type FROM ITEM, PROPERTY_HAS_ITEM WHERE
ITEM.I_Name=PROPERTY_HAS_ITEM.I_Name AND P_ID=$pid;
```

Admin view unconfirmed properties:

```
SELECT Name, ID, Size_Acres, St_Address, City, ZIP, IsPublic, IsComm, Property_Type, User_Name
FROM PROPERTY WHERE Admin_Name IS NULL ORDER BY $column1 $order;
```

Admin view confirmed properties:

\*parameters required: \$column1 (for ordering, default Name, choice includes Name, City,

Property\_Type, Visits, Avg\_Rating), \$order (default ASC, choice includes ASC/DESC)  
SELECT Name, ID, Size\_Acres, St\_Address, City, ZIP, IsPublic, IsComm,Property\_Type,  
Admin\_Name, AVG(Rating) AS Avg\_Rating FROM PROPERTY LEFT JOIN VISIT ON ID=P\_ID  
WHERE Admin\_Name IS NOT NULL GROUP BY ID ORDER BY \$column1 \$order;

Admin search similar to owner search;

Admin delete property:

\*parameters required: \$pid

DELETE FROM PROPERTY WHERE ID=\$pid;

Admin confirm/manage properties:

\*parameters required: \$aname, \$pid, \$name, \$size, \$addr, \$city, \$zip, \$isp, \$isc

UPDATE PROPERTY SET Name= '\$name',Size\_Acres=\$size, St\_Address='\$addr', City='\$city',  
ZIP='\$zip', IsPublic=\$isp, IsComm=\$isc, Admin\_Name='\$aname' WHERE ID=\$pid

Admin view visitor

SELECT Email, Username, COUNT(Rating) AS Logged\_visits from USER, VISIT WHERE  
USER.Username=VISIT.U\_ID AND USER.User\_type=2 GROUP BY Username;

Admin view owner

SELECT Email, Username, COUNT(ID) AS Num\_property from USER, PROPERTY WHERE  
USER.Username=PROPERTY.User\_Name AND USER.User\_type=1 GROUP BY Username;

Admin delete owner/visitor

\*parameters required: \$uid

DELETE FROM USER WHERE Username='\$uid'

Admin delete visitor log history

\*parameters required: \$uid

DELETE FROM VISIT WHERE U\_ID='\$uid'

Visitor view all public, valid property

\*parameters required: \$column1 (for ordering, default Name, choice includes Name, City, Property\_Type, Visits, Avg\_Rating), \$order (default ASC, choice includes ASC/DESC)  
SELECT Name, ID, Size\_Acres, St\_Address, City, ZIP, IsPublic, IsComm, Property\_Type, IFNULL( COUNT(Rating),0) AS Visits, IFNULL(AVG(Rating),0) AS Avg\_Rating FROM PROPERTY LEFT JOIN VISIT ON ID=P\_ID WHERE IsPublic = 1 AND Admin\_Name IS NOT NULL GROUP BY ID ORDER BY \$column1 \$order;

Search similar

Visitor view property detail:

\*parameters required: \$pid

SELECT Name, Username, Email, ID, Size\_Acres, St\_Address, City, ZIP, IsComm, IsPublic, IFNULL(COUNT(Rating),0) AS Visits, AVG(Rating) AS Avg\_Rating FROM (PROPERTY LEFT JOIN VISIT ON ID=P\_ID LEFT JOIN USER ON Username=User\_Name) WHERE ID=\$pid;

\* to get item list

\*parameters required: \$pid

SELECT ITEM.I\_Name, Item\_Type FROM ITEM, PROPERTY\_HAS\_ITEM WHERE ITEM.I\_Name=PROPERTY\_HAS\_ITEM.I\_Name AND P\_ID=\$pid;

Visitor leaves log:

\*parameters required: \$username, \$pid, \$date, \$rate

INSERT INTO VISIT(U\_ID, P\_ID, Date, Rating) VALUES('\$username', \$pid, '\$date', \$rate);

Visitor unlog:

\*parameters required: \$pid

DELETE FROM VISIT WHERE U\_ID='\$username' AND P\_ID= \$pid;

Visitor view own log history

\*parameters required: \$column1 (for ordering, default Name, choice includes Name, Date, Rating), \$order (default ASC, choice includes ASC/DESC)

SELECT Name, Date, Rating FROM VISIT, PROPERTY WHERE P\_ID=ID AND U\_ID=\$username ORDER BY \$column1 \$order;