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CPSC 321
Bowers
Project 5

10/10

Instructions: Do the following within your project team.

1. Write a set of basic SQL queries that you will need to implement your application. For this assignment, focus on those queries that only require basic select-from-where clauses, including those with joins and aggregates.

```
// Necessary to get the specific home that is owned by a certain user
        SELECT home_id
        FROM home
        WHERE user = “CarterKekoa”;

// Used to get every photo album that belongs to a certain user
        SELECT album_name
        FROM album
        WHERE user = “CarterKekoa”;

// Used to get the photo_id of every photo belonging to a certain user
        SELECT photo_id
        FROM photo
        WHERE user = “CarterKekoa”;

// Used to get photo_id of every photo in a certain album
        SELECT photo_id
        FROM contains
        WHERE album = “Face Shots”;

// Used to get the amount of views that a particular photo has
        SELECT views
        FROM photo
        WHERE photo_id = “54321”;

// Used to get the date added of a certain photo
        SELECT date_added
        FROM photo
        WHERE photo_id = “54321”;

// Used to find which album a certain photo belongs to
        SELECT album
```

```
FROM contains
WHERE photo_id = “54321”;
```

// Used to get all photos with more than a certain number of views

```
SELECT photo_id
FROM photo
WHERE views > 10;
```

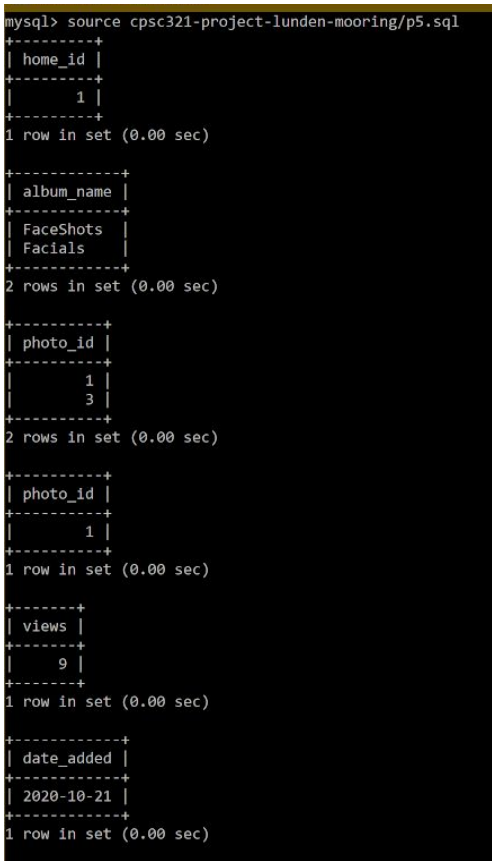
// Used to get all photos that were added by a certain user that have more than a certain amount of views

```
SELECT photo_id
FROM photo
WHERE user = “CarterKekoa” AND views > 10;
```

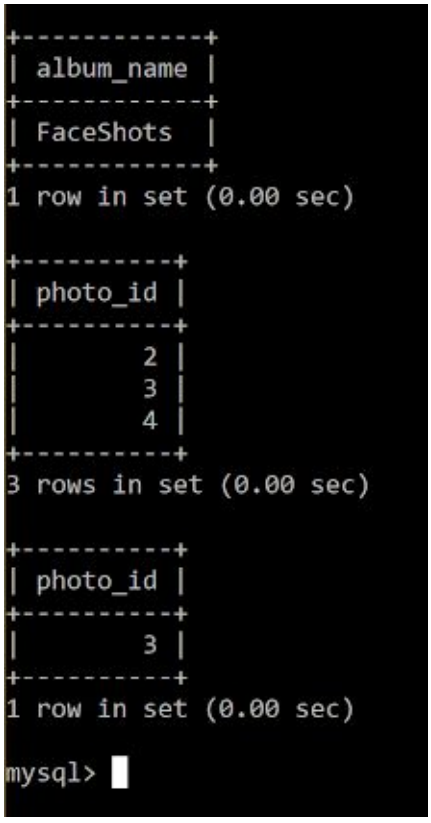
2. For each query, state where in your application the query will be required/used.

Done above.

3. Implement the query in SQL (within a separate p5.sql script), and show that the queries are producing the correct results with respect to your populated database. Note that you may need to add additional rows to your tables to properly test your queries.



```
mysql> source cpsc321-project-lunden-mooring/p5.sql
+---------+
| home_id |
+---------+
|       1 |
+---------+
1 row in set (0.00 sec)

+------------+
| album_name |
+------------+
| FaceShots  |
| Facials    |
+------------+
2 rows in set (0.00 sec)

+----------+
| photo_id |
+----------+
|        1 |
|        3 |
+----------+
2 rows in set (0.00 sec)

+----------+
| photo_id |
+----------+
|        1 |
+----------+
1 row in set (0.00 sec)

+-------+
| views |
+-------+
|     9 |
+-------+
1 row in set (0.00 sec)

+------------+
| date_added |
+------------+
| 2020-10-21 |
+------------+
1 row in set (0.00 sec)
```



Turning in your Work. Submit your answers to the above to your project's GitHub repository

```
/* Necessary to get the specific home that is owned by a certain user */
SELECT home_id
FROM home
WHERE person = "CarterKekoa";

/* Used to get every photo album that belongs to a certain user */
SELECT album_name
FROM photoAlbum
WHERE person = "CarterKekoa";

/* Used to get the photo_id of every photo belonging to a certain user */
SELECT photo_id
FROM photo
WHERE person = "CarterKekoa";

/* Used to get photo_id of every photo in a certain album */
SELECT photo_id
FROM contains
WHERE album_name = "FaceShots";

/* Used to get the amount of views that a particular photo has */
SELECT views
FROM photo
WHERE photo_id = 1;

/* Used to get the date added of a certain photo */
SELECT date_added
FROM photo
WHERE photo_id = 1;

/* Used to find which album a certain photo belongs to */
SELECT album_name
FROM contains
WHERE photo_id = 1;

/* Used to get all photos with more than a certain number of views */
SELECT photo_id
FROM photo
WHERE views > 10;

/* Used to get all photos that were added by a certain user that have more than
a certain amount of views */
SELECT photo_id
FROM photo
WHERE person = "CarterKekoa" AND views > 10;
```