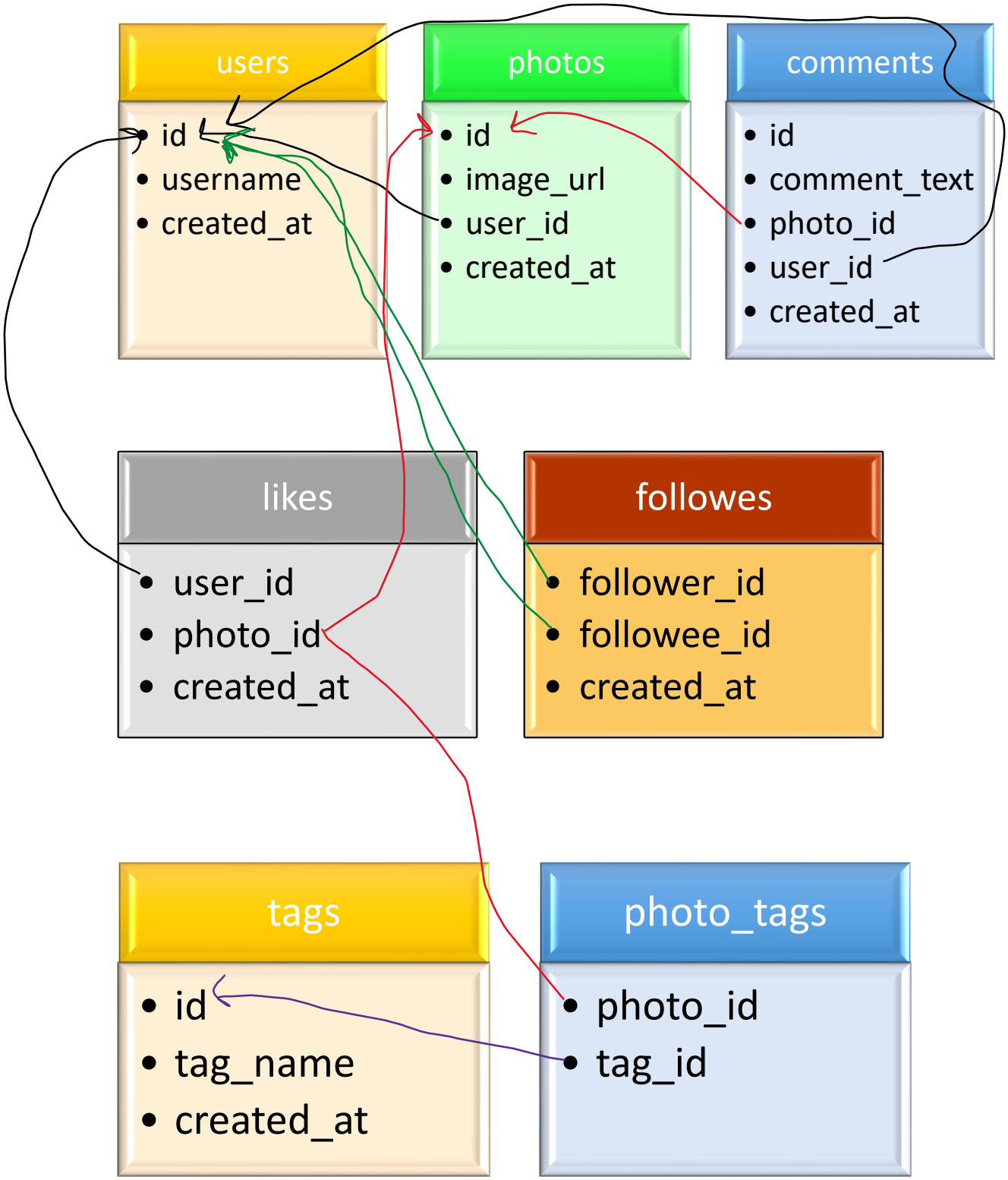
Question-1 as per the schema below for Instagram. Create a database named INSTAGARAM. Then create tables according to the below schema



SORRY FOR MY POOR QUALITY ARROWS BUT I HOPE THE WORK!

Descriptions of tables-

```
mysql> desc users;
+------------+--------------+------+-----+-------------------+----------------+
| Field      | Type         | Null | Key | Default           | Extra          |
+------------+--------------+------+-----+-------------------+----------------+
| id         | int(11)      | NO   | PRI | NULL              | auto_increment |
| username   | varchar(255) | NO   | UNI | NULL              |                |
| created_at | timestamp    | NO   |     | CURRENT_TIMESTAMP |                |
+------------+--------------+------+-----+-------------------+----------------+
3 rows in set (0.01 sec)
```

```
mysql> desc photos;
+------------+--------------+------+-----+-------------------+----------------+
| Field      | Type         | Null | Key | Default           | Extra          |
+------------+--------------+------+-----+-------------------+----------------+
| id         | int(11)      | NO   | PRI | NULL              | auto_increment |
| image_url  | varchar(255) | NO   |     | NULL              |                |
| user_id    | int(11)      | NO   | MUL | NULL              |                |
| created_at | timestamp    | NO   |     | CURRENT_TIMESTAMP |                |
+------------+--------------+------+-----+-------------------+----------------+
4 rows in set (0.00 sec)
```

```
mysql> desc comments;
+--------------+--------------+------+-----+-------------------+----------------+
| Field        | Type         | Null | Key | Default           | Extra          |
+--------------+--------------+------+-----+-------------------+----------------+
| id           | int(11)      | NO   | PRI | NULL              | auto_increment |
| comment_text | varchar(255) | NO   |     | NULL              |                |
| photo_id     | int(11)      | NO   | MUL | NULL              |                |
| user_id      | int(11)      | NO   | MUL | NULL              |                |
| created_at   | timestamp    | NO   |     | CURRENT_TIMESTAMP |                |
+--------------+--------------+------+-----+-------------------+----------------+
5 rows in set (0.00 sec)
```

```
mysql> desc likes;
+------------+-----------+------+-----+-------------------+-------+
| Field      | Type      | Null | Key | Default           | Extra |
+------------+-----------+------+-----+-------------------+-------+
| user_id    | int(11)   | NO   | PRI | NULL              |       |
| photo_id   | int(11)   | NO   | PRI | NULL              |       |
| created_at | timestamp | NO   |     | CURRENT_TIMESTAMP |       |
+------------+-----------+------+-----+-------------------+-------+
3 rows in set (0.00 sec)
```

```
mysql> desc follows;
+-------------+-----------+------+-----+-------------------+-------+
| Field       | Type      | Null | Key | Default           | Extra |
+-------------+-----------+------+-----+-------------------+-------+
| follower_id | int(11)   | NO   | PRI | NULL              |       |
| followee_id | int(11)   | NO   | PRI | NULL              |       |
| created_at  | timestamp | NO   |     | CURRENT_TIMESTAMP |       |
+-------------+-----------+------+-----+-------------------+-------+
3 rows in set (0.00 sec)
```

```
mysql> desc tags;
+------------+-------------+------+-----+-------------------+----------------+
| Field      | Type        | Null | Key | Default           | Extra          |
+------------+-------------+------+-----+-------------------+----------------+
| id         | int(11)     | NO   | PRI | NULL              | auto_increment |
| tag_name   | varchar(255)| YES  | UNI | NULL              |                |
| created_at | timestamp   | NO   |     | CURRENT_TIMESTAMP |                |
+------------+-------------+------+-----+-------------------+----------------+
3 rows in set (0.00 sec)
```

```
mysql> desc photo_tags;
+----------+---------+------+-----+---------+-------+
| Field    | Type    | Null | Key | Default | Extra |
+----------+---------+------+-----+---------+-------+
| photo_id | int(11) | NO   | PRI | NULL    |       |
| tag_id   | int(11) | NO   | PRI | NULL    |       |
+----------+---------+------+-----+---------+-------+
2 rows in set (0.00 sec)
```

Question-2 insert the data into above tables using my git hub repository. Repository name : milestone-4-leanIn & file name is ig_clone_data

Repository link:

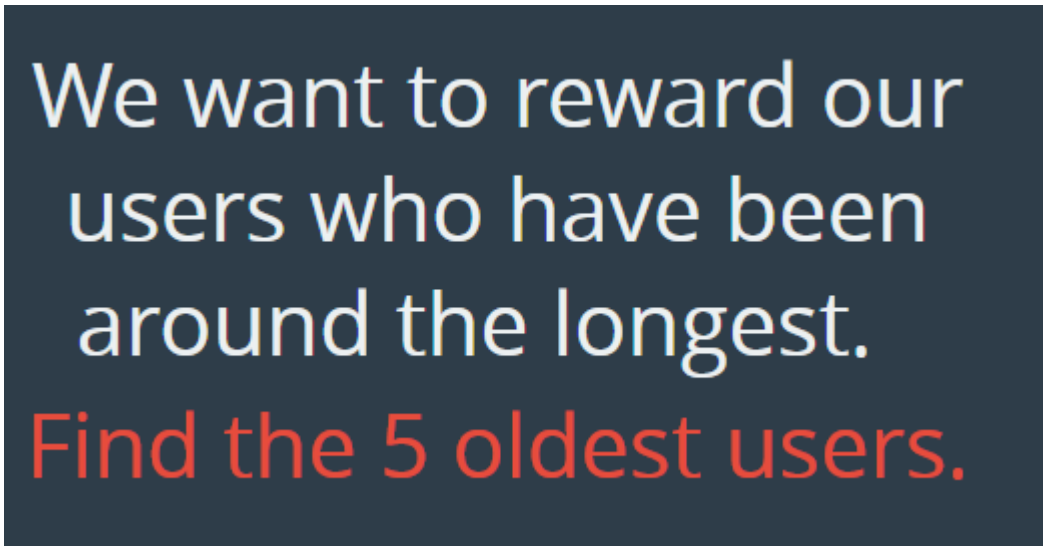
https://github.com/iamsakshii/milestone-4-leanIn.git

File link for insertion:

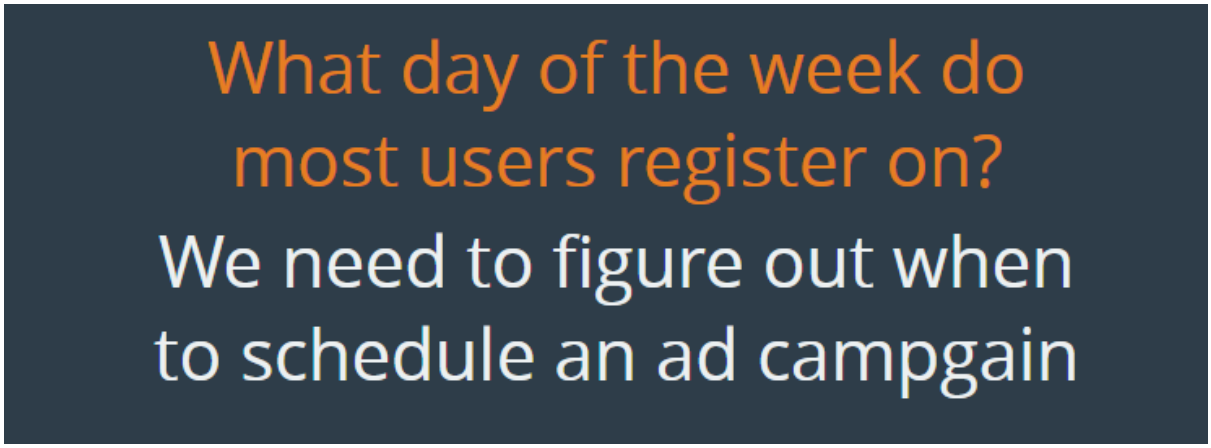
https://github.com/iamsakshii/milestone-4-leanIn/blob/4f9c1895eb52c3fa81b370bf92124b3b51ce9c7c/ig_clone_data.sql

Question-3 perform the following tasks:

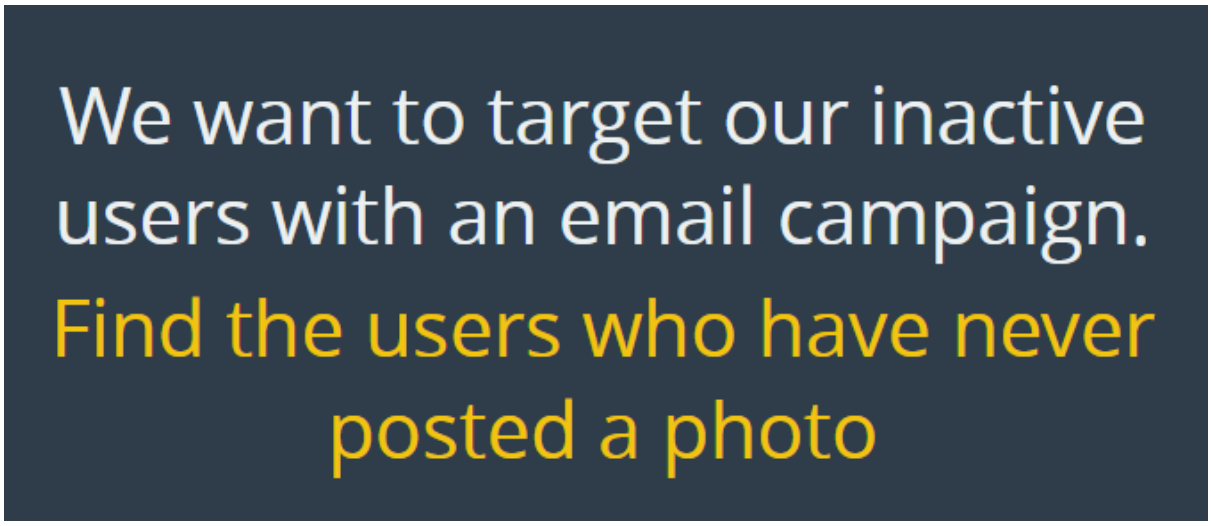
i. First Task:



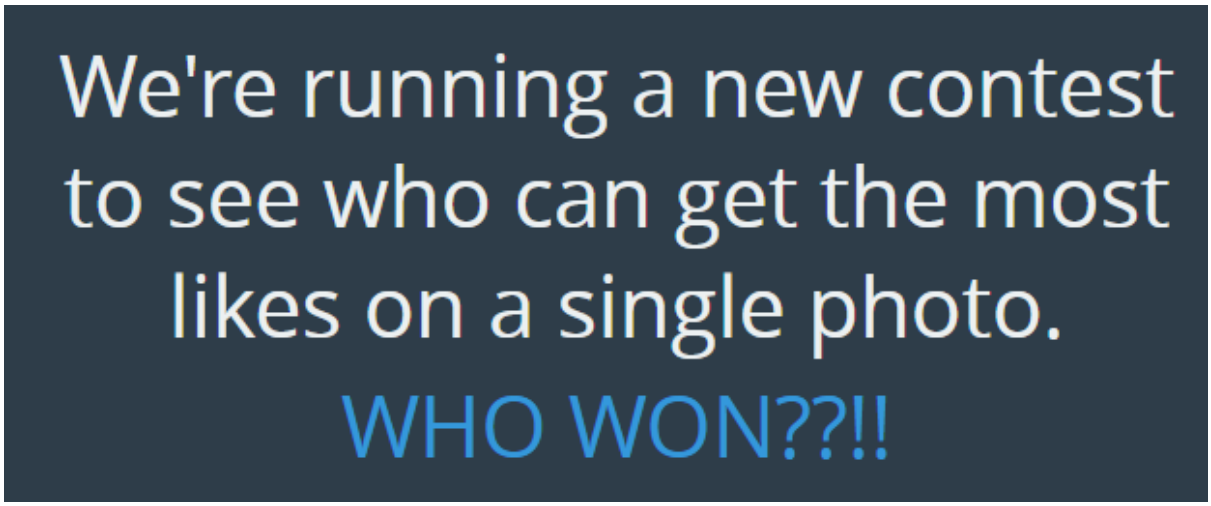
ii. Second Task



iii. Third Task

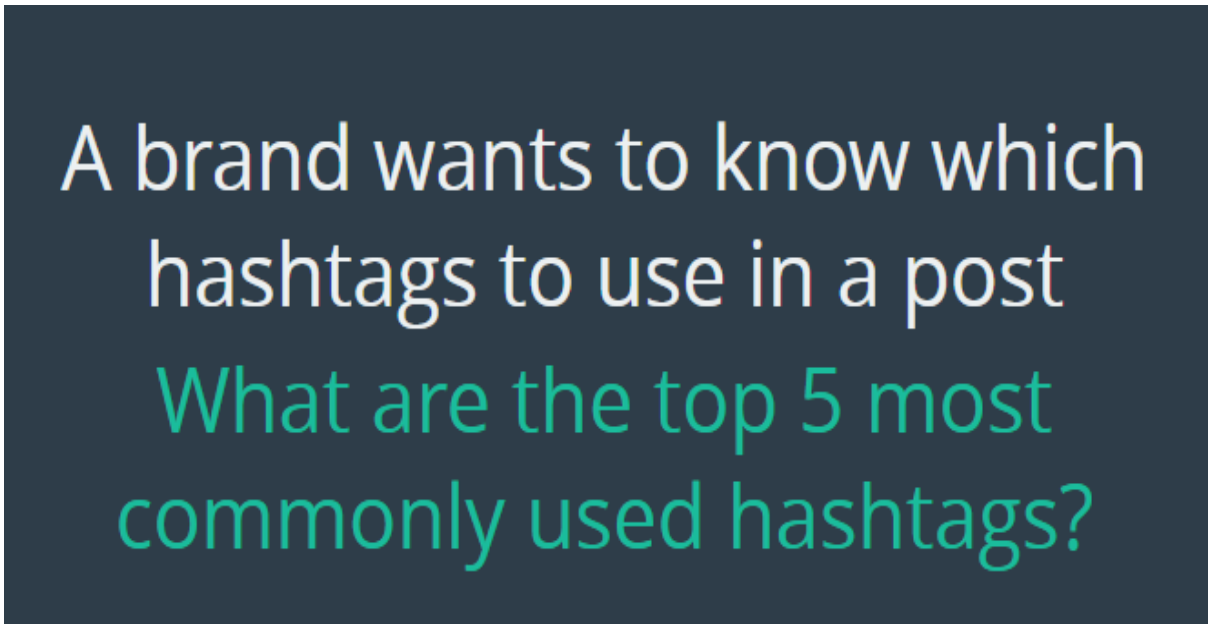


iv. Fourth Task

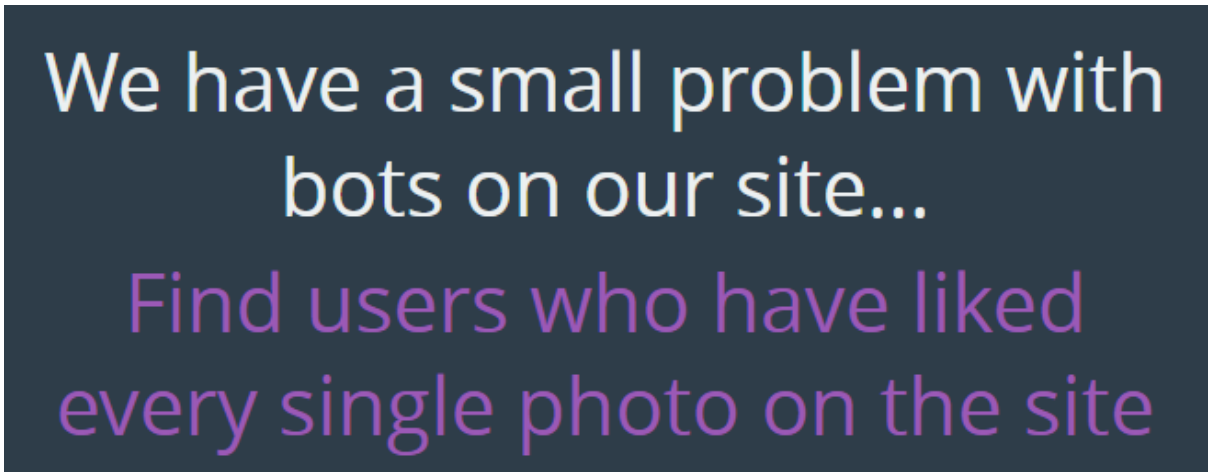


v. Fifth Task

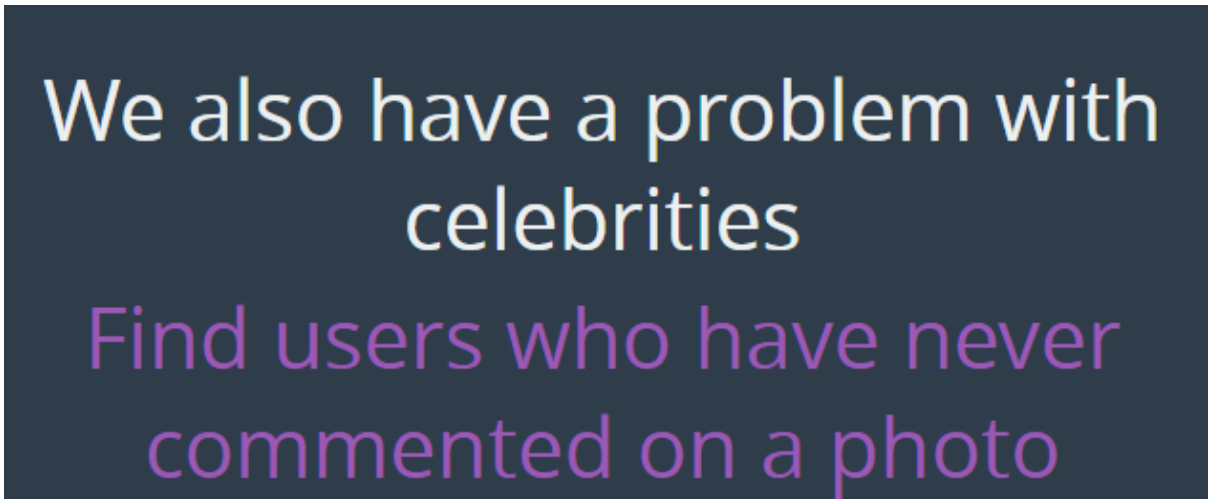
vi. Sixth Task



vii. Seventh Task



viii. Eighth Task



ix. Final Task