Deane - White Box Testing

Database Updating

I tried submitting new entries in a couple of the tables, Plant and PlantSubmission, to see if the database updated correctly.

Plant

Here is the initial database that I had with one plant present:

```
mysql> select * from Plant;
+---------+------------+----------+-------+-------+--------+-------+---------+---------+-----------+
--------------------+---------------------+
| plantId | commonName | division | class | order | family | genus | species | variety | isDeleted |
 created_at          | updated_at          |
+---------+------------+----------+-------+-------+--------+-------+---------+---------+-----------+
--------------------+---------------------+
|       1 | cool plant | p        | l     | a     | n      | t     | s       | !       |         0 |
 2020-05-03 20:38:57 | 2020-05-03 20:38:57 |
+---------+------------+----------+-------+-------+--------+-------+---------+---------+-----------+
--------------------+---------------------+
1 row in set (0.00 sec)

mysql> |
```

The fields are all matching the correct parts of the table and it displays the one plant that I had which is good. After submitting a new plant, you can see that another row has been added to the table and all the fields are displayed and correct as I submitted them.

```
mysql> select * from Plant;
+---------+------------+----------+----------+-----------+------------+-----------+------------+----
--------+-----------+---------------------+---------------------+
| plantId | commonName | division | class    | order     | family     | genus     | species    | var
iety    | isDeleted | created_at          | updated_at          |
+---------+------------+----------+----------+-----------+------------+-----------+------------+----
--------+-----------+---------------------+---------------------+
|       1 | cool plant | p        | l        | a         | n          | t         | s          | !
       |         0 | 2020-05-03 20:38:57 | 2020-05-03 20:38:57 |
|       2 | Dandelion  | Eudicots | Asterids | Asterales | Asteraceae | Taraxacum | Cichorieae | cre
pidinae |         0 | 2020-05-06 21:16:27 | 2020-05-06 21:16:27 |
+---------+------------+----------+----------+-----------+------------+-----------+------------+----
--------+-----------+---------------------+---------------------+
2 rows in set (0.01 sec)

mysql> |
```

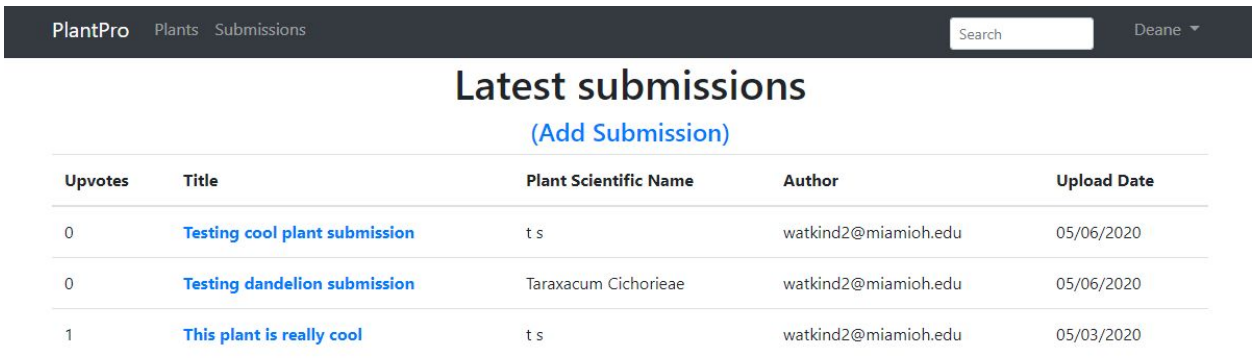
Plant Submission

Here is the initial database with one plant submission that I had done in the past for the plant ‘cool plant’. You can tell the submission is for that plant because the plantId is 1 and the plantId in the previous table for ‘cool plant’ is also one.

```
mysql> select * from PlantSubmissions;
ERROR 1146 (42S02): Table 'PlantPro.PlantSubmissions' doesn't exist
mysql> select * from PlantSubmission;
+------------------+--------+---------+---------+----------+-----------+---------------------------
+------------------------------+---------------------+---------------------+
| plantSubmissionId | userId | plantId | upvotes | latitude | longitude | title
| description                  | created_at          | updated_at          |
+------------------+--------+---------+---------+----------+-----------+---------------------------
+------------------------------+---------------------+---------------------+
|                 1 |      1 |       1 |       1 |        1 |         1 | This plant is really cool
| I really love this cool plant | 2020-05-03 20:42:07 | 2020-05-03 20:42:07 |
+------------------+--------+---------+---------+----------+-----------+---------------------------
+------------------------------+---------------------+---------------------+
1 row in set (0.00 sec)

mysql>
```

As you can see after submitting a couple more entries, the table does update as intended and the plant submissions that I made match up correctly with the correct plant that they are submitting on which I feel is the biggest thing. All the other fields that were submitted also match with the table.

```
mysql> select * from PlantSubmission;
+------------------+--------+---------+---------+----------+-----------+---------------------------
----+-----------------------------------------------+---------------------+---------------------+
| plantSubmissionId | userId | plantId | upvotes | latitude | longitude | title
    | description                                   | created_at          | updated_at          |
+------------------+--------+---------+---------+----------+-----------+---------------------------
----+-----------------------------------------------+---------------------+---------------------+
|                 1 |      1 |       1 |       1 |        1 |         1 | This plant is really cool
    | I really love this cool plant                 | 2020-05-03 20:42:07 | 2020-05-03 20:42:07 |
|                 2 |      1 |       1 |       0 |        1 |         1 | Testing cool plant submiss
ion | I want to see if you update cool plant        | 2020-05-06 21:42:57 | 2020-05-06 21:42:57 |
|                 3 |      1 |       2 |       0 |        1 |         1 | Testing dandelion submissi
on  | I want to see if dandelion submission works | 2020-05-06 21:43:55 | 2020-05-06 21:43:55 |
+------------------+--------+---------+---------+----------+-----------+---------------------------
----+-----------------------------------------------+---------------------+---------------------+
3 rows in set (0.01 sec)

mysql>
```



Remember me

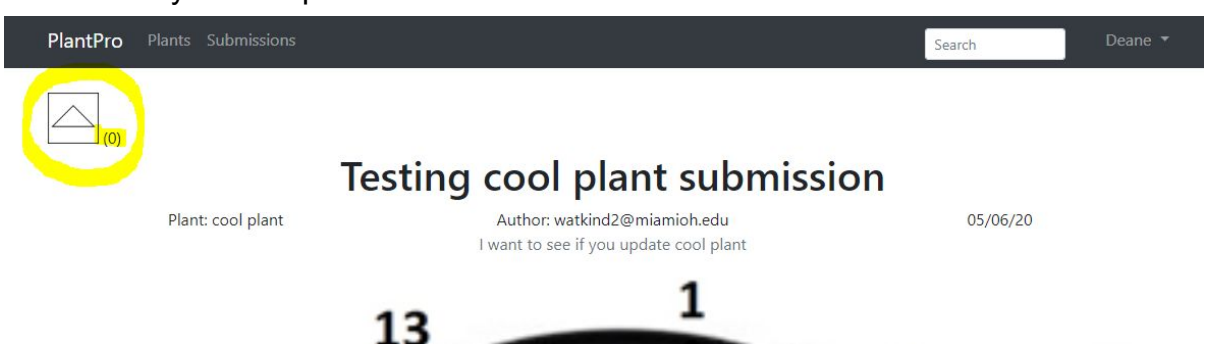
The next round of testing I did was testing whether or not the ‘remember me’ function of the login was working. I was able to test this by checking whether or not the remember_token on the table was returning a code or a null value. I highlighted these in the table in order to make it easier to see.

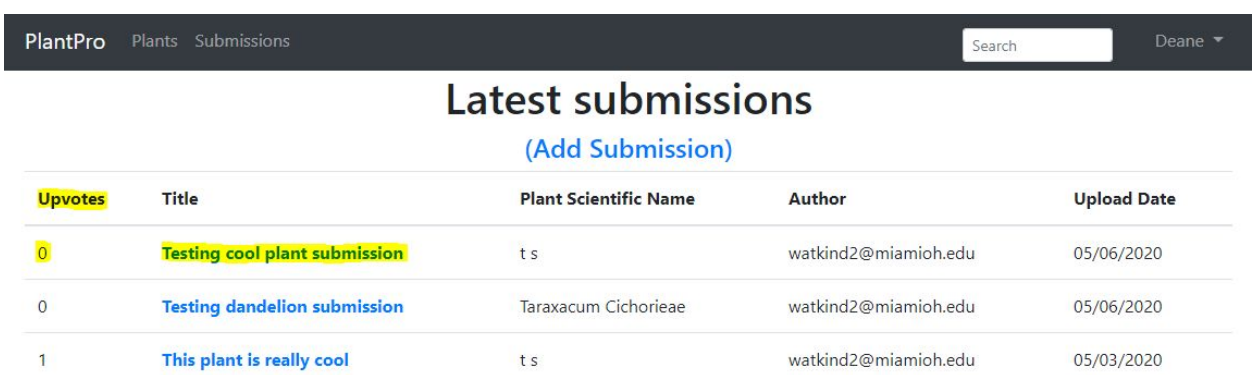
```
mysql> select * from users;
+--------+-----------+----------------------+------------------+----------------------------------
--------------------------+-----------------------------------------------------------------+---------
-----------+---------------------+
| userId | name      | email                | email_verified_at | password
                          | remember_token                                                  | created_
at          | updated_at          |
+--------+-----------+----------------------+------------------+----------------------------------
--------------------------+-----------------------------------------------------------------+---------
-----------+---------------------+
|      1 | Deane     | watkind2@miamioh.edu | NULL              | $2y$10$nYzTmf3P9ts6ad8lA8rB1eiLO9j
hlD4ik.JLPvgTIAYvoOELJ4asi | FLETQXp9wLWySs9kabY9CBDCAx2sBUc53jFYmBdqyTRQugM3NzM4dqgxfr0q | 2020-04-
22 21:59:06 | 2020-04-22 21:59:06 |
|      2 | Deane 2.0 | deane0525@gmail.com  | NULL              | $2y$10$Fk3iXT8z3ERoABfV1IevVenP2lV
0MO2Ejtc6ZwGze4/WdSoiDkXYi | NULL                                                            | 2020-05-
06 21:54:51 | 2020-05-06 21:54:51 |
+--------+-----------+----------------------+------------------+----------------------------------
--------------------------+-----------------------------------------------------------------+---------
-----------+---------------------+
2 rows in set (0.00 sec)

mysql> |
```

As you can see there are 2 users here, the account that I have been using which did have the remember me functionality turned on and a dummy account that I created to test this with the remember me functionality turned off. The one that is turned off has null for the remember_token part of the table so that is working as intended.

Upvote updating correctly

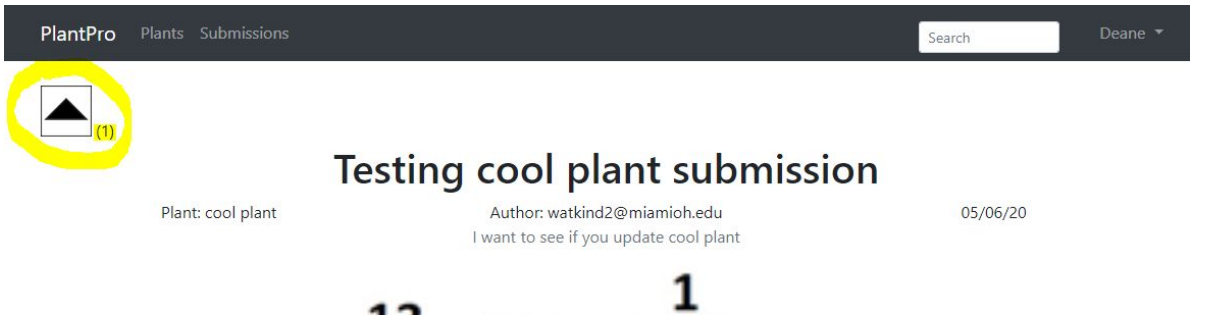
The last thing I was checking was whether or not the upvote values were changing and working as intended when you selected the up arrow on plant submissions. I used my previous plant submission that I created above called: ‘Testing cool plant submission’ which initially had 0 upvotes.

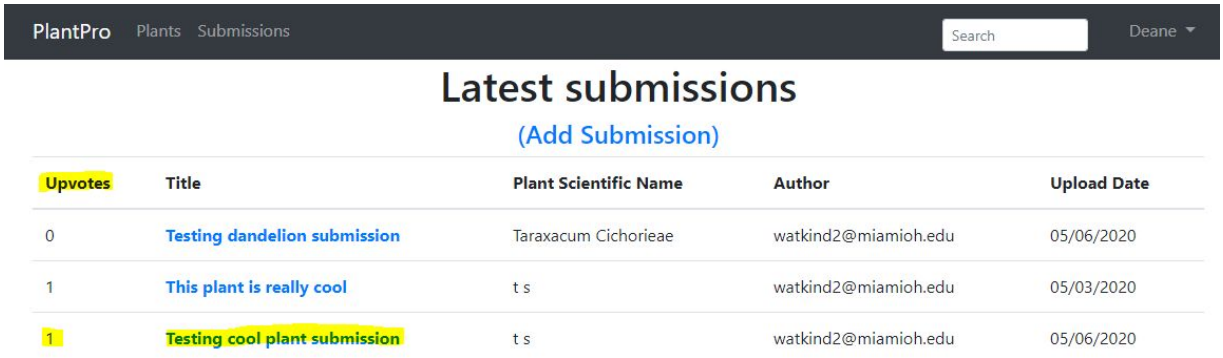




```
mysql> select * from PlantSubmission;
+-------------------+--------+---------+---------+----------+-----------+--------------------------
----+---------------------------------------------+---------------------+---------------------+
| plantSubmissionId | userId | plantId | upvotes | latitude | longitude | title
    | description                                 | created_at          | updated_at          |
+-------------------+--------+---------+---------+----------+-----------+--------------------------
----+---------------------------------------------+---------------------+---------------------+
|                 1 |      1 |       1 |       1 |        1 |         1 | This plant is really cool
    | I really love this cool plant               | 2020-05-03 20:42:07 | 2020-05-03 20:42:07 |
|                 2 |      1 |       1 |       0 |        1 |         1 | Testing cool plant submiss
ion | I want to see if you update cool plant      | 2020-05-06 21:42:57 | 2020-05-06 21:42:57 |
|                 3 |      1 |       2 |       0 |        1 |         1 | Testing dandelion submissi
on  | I want to see if dandelion submission works | 2020-05-06 21:43:55 | 2020-05-06 21:43:55 |
+-------------------+--------+---------+---------+----------+-----------+--------------------------
----+---------------------------------------------+---------------------+---------------------+
3 rows in set (0.00 sec)

mysql> |
```

I then went on my original account and upvoted the post one time. The arrow is colored showing that I upvoted it and it shows my upvote. The submissions display also shows a new upvote as well as the table which updates.

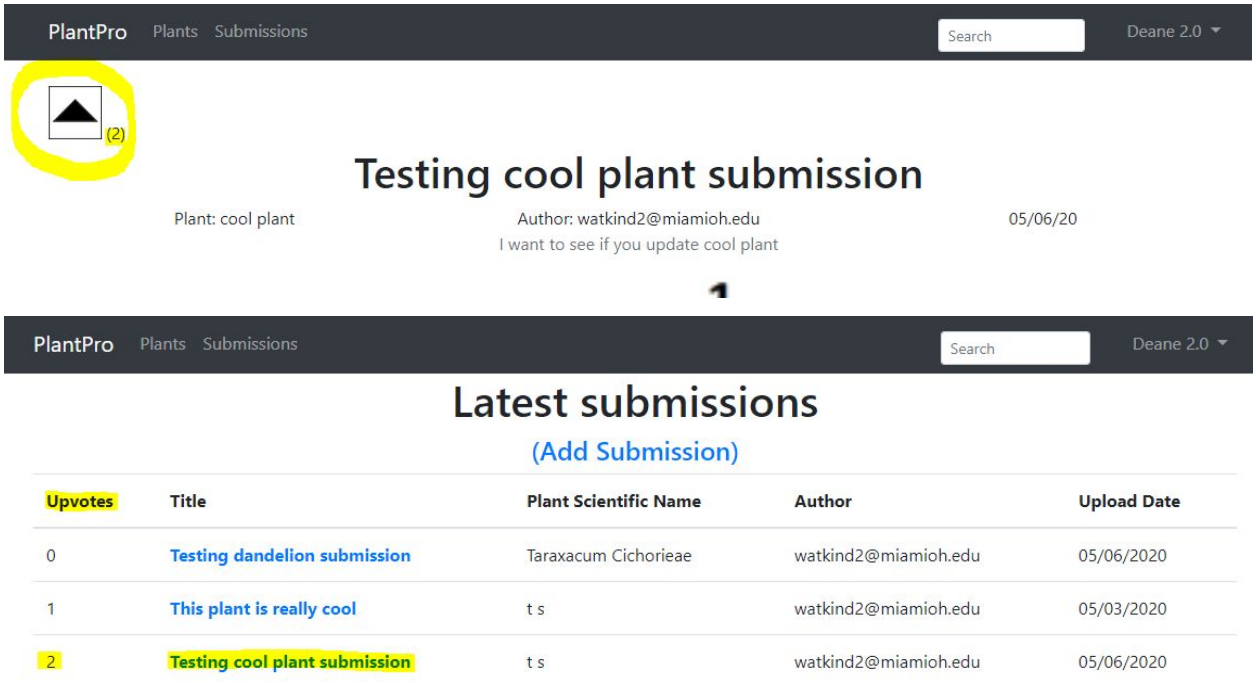


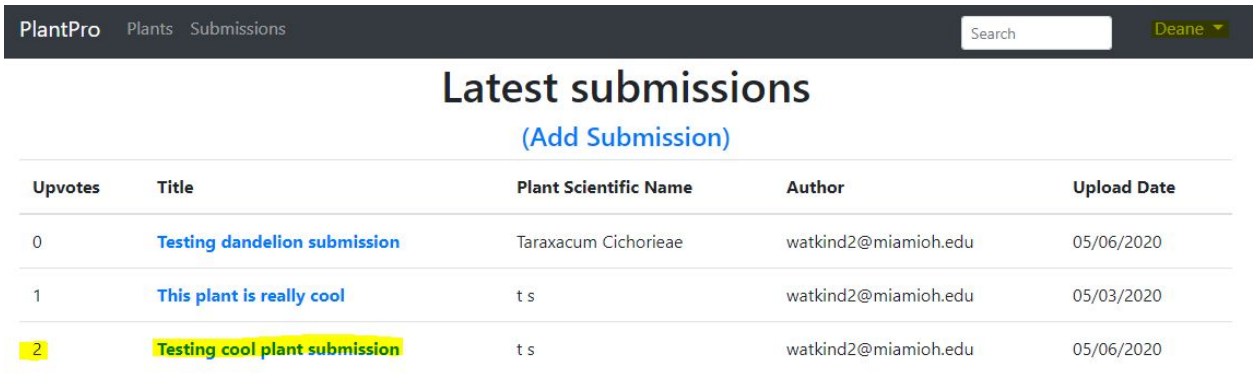



```
mysql> select * from PlantSubmission;
+-------------------+--------+---------+---------+----------+-----------+--------------------------
----+---------------------------------------------+---------------------+---------------------+
| plantSubmissionId | userId | plantId | upvotes | latitude | longitude | title
    | description                                 | created_at          | updated_at          |
+-------------------+--------+---------+---------+----------+-----------+--------------------------
----+---------------------------------------------+---------------------+---------------------+
|                 1 |      1 |       1 |       1 |        1 |         1 | This plant is really cool
    | I really love this cool plant               | 2020-05-03 20:42:07 | 2020-05-03 20:42:07 |
|                 2 |      1 |       1 |       1 |        1 |         1 | Testing cool plant submiss
ion | I want to see if you update cool plant      | 2020-05-06 21:42:57 | 2020-05-06 21:42:57 |
|                 3 |      1 |       2 |       0 |        1 |         1 | Testing dandelion submissi
on  | I want to see if dandelion submission works | 2020-05-06 21:43:55 | 2020-05-06 21:43:55 |
+-------------------+--------+---------+---------+----------+-----------+--------------------------
----+---------------------------------------------+---------------------+---------------------+
3 rows in set (0.00 sec)

mysql> |
```

I wanted to make sure that this wasn't something that only worked for one upvote which is how we've been mostly checking things so I upvoted it on my other account as well. As a little aside, you can see that I am on my other account here and the upvote count is still one but the up arrow is not filled in because I have not upvoted the post yet on this account. This was a good thing to confirm as well.

Everything updated just as intended just like upvoting it once as you can see which is really good because that means the upvotes won't stop after just one.



```
mysql> select * from PlantSubmission;
+------------------+--------+---------+---------+----------+-----------+--------------------------
----+-----------------------------------------+---------------------+---------------------+
| plantSubmissionId | userId | plantId | upvotes | latitude | longitude | title
    | description                             | created_at          | updated_at          |
+------------------+--------+---------+---------+----------+-----------+--------------------------
----+-----------------------------------------+---------------------+---------------------+
|                1 |      1 |       1 |       1 |        1 |         1 | This plant is really cool
    | I really love this cool plant           | 2020-05-03 20:42:07 | 2020-05-03 20:42:07 |
|                2 |      1 |       1 |       2 |        1 |         1 | Testing cool plant submiss
ion | I want to see if you update cool plant  | 2020-05-06 21:42:57 | 2020-05-06 21:42:57 |
|                3 |      1 |       2 |       0 |        1 |         1 | Testing dandelion submissi
on  | I want to see if dandelion submission works | 2020-05-06 21:43:55 | 2020-05-06 21:43:55 |
+------------------+--------+---------+---------+----------+-----------+--------------------------
----+-----------------------------------------+---------------------+---------------------+
3 rows in set (0.00 sec)

mysql>
```

As the last thing, I wanted to show how the upvotes also updated on my original account after upvoting the post on my second account and refreshing the page. So the upvotes are updating across all accounts.