Integration Tests Results:

Tester: Kyle Gould

1. Integration test for the entries and comment function to verify that comments can be made for specific entries and will load with those entries.
    Results: Users can post comments that will properly load with their entries; however, we have found a bug that causes the webpage to become a blank page when the user submits their comments. The comments will still be properly posted. This bug has been resolved.
2. Integration test for how the search class works with the shelter entries. This test will examine how different searches interact with the dog entries table and shelter entries table.
    Results: The search class works fine if you search using a shelters name, but does not seem to work at all if you try to search by city. This has since been resolved.

3. Integration test for how the login, signup, and user classes all work together. This test will verify that users can create an account that is either a normal account, administrator account, or moderator account and then login with that account.
    Results: The bug that caused new users to be unable to log in has been solved and users can now create normal accounts. Administrators are the only users who can give normal accounts moderator or administrator privileges.

Username	Email	level	MAKE MODERATOR	MAKE ADMIN
admin	benjamin@arehart.com	2	This user already has mod privileges!	This user already has admin privileges!
areharbp	areharbp@miamioh.edu	1	This user already has mod privileges!	MAKE ADMIN
kylekj	gouldkj@miamioh.edu	1	This user already has mod privileges!	MAKE ADMIN
santoscw	santoscw@miamioh.edu	1	This user already has mod privileges!	MAKE ADMIN
test1	test@test.com	0	MAKE MOD	MAKE ADMIN

4. Integration test for how the user request class and the administrators approve and deny function works together. This test will verify that users can make requests for new entries which can then be approved or denied by administrators.
Results: The ability for normal users to submit requests for new entries has not been implemented yet, although administrators can still create new entries. As an administrator, I was able to create a new entry for the Chinook breed and the entry was successfully added to the database immediately.

System Tests Results:
Tester: Chris Santos
1. Successfully able to request a new Dog entry from any user account. Successfully able to approve that request from an Admin account.
2. Successfully able to add a new entry to the database from an admin account. Successfully able to add a new comment to a dog entry from a user account. Successfully able to delete comments from moderator account.

Black Box Testing:

Tester: Chris Santos

1. After testing the register and login functionality of the website, it initially resulted in an error. This bug has been fixed and it now successfully allows the creation of a new user, and correctly prevents a user from creating a new account with a username already being used.
2. After testing the search functionality of the website, the site correctly displayed entries when they were searched for. It also correctly displayed nothing when an invalid search term was used.
3. After testing the add entry functionality for admins, it initially resulted in an error. This error has been fixed, it now successfully adds the entry, and the entry can be found using the search functionality.

Grey Box Testing

Tester: Siyi Yu

1. Testing entry table to verify that new entries can be properly added and stored in the most efficient manner. We will do this by creating new dog entries and viewing how they are stored in the entries table.
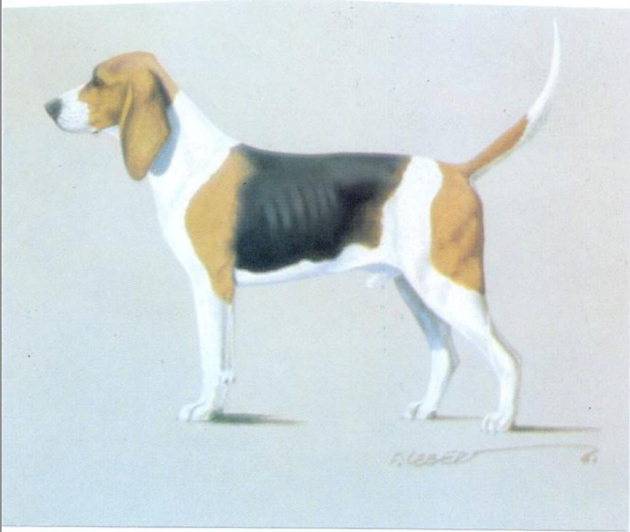
- Add new entry named "Grey box Test" into dog breeds table

```
INSERT INTO `breed` (`id`, `name`, `type`, `country`, `image`) VALUES (NULL, 'Greybox Test', 'test', 'test',
'http://www.fci.be/Nomenclature/Illustrations/028g06.jpg');
```

[Edit inline] [Edit] [Create PHP code]

Results: successfully add into table and display on website

Name	Section	Country	Image
Greybox Test	test	test	

2. We will test the comments table to determine if the comments being created are being stored in the most efficient manner. We will do this by creating new comments and viewing how they are stored in the comments table.

- Add a comment "gray box testing" on website

Nala

Age: 3

Breed: BELGIAN SHEPHERD DOG

Shelter: Licking County Dog Shelter & Adoption Center

User	Time	Comment
greybox	2019-05-05 17:55:14	greybox testing

Results: Comment "grey box testing" is successfully saved into database

+ Options

			id	dog_id	user_id	comment	time
☐	🖉 Edit ﹐ Copy ⊖ Delete		26	1	1	Master Comment 8	2019-05-05 17:46:00
☐	🖉 Edit ﹐ Copy ⊖ Delete		27	1	1	Master Comment 9	2019-05-05 17:49:49
☐	🖉 Edit ﹐ Copy ⊖ Delete		28	8	3	Phone test	2019-05-05 17:51:03
☐	🖉 Edit ﹐ Copy ⊖ Delete		29	8	3	Phone test	2019-05-05 17:51:13
☐	🖉 Edit ﹐ Copy ⊖ Delete		30	1	1	Master Comment 9	2019-05-05 17:51:28
☐	🖉 Edit ﹐ Copy ⊖ Delete		31	1	1	Master Comment 10	2019-05-05 17:51:39
☐	🖉 Edit ﹐ Copy ⊖ Delete		32	9	6	greybox testing	2019-05-05 17:55:14
☐	🖉 Edit ﹐ Copy ⊖ Delete		33	1	1	Master comment idk	2019-05-05 17:55:37

↑ ☐ Check all With selected: 🖉 Edit ﹐ Copy ⊖ Delete 🖩 Export

3. We will test the user table to verify efficiency by creating new user accounts and viewing how they are stored in the user account table.

- Register a user named "grey box" on website

Results: User "grey box" has successfully been saved in user table

+ Options

		uid	username	email	password	level
☐	🖉 Edit ﹐ Copy ⊖ Delete	1	admin	benjamin@arehart.com	$2y$10$dfZiVVvfl0try1XlXf1ey.YPyqeNjXKcTvZkflGA.hA...	2
☐	🖉 Edit ﹐ Copy ⊖ Delete	2	areharbp	areharbp@miamioh.edu	$2y$10$L/f4HPGtoexErc4mjG0lw.AMZ85MtMKIMnZ.d92d85E...	1
☐	🖉 Edit ﹐ Copy ⊖ Delete	3	santoscw	santoscw@miamioh.edu	$2y$10$RrM8m2kmYZSkVCy/kkg7O.yPGWsl8GlzRGWKFafSWbp...	1
☐	🖉 Edit ﹐ Copy ⊖ Delete	4	kylekj	gouldkj@miamioh.edu	$2y$10$ez4btp2Ly6Zb0OzKFLW2Auy.EOQuZKX14dMnV.Dqj/R...	1
☐	🖉 Edit ﹐ Copy ⊖ Delete	5	test1	test@test.com	$2y$10$q/0mjcqxX.T8dTQKBDGl9en783.GvFdLiZOGCC0dTqV...	0
☐	🖉 Edit ﹐ Copy ⊖ Delete	6	greybox	ysyo9118@gmail.com	$2y$10$5VRLqtQrPZYbOkVGxWedA.H3ddgWOrrsP7RTF.b0DF0...	0

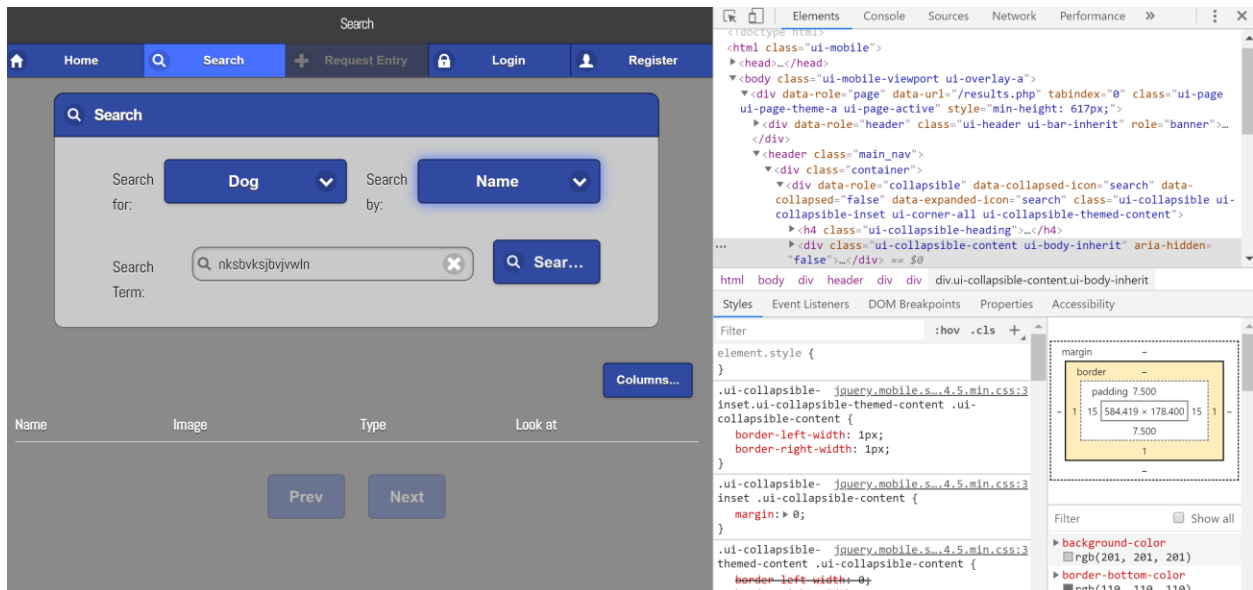↑ ☐ Check all With selected: 🖉 Edit ﹐ Copy ⊖ Delete 🖩 Export

White Box Testing
Tester: Kyle Gould

1. We will test the search function by performing searches and viewing the code to see how searches are generated. We will use these observations to determine if any entries are being excluded from a search when they should not be.

Results: Started by performing a blank search for all categories of the search function to verify that this would load all of the results in those specific tables. The search function properly loaded all entries in the tables being called.
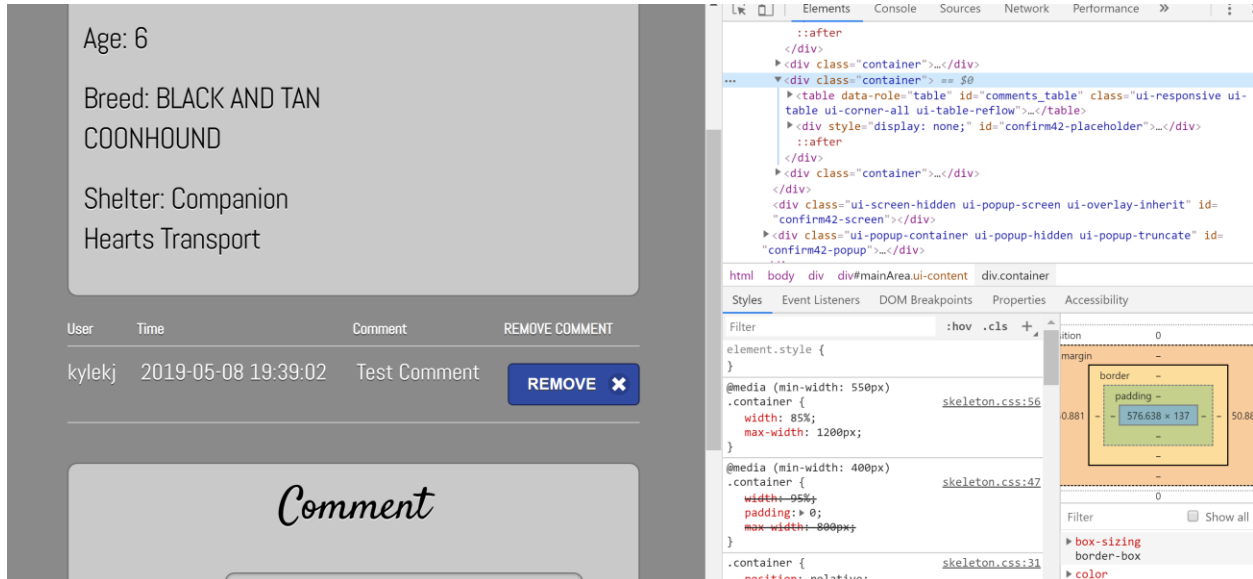Next, I searched for the dog breed 'Australian Terrier' to ensure the search engine would load that entry and not entries that did not match with my search criteria. The search function worked properly and only displayed the entry I had searched for.

Next, I performed a nonsensical search that should result in the search function not displaying any entries. This also worked with the search not displaying any entries.
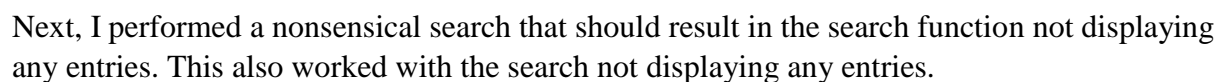
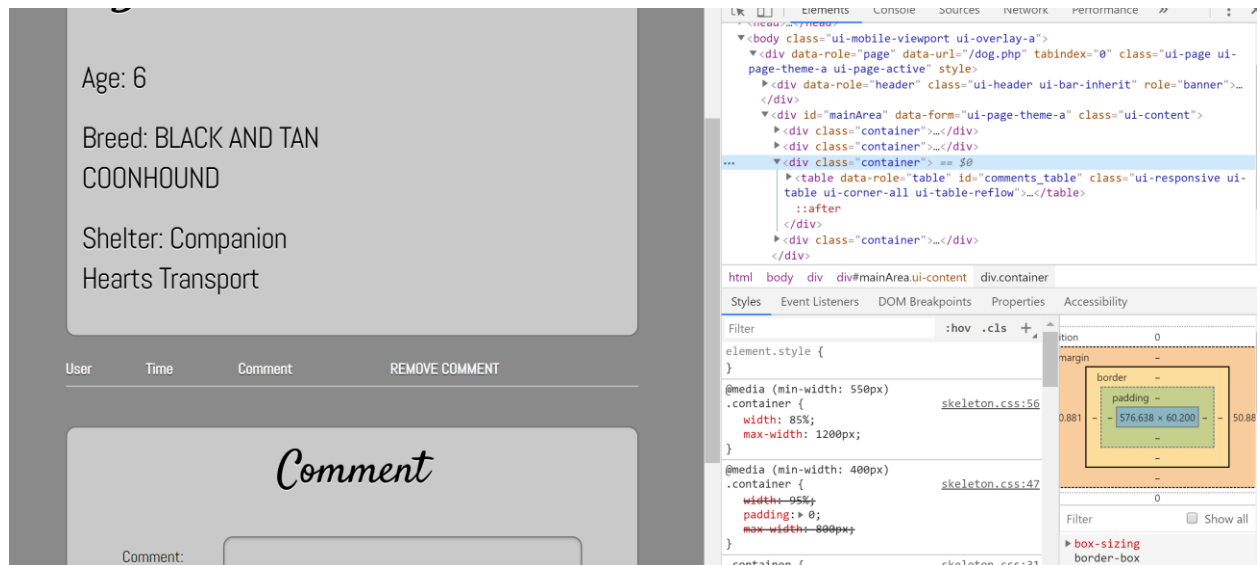**2**. We will test the moderator`s ability to delete comments and that deleted comments are properly removed from the comments table and are no longer linked to their entry.

Results: Logged in as a user with moderator privileges and added a comment to a dog entry and then removed it. The comment was properly added and properly deleted.

Age: 6

Breed: BLACK AND TAN COONHOUND

Shelter: Companion Hearts Transport

User	Time	Comment	REMOVE COMMENT

Comment

Comment:

3. We will test the administrator`s ability to add new entries and verify that those entries are properly stored in the entries table and are accounted for in searches.

Results: Logged in as a user with administrator privileges, added a new entry then searched for it. The entry was properly added and showed up when it was searched for.

Add Entries   User Management

Add Breed

Name: Bernese Mountain Dog

Section: Breed

Country: Switzerland

Image Link: http://www.fci.be/Nomenclature/Illustrations/045g02.jpg

Submit

Search for: **Breed** ▾

Search by: **Name** ▾

Search Term: 🔍 Bernese Mountain Dog ✕

🔍 Sea...

Columns...

Name	Image	Type	Look at
BERNESE MOUNTAIN DOG		Swiss Mountain- and Cattledogs	Look At
Bernese Mountain Dog		Breed	Look At

Elements Console Sources Network Performance » ⋮ ▶

```
<!doctype html>
<html class="ui-mobile">
 ▶<head>…</head>
 ▼<body class="ui-mobile-viewport ui-overlay-a">
   ▼<div data-role="page" data-url="/results.php" tabindex="0" class="ui-page
   ui-page-theme-a ui-page-active" style>
     ▶<div data-role="header" class="ui-header ui-bar-inherit" role="banner">…
     </div>
   </div>
   ▶<header class="main_nav">…</header>
 ... ▼<div id="mainArea" data-form="ui-page-theme-a" class="ui-content"> == $0
     ▶<div style="display: none;" id="breed_table-popup-placeholder">…</div>
       <a href="#breed_table-popup" class="ui-table-columntoggle-btn ui-btn ui-
       btn-a ui-corner-all ui-shadow ui-mini" data-rel="popup">Columns...</a>
     ▼<table data-role="table" id="breed_table" data-mode="columntoggle"
     class="ui-responsive ui-table ui-corner-all ui-table-columntoggle">
```

html body div.ui-page.ui-page-theme-a.ui-page-active div#mainArea.ui-content

Styles Event Listeners DOM Breakpoints Properties Accessibility

Filter   :hov .cls + ▸

```
element.style {
}
.ui-content {               jquery.mobile.s….4.5.min.css:3
  border-width: ▸ 0;
  overflow: ▸ visible;
  overflow-x: hidden;
  padding: ▸ 1em;
}
div {                    user agent stylesheet
  display: block;
}
```

Inherited from div.ui-page.ui-page-theme-a.ui-pa…

margin
  border
    padding   15
    15 678.400 × 348.475 15
        15

Filter   ☐ Show all
▸ border-bottom-width