- **Who:** Frederik Lohner, Austin Holler, Tristan Hill, Marvin Tann
- **Title:** TA/LA Tracker
- **Vision:** A single place, mobile and web for you to visit in order to get all relevant information about your TAs for you.
- **Automated Tests:** To automatically test our PHP-to-mysql interface, we used the unit testing framework PHPUnit (https://phpunit.de/). Running the tests requires inserting the test sql data from our TADatabase.sql (being careful that your sql server matches up with to_json.php in terms of password and the name of the database) and then simply running 'phpunit to_json_test.php'. Naturally, PHP (specifically PHP 5.6) and PHPUnit must be properly installed before the tests will run--instructions to install both can be found in the top comments of to_json.php and to_json_test.php. The test file currently tests all the functions from to_json.php, and all tests currently pass with the occasional exception caused by the SQL server's data being altered from its initial state by a broken test, which requires the server to be reset to the data from TADatabase.sql in order for the test to pass again (running the tests immediately after using TADatabase.sql as the source and not altering any of the sql data should not avoid this program).

- **User Acceptance Tests:**

Project Name: TA/LA Tracker
Test Case 1

Test Case ID: UAT1	Test Designed by: Marvin Tann
Test Priority (Low/Medium/High): Medium	Test Designed date: 11/11/15
Module Name: TA/LA Account Creation	Test Executed by:
Test Title: Verify Account Creation Success	Test Execution date:
Description: Should allow user to create an account that works as intended	
Pre-condition: must have a @coloadol.edu email account	
Dependencies:	

Step	Test Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to create an account page		User should be able to create an account			
2	provide valid user name					
3	provide valid @colorado.edu email account					
4	provide a password		account created			

Post-conditions: The user has successfully created an account and should be registered with the site. Their account should show up in the database.

Project Name: TA/LA Tracker
Test Case 2

Test Case ID: UAT2	Test Designed by: Marvin Tan
Test Priority (Low/Medium/High): Medium	Test Designed date: 11/11/15
Module Name: TA/LA Login	Test Executed by:
Test Title: Verify Successful Login	Test Execution date:

Description: If UAT1 has passed we will test to see if logging into said created account is successful or not	
Pre-condition: Must have created an account with a username and password	
Dependencies: Dependant on UAT1, cannot perform this test if UAT1 fails	

Step	Test Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to login page		Should be able to login			
2	Enter username					
3	Enter password		Login successful			

Post-conditions: Should remain logged in until logging out or closing out the page, unless elected to stay logged in. The login should be recorded in the database. Actions taken during log in should also be logged into the database.

Project Name: TA/LA Tracker	
Test Case 3	
Test Case ID: UAT3	**Test Designed by:** Marvin Tann
Test Priority (Low/Medium/High): High	**Test Designed date:** 11/11/15
Module Name: TA/LA Search	**Test Executed by:**
Test Title: Verify Search Behaves as Expected	**Test Execution date:**
Description: Search functionality should display results as expected using various options and filters	
Pre-condition: Must be in a search box to search or one of the search pages	
Dependencies:	

Step	Test Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)	Notes
1	Go to search box		Able to type into the box			
2	Perform General Search (Default should be by name)		Names of TA/LAs should be listed matching or closely matching the search query			
3	Perform Search by every other option		Should display Class names if by class, Department names if by Department, etc			
4	Navigate to Search Page(s)		Should display properly with enlarged options and search box			
5	Perform steps 2 and 3 on this page		Should behave the same as in steps 2 and 3			

Post-conditions: Searches should be logged in the database and if user was logged in while searching searches should be remembered

Project Name: TA/LA Tracker	
Test Case 4	
Test Case ID: UAT4	**Test Designed by:** Marvin Tann
Test Priority (Low/Medium/High): High	**Test Designed date:** 11/11/15
Module Name: Links	**Test Executed by:**
Test Title: Verify Links Navigate Correctly	**Test Execution date:**
Description: Test to determine if any links are bad or behave strangely	

Pre-condition: Must be on Website	
Dependencies:	

Step	Test Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)	Notes
1	Go to Website		Should Navigate to Website			
2	Navigate around by clicking around		Should navigate the user to where the link says it should take them			
3	Perform back navigation by navigating backwards		Should go back to home screen			checks if both forwards and backwards navigation behaves correctly
4	Perform a search and check if all links behave correctly		All links should behave correctly (if searched by TA/LA name should display clickable names that link directly to TA/LA pages) (if seached by department should display departments that lead to a list of classes which then further leads to a list of TA/LAs for that class which then should go to their respective pages)			

Post-conditions: User activity should be logged

Project Name: TA/LA Tracker	
Test Case 5	
Test Case ID: UAT5	**Test Designed by:** Marvin Tann
Test Priority (Low/Medium/High): High	**Test Designed date:** 11/11/15
Module Name: TA/LA Pages	**Test Executed by:**

Test Title: Proper Display of TA/LA info pages	**Test Execution date:**
Description: Check to see if the TA/LA pages display correctly	
Pre-condition: Must be on Website	
Dependencies:	

Step	Test Steps	Test Data	Expected Results	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to a TA/LAs profile page		Page should display correctly showing all information			
2	Go to several different pages to see that they all are fine		Each page should display correctly			

Post-conditions: User activity should be logged

- **VCS:** Github, https://github.com/FredLoh/SoftwareEngineering3308