



Part 6 Final Submission

CRYPTOGEAR

TEAM MEMBERS

JOSE CANIZARES

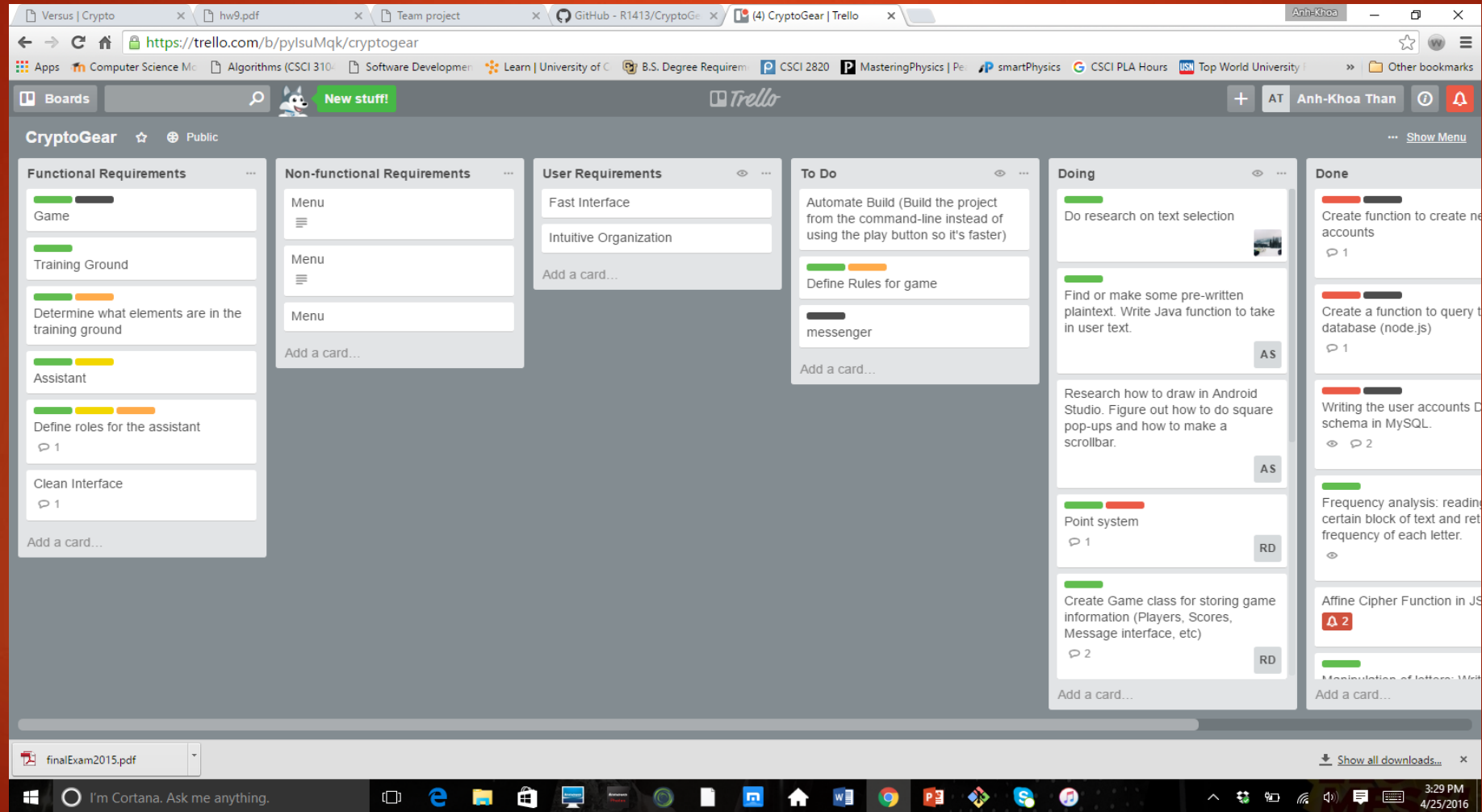
RAYMOND DUNCAN

SAYED SARDER

ANH-KHOA THAN

TRELLO

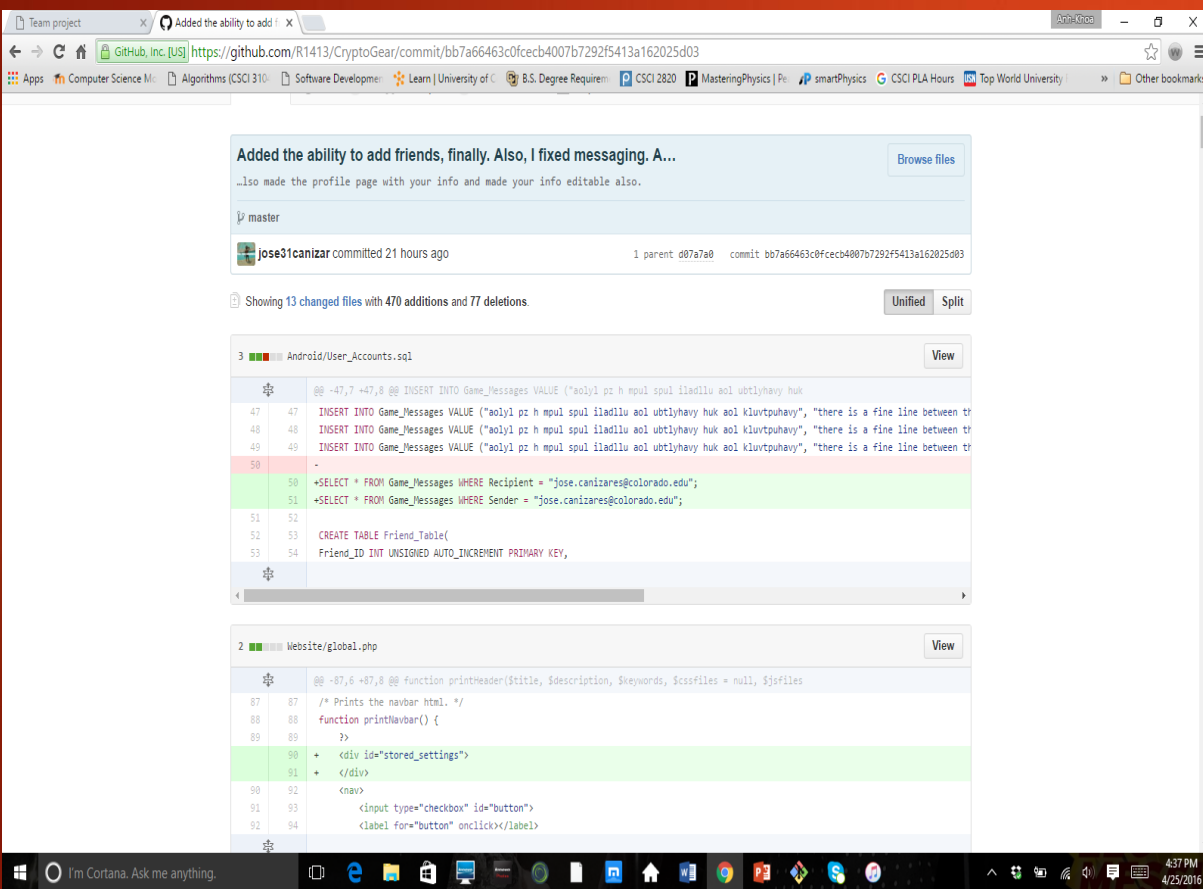
► LINK: <https://trello.com/b/pylsuMqk/cryptogear>



LINK TO OUR GITHUB REPOSITORY

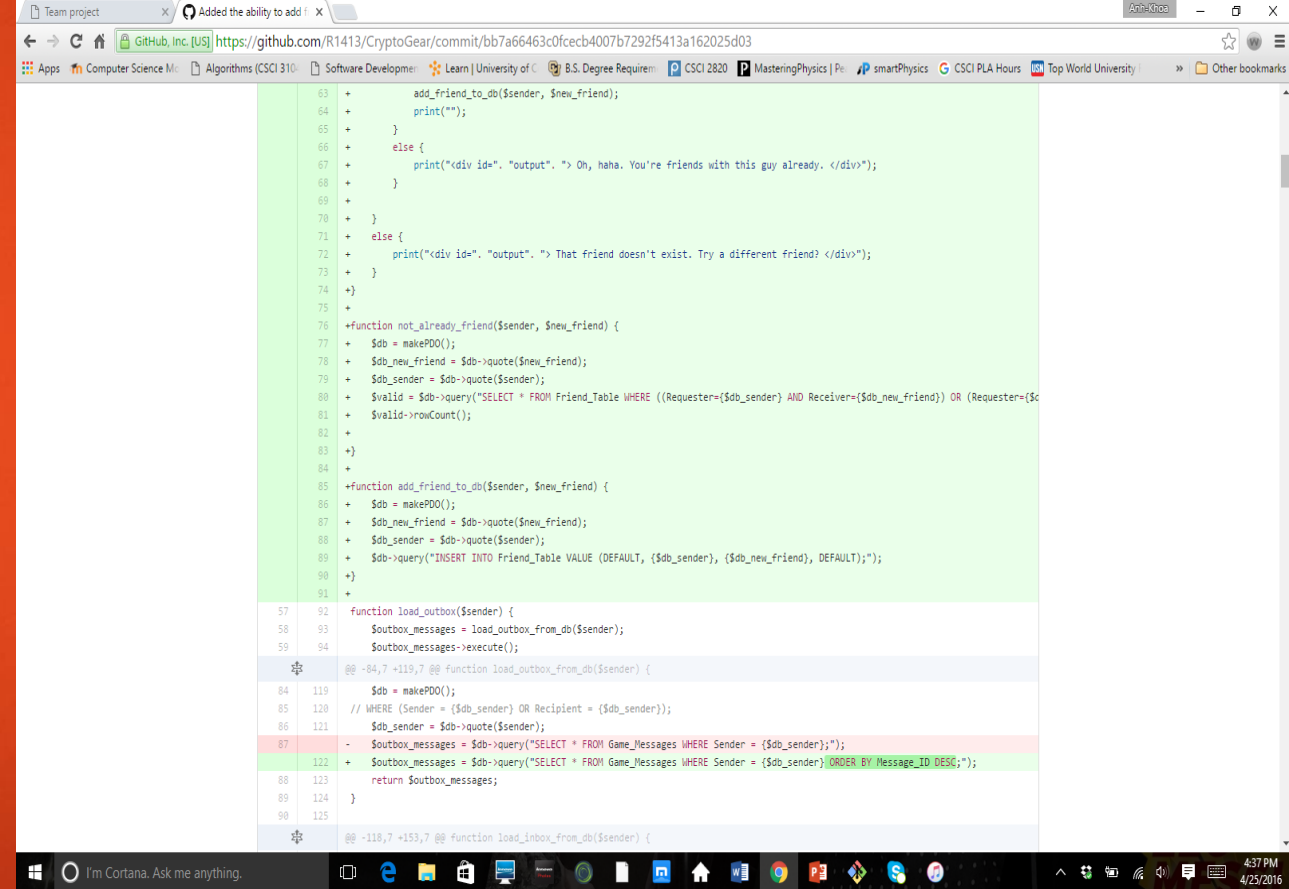
- ▶ <https://github.com/R1413/CryptoGear>
- ▶ LINK TO OUR README:
<https://github.com/R1413/CryptoGear/blob/master/Android/README.md>

SCREENSHOTS OF JOSE CANIZARES' CONTRIBUTION



The screenshot shows a GitHub commit page for a repository named 'CryptoGear'. The commit message is 'Added the ability to add friends, finally. Also, I fixed messaging. A...'. The commit was made by 'jose3icanizar' 21 hours ago. The commit details show 13 changed files with 470 additions and 77 deletions. The files are listed in a table with columns for file name, line numbers, and code snippets. The files are 'Android/User_Accounts.sql' and 'Website/global.php'.

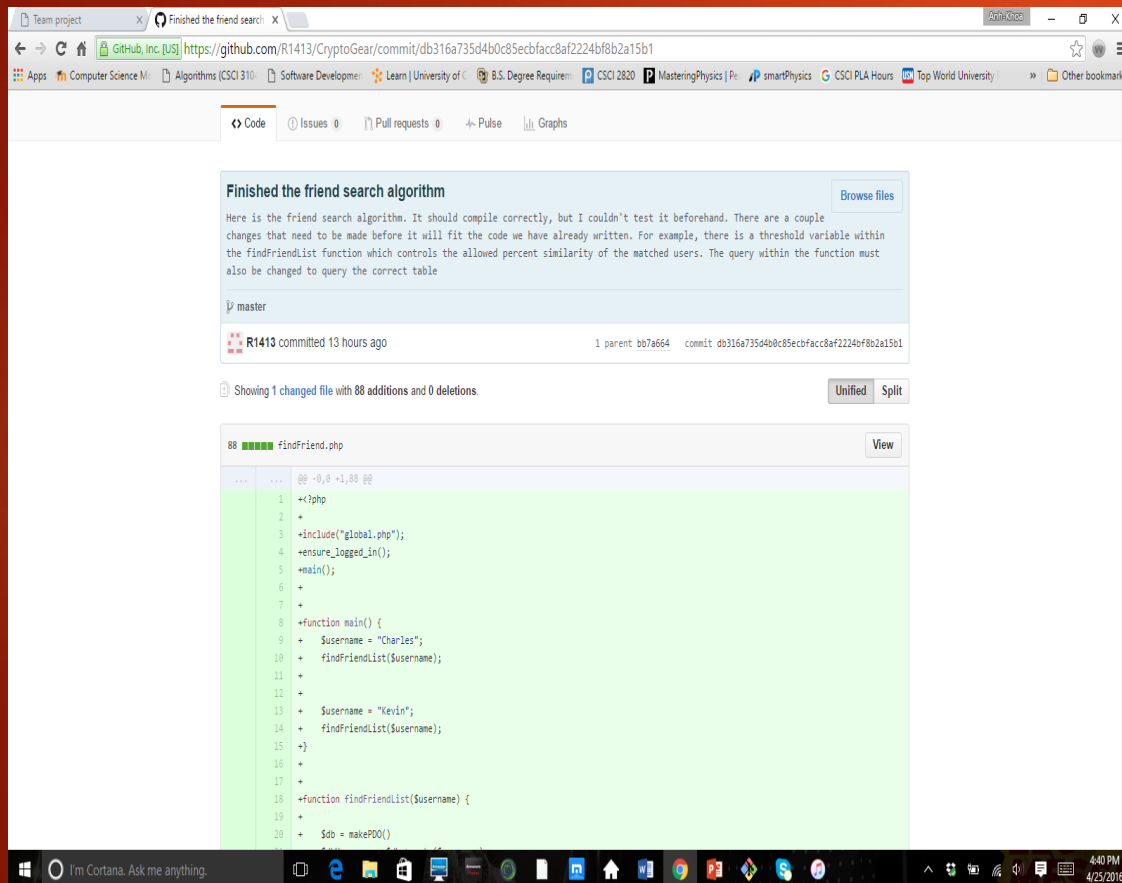
File Name	Line Numbers	Code Snippets
Android/User_Accounts.sql	47, 48, 49, 50, 51, 52, 53, 54	<pre>@@ -47,7 +47,8 @@ INSERT INTO Game_Messages VALUE ("aolyl pz h mpul spul iladllu aol ubtlyhavy huk INSERT INTO Game_Messages VALUE ("aolyl pz h mpul spul iladllu aol ubtlyhavy huk aol klvutpuhavy", "there is a fine line between t INSERT INTO Game_Messages VALUE ("aolyl pz h mpul spul iladllu aol ubtlyhavy huk aol klvutpuhavy", "there is a fine line between t INSERT INTO Game_Messages VALUE ("aolyl pz h mpul spul iladllu aol ubtlyhavy huk aol klvutpuhavy", "there is a fine line between t - +SELECT * FROM Game_Messages WHERE Recipient = "jose.canizares@colorado.edu"; +SELECT * FROM Game_Messages WHERE Sender = "jose.canizares@colorado.edu"; + CREATE TABLE Friend_Table(Friend_ID INT UNSIGNED AUTO_INCREMENT PRIMARY KEY,</pre>
Website/global.php	87, 88, 89, 90, 91, 92, 93, 94	<pre>@@ -87,6 +87,8 @@ function printHeader(\$title, \$description, \$keywords, \$cssfiles = null, \$jsfiles /* Prints the navbar.html */ function printNavbar() { >> + <div id="stored_settings"> + </div> <nav> <input type="checkbox" id="button"> <label for="button" onclick=""></label></pre>



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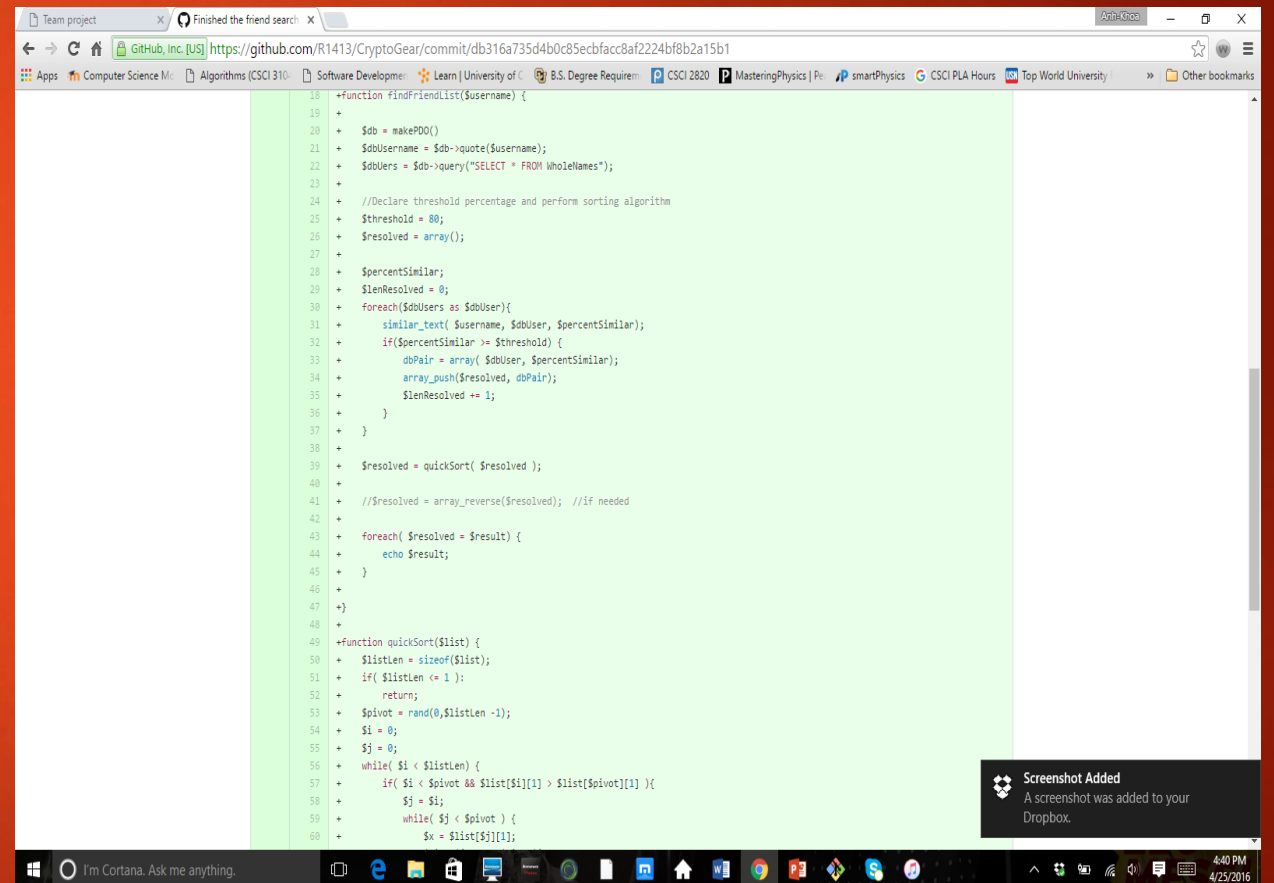
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SCREENSHOTS OF RAYMOND DUNCAN'S CONTRIBUTION



This screenshot shows a GitHub commit page for a repository named 'CryptoGear'. The commit is titled 'Finished the friend search algorithm' and was made by user 'R1413' 13 hours ago. The commit message states: 'Here is the friend search algorithm. It should compile correctly, but I couldn't test it beforehand. There are a couple changes that need to be made before it will fit the code we have already written. For example, there is a threshold variable within the findFriendList function which controls the allowed percent similarity of the matched users. The query within the function must also be changed to query the correct table'. The commit shows 1 changed file with 88 additions and 0 deletions. The file 'findFriend.php' is highlighted, showing PHP code for a main function and a findFriendList function. The code includes database connections, user authentication, and a search algorithm that uses a threshold variable to filter results based on percent similarity.

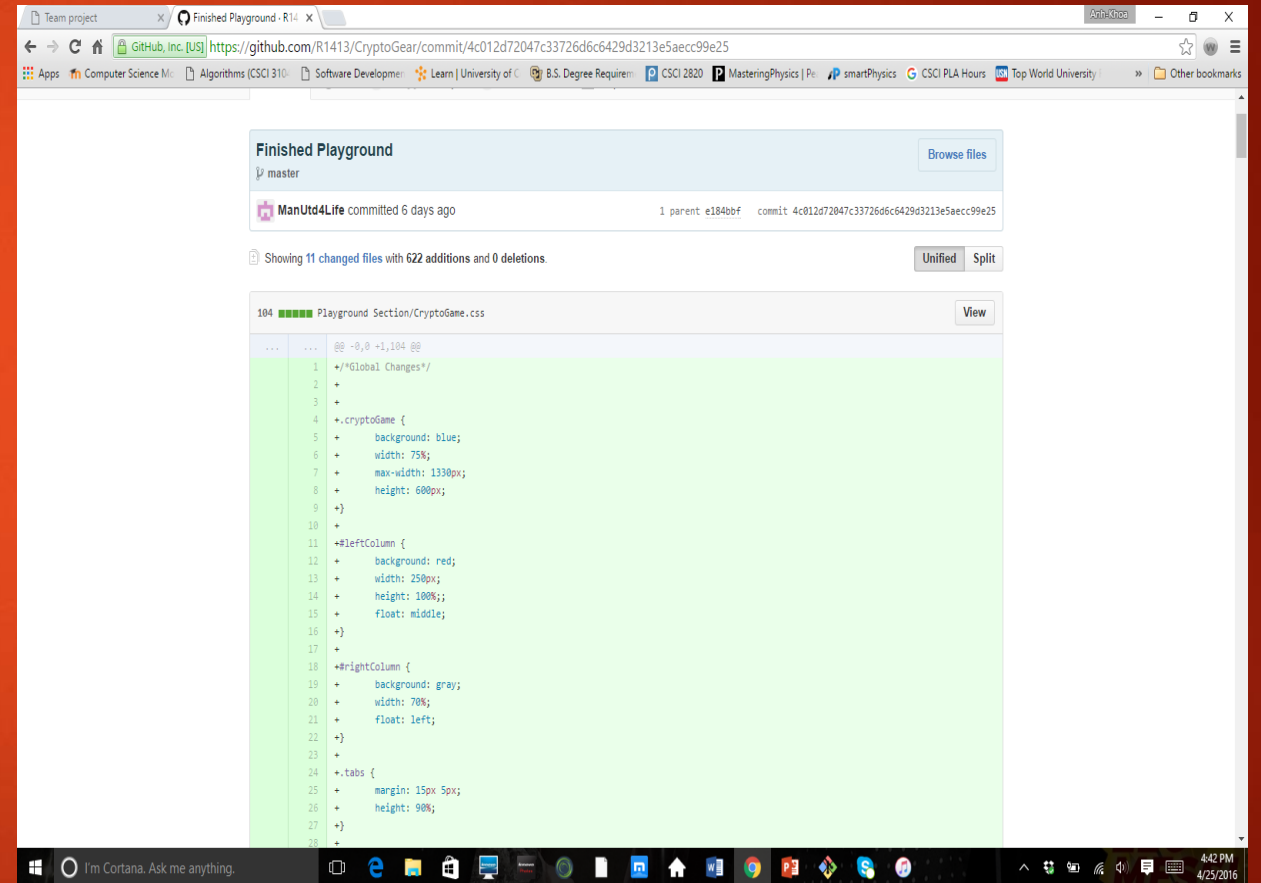
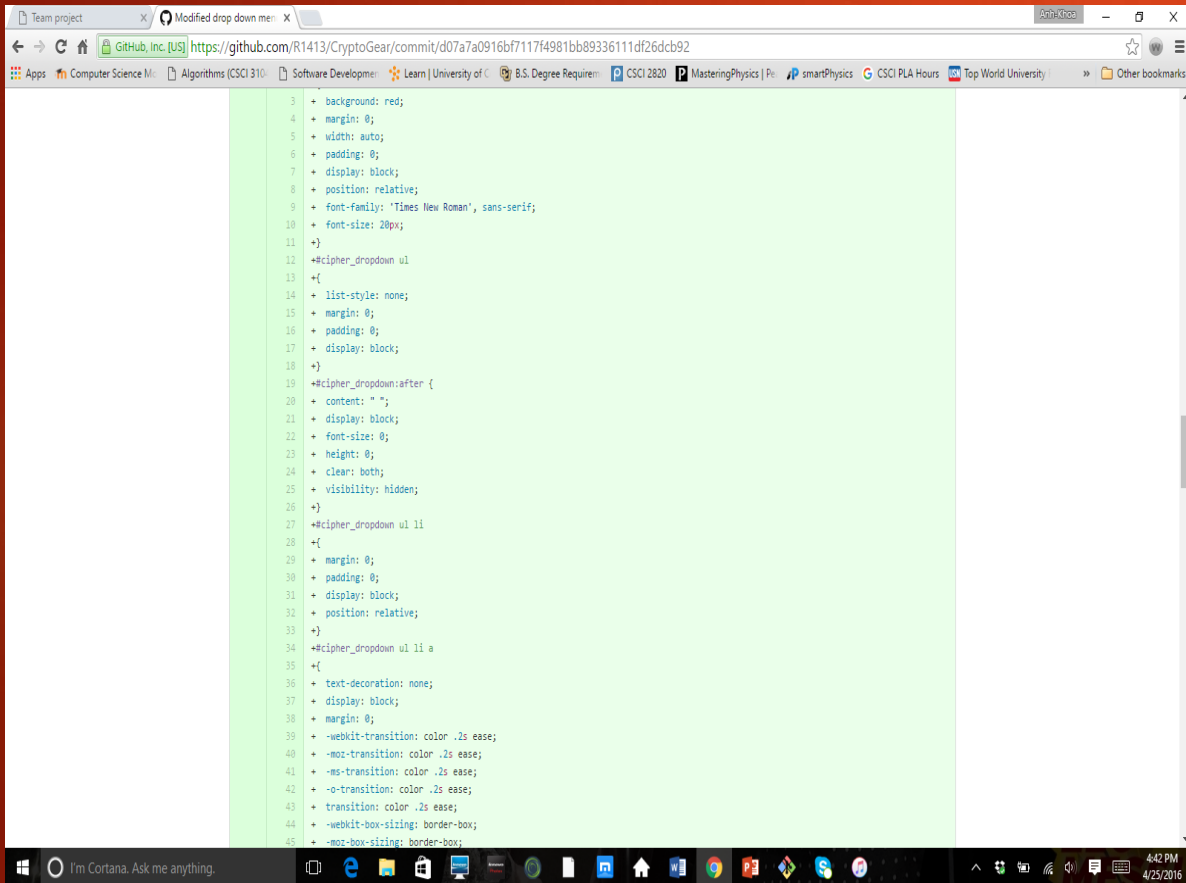
```
1 <?php
2 +
3 +include("global.php");
4 +ensure_logged_in();
5 +main();
6 +
7 +
8 +function main() {
9 +   $username = "Charles";
10 +   findFriendList($username);
11 +
12 +   $username = "Kevin";
13 +   findFriendList($username);
14 +}
15 +
16 +
17 +
18 +function findFriendList($username) {
19 +
20 +   $db = new PDO();
```



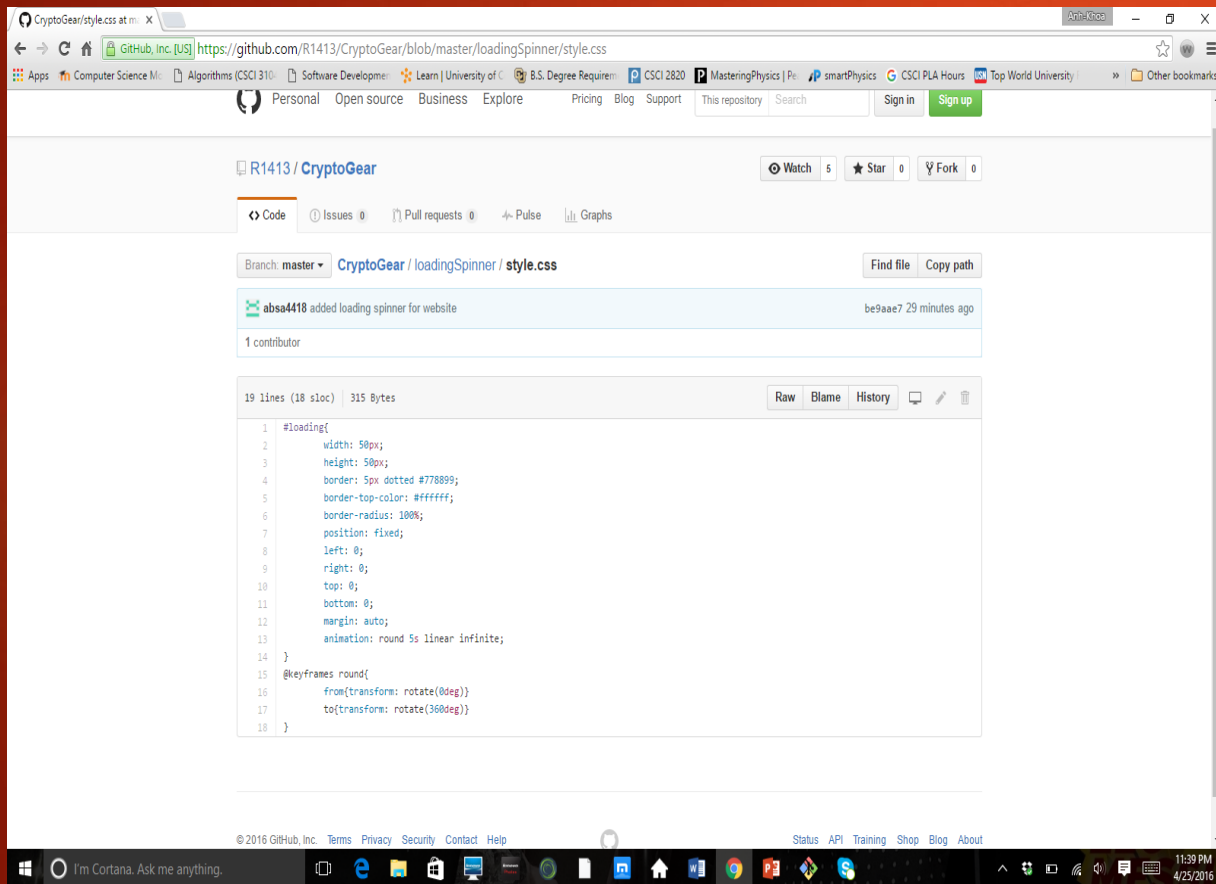
This screenshot shows the same GitHub commit page, but with the full PHP code for 'findFriend.php' visible. The code implements a search algorithm that takes a username as input and returns a list of similar users. It uses a database to store user information and a threshold variable to filter results based on percent similarity. The code includes a 'quickSort' function to sort the results by percent similarity. The commit message and metadata are the same as in the previous screenshot.

```
18 +function findFriendList($username) {
19 +
20 +   $db = new PDO();
21 +   $dbUsername = $db->quote($username);
22 +   $dbUsers = $db->query("SELECT * FROM WhoLetNames");
23 +
24 +   //Declare threshold percentage and perform sorting algorithm
25 +   $threshold = 80;
26 +   $resolved = array();
27 +
28 +   $percentSimilar;
29 +   $lenResolved = 0;
30 +   foreach($dbUsers as $dbUser){
31 +       similar_text($username, $dbUser, $percentSimilar);
32 +       if($percentSimilar >= $threshold) {
33 +           $dbPair = array($dbUser, $percentSimilar);
34 +           array_push($resolved, $dbPair);
35 +           $lenResolved += 1;
36 +       }
37 +   }
38 +
39 +   $resolved = quickSort($resolved);
40 +
41 +   // $resolved = array_reverse($resolved); //if needed
42 +
43 +   foreach($resolved as $result) {
44 +       echo $result;
45 +   }
46 +
47 +}
48 +
49 +function quickSort($list) {
50 +   $listlen = sizeof($list);
51 +   if($listlen <= 1) {
52 +       return;
53 +   }
54 +   $pivot = rand(0, $listlen - 1);
55 +   $i = 0;
56 +   $j = 0;
57 +   while($i < $listlen) {
58 +       if($i < $pivot && $list[$i][1] > $list[$pivot][1]) {
59 +           $j = $i;
60 +           while($j < $pivot) {
```

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

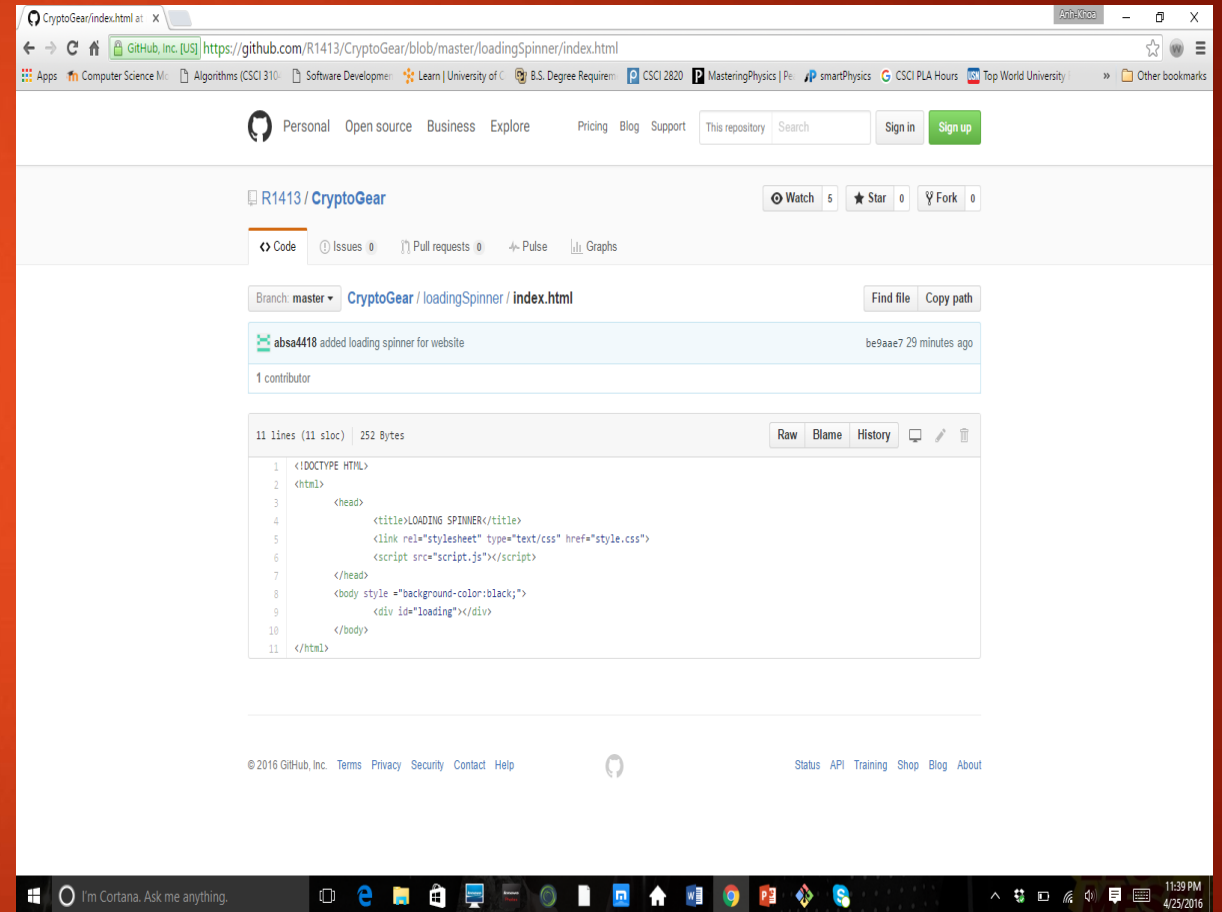


SCREENSHOTS OF SAYED SARDER'S CONTRIBUTION



This screenshot shows the GitHub repository page for R1413/CryptoGear. The file being viewed is `loadingSpinner/style.css` on the `master` branch. The commit message is "absa4418 added loading spinner for website" by user `absa4418`, committed 29 minutes ago. The file contains 19 lines of CSS code, which defines a loading spinner with a width and height of 50px, a dotted border, and a 100% border-radius. It also includes an animation that rotates the spinner from 0 to 360 degrees.

```
1 #loading{
2   width: 50px;
3   height: 50px;
4   border: 5px dotted #778899;
5   border-top-color: #ffffff;
6   border-radius: 100%;
7   position: fixed;
8   left: 0;
9   right: 0;
10  top: 0;
11  bottom: 0;
12  margin: auto;
13  animation: round 5s linear infinite;
14 }
15 @keyframes round{
16   from{transform: rotate(0deg)}
17   to{transform: rotate(360deg)}
18 }
```



This screenshot shows the GitHub repository page for R1413/CryptoGear, specifically the `loadingSpinner/index.html` file on the `master` branch. The commit message is "absa4418 added loading spinner for website" by user `absa4418`, committed 29 minutes ago. The file contains 11 lines of HTML code, which sets the document type to HTML, includes the loading spinner CSS file, and sets the background color of the body to black.

```
1 <!DOCTYPE HTML>
2 <html>
3   <head>
4     <title>LOADING SPINNER</title>
5     <link rel="stylesheet" type="text/css" href="style.css">
6     <script src="script.js"></script>
7   </head>
8   <body style="background-color:black;">
9     <div id="loading"></div>
10  </body>
11 </html>
```


DEPLOYMENT ENVIRONMENT

- ▶ WE USED JUMPLINE WEB HOSTING TO HOST OUR WEBSITE.
- ▶ <http://jumpline.com/>

LINK TO OUR FINAL WEBSITE

▶ <http://crypto.vivoapplications.com/>