2014-12-01

* Work performed on Surface laptop
* Installed most recent version of Nusphere
* Moved all PHP bytes to Skydrive from personal NAS
* Created project in Nusphere for “2015-b-pwd”
* MySQL
  + Downloaded from <http://dev.mysql.com/downloads/>
  + MySQL Community server
  + Selected MySQL ‘web’ Installer 5.6.22.0 for Windows
    - During install, took these options
      * Server only – didn’t really work
      * Tried developer default – that did not work either.
  + Went back and selected non ‘web’ version (I think it downloaded full installer)
    - Same problems
    - Selected custom install, installed 5.7.5 Server, Samples, amnd documentation..
    - Installtion options:
      * Config type = dev machine
      * TCPIP port = 3306; open firewall port for network access
      * Root password = pwd2015
      * Add user
        + Username = pwd
        + Host = ,All Hosts(%)>
        + Role = DB Admin
        + Auth = MySQL
        + Password = pwd2015
      * Configure MySQL as a Service = checked
      * Windows service name = MySQL57
      * Start the MySQL Server at system Startup = NOT vchecked
      * Run Windows service as.. Standard System Account
      * Error log = CLARK.err
      * General Log = CLARK.log
      * Slow log = CLARK-slow.log
  + Seemed to be fully installed and functional
* Got roster from Jim…

2014-12-02

* Updated C\_xampp\_htdocs.config.inc.php (even though I am certain it is the wrong one…)
  + Really just passwords for MySQL
* Tried to run; found this file missing (no surprise):
  + C\_\_Users\_John\_SkyDrive\_skydrive-old\_PWD\_2015-b-pwd.config.inc.php
* Error related to pass-by –reference
* Made changes in the db\_utils.inc to correct pass-by-reference problem
* Trying to start app, I see some errors – “strict standards” but it painted the log in page…
* Ran nuke.php
  + Got a number of errors
    - A couple of ‘strict standards errors
    - A number of tables not created…
    - Needs more attention

2014-12-03

* Research failures and found that the mysql function calls have been deprecated
  + Updated db\_mysql.inc to change mysql\_connect -> mysqli\_connect
  + Part of this changed the signature to my function db\_connect\_only; needed to update:
    - Init2.php
    - Initdb.php
    - Nuke.php
    - Dbutils.inc
    - Functions\_data\_valid.php
    - Functions\_database\_2013.php (there were older versions not touched…)
    - Functions\_database.php
  + Updated to replace mysql\_close with mysqli\_close:
    - Db\_mysql.inc
  + Made many adjustments to different SQL functions in db\_mysql.inc, functions\_database.php
  + Worked hard to get the mysqli functions in… still having problems with the NUKE function… and not sure why.
    - Getting different behavior when I ah running in debug and not sure why…

2014-12-04

* Found and fixed problems with SQL statements to create racer table
* Started research on the problems with adding email and users… not yet resolved – pick up here
* FOUND AND FIXED that
* Next – find why getting warning message on start up…
* FOUND AND FIXED
* Successfully logged in with john/123123
* Application needs testing – already seeing some errors when doing DB updates…
* When updating a race heat:
  + **Warning**: mysqli\_real\_escape\_string() expects parameter 1 to be mysqli, string given in **C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\includes\db\_mysql.inc** on line **69**
  + **Record becomes corrupted…**
* Needed to correct the function **db\_quote\_value** function in db\_mysql.inc… resolved that issue

2014-12-05

* Opened app and went into heats. After ending heat maintenance, got these errors:
  + **Notice**: Undefined index: username in **C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\menu.php** on line **9**  
      
    **Notice**: Undefined index: passwd in **C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\menu.php** on line **10**
  + Started to mess with menu.php… but did not resolve
  + I THINK
    - Need to see how often we need to issues the “session\_start()”
      * We may be suffering from trying to do that too often.. and in the past it was ok?
    - Try tracking down where we have a <form method="post" action="menu.php">
    - Assume that is the method that is failing when it starts (the second time…)

2014-12-09

* Updated menu.php to add an “isset” to make sure that the POST had data in it..
* This corrected the errors that were coming up on 12-05
* Now updating the DB update pgm to add correct scouts and dens….
* There is a problem running the SQL command to add the den… it all goes downhill after…

2014-12-10

* Located and repaired problem preventing inserts of dens, etc.
* function pack55Inserts($host, $database, $schema, $admin, $adminPassword){
  + was:
  + $dbconn->db\_connect\_only($host, $admin, $adminPassword, $database);
  + Change to:
  + $dbconn->db\_connect\_only($host, $admin, $adminPassword, $schema);
* Noticed this error when going into ‘valid email maintenance’
  + **Notice**: Undefined variable: fld\_indices\_EMail in **C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_valid\_emails.php** on line **112**
* Changed table\_valid\_emails.php – remove input validation – it did not seem necessary – but I could not understand why the problem was happening.. it is working better
* Next thing to look at: When creating a race, got these errors:
  + **Notice**: Undefined index: f0 in **C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php** on line **291**
  + Top of Form
  + **Notice**: Undefined index: f0 in **C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php** on line **704**  
      
    **Notice**: Undefined index: f0 in **C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php** on line **710**
* Bottom of Form
* Further testing shows that this is happening only when a new race create is requested… not happening on edit…
* Made corrections to table\_race.php to fix errors… skip counts of race activity on database inserts…!!

2014-12-11

* New error in user maintenance – when adding a record
  + **Notice**: Undefined variable: fld\_indices\_EMail in **C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_user.php** on line **129**
  + Corrected table\_user.php to eliminate the table validation
* Found errors when updating a racer in table\_racer.php
  + **Notice**: Use of undefined constant IdDen - assumed 'IdDen' in **C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_racer.php** on line **418**  
      
    **Notice**: Use of undefined constant Den\_name - assumed 'Den\_name' in **C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_racer.php** on line **418**
  + But – many more of these…
  + Fixed the table\_user.pwd program
* Found a missing page was presented when an error created
  + Create race
  + Add a racer to race
  + Update race and change to ‘started’ (even with only one racer)
  + Get a page with an error description and a ‘go back’ button
  + When hit the ‘go back’ button, get a page not found
  + This is the url:
    - http://localhost:8080/%3Cbr%20/%3E%3Cb%3ENotice%3C/b%3E:%20%20Undefined%20variable:%20table%20in%20%3Cb%3EC:/Users/John/SkyDrive/skydrive-old/PWD/2015-b-pwd/table\_race.php%3C/b%3E%20on%20line%20%3Cb%3E54%3C/b%3E%3Cbr%20/%3E
  + This is table\_race.php
  + Mode = ‘u2’
  + Examining the source of the error page:
    - <body>
    - <h5>Not enough racers registered for the race. Race not updated. Review heat assignment and try again.</h5>
    - </body>
    - <form method="LINK" ACTION="<br />
    - <b>Notice</b>: Undefined variable: table in <b>C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php</b> on line <b>54</b><br />
    - ">
    - <input type="submit" value="Go back">
    - </form>
  + Corrected race\_table.php – hardcoded target page rather than use a variable unneededly
* Found errors when changing a race from registering to started… got these messages:
  + Notice: Use of undefined constant rrCarNumber - assumed 'rrCarNumber' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 383  
      
    Notice: Use of undefined constant rrCarNumber - assumed 'rrCarNumber' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 383  
      
    Notice: Use of undefined constant rrCarNumber - assumed 'rrCarNumber' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 383  
      
    Notice: Use of undefined constant rrCarNumber - assumed 'rrCarNumber' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 383  
      
    Notice: Use of undefined constant Car\_Lane1 - assumed 'Car\_Lane1' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 440  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 442  
      
    Notice: Use of undefined constant Car\_Lane2 - assumed 'Car\_Lane2' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 451  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 453  
      
    Notice: Use of undefined constant Car\_Lane3 - assumed 'Car\_Lane3' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 462  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 464  
      
    Notice: Use of undefined constant Car\_Lane4 - assumed 'Car\_Lane4' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 472  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 475  
      
    Notice: Use of undefined constant Car\_Lane1 - assumed 'Car\_Lane1' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 440  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 442  
      
    Notice: Use of undefined constant Car\_Lane2 - assumed 'Car\_Lane2' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 451  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 453  
      
    Notice: Use of undefined constant Car\_Lane3 - assumed 'Car\_Lane3' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 462  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 464  
      
    Notice: Use of undefined constant Car\_Lane4 - assumed 'Car\_Lane4' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 472  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 475  
      
    Notice: Use of undefined constant Car\_Lane1 - assumed 'Car\_Lane1' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 440  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 442  
      
    Notice: Use of undefined constant Car\_Lane2 - assumed 'Car\_Lane2' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 451  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 453  
      
    Notice: Use of undefined constant Car\_Lane3 - assumed 'Car\_Lane3' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 462  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 464  
      
    Notice: Use of undefined constant Car\_Lane4 - assumed 'Car\_Lane4' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 472  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 475  
      
    Notice: Use of undefined constant Car\_Lane1 - assumed 'Car\_Lane1' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 440  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 442  
      
    Notice: Use of undefined constant Car\_Lane2 - assumed 'Car\_Lane2' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 451  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 453  
      
    Notice: Use of undefined constant Car\_Lane3 - assumed 'Car\_Lane3' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 462  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 464  
      
    Notice: Use of undefined constant Car\_Lane4 - assumed 'Car\_Lane4' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 472  
      
    Notice: Use of undefined constant rrResult - assumed 'rrResult' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race.php on line 475
  + Made many corrections to table\_race
* Found new errors when opening a race that is ‘started for update
  + Notice: Use of undefined constant Place\_1 - assumed 'Place\_1' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\includes\functions\_database.php on line 1297  
      
    Notice: Use of undefined constant Place\_1 - assumed 'Place\_1' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\includes\functions\_database.php on line 1297  
      
    Notice: Use of undefined constant Place\_1 - assumed 'Place\_1' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\includes\functions\_database.php on line 1297  
      
    Notice: Use of undefined constant Place\_1 - assumed 'Place\_1' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\includes\functions\_database.php on line 1297
  + Corrected functions\_database.php
* Found new error when trying to enter results for a race:
  + Notice: Use of undefined constant f0 - assumed 'f0' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 781  
      
    Notice: Use of undefined constant f2 - assumed 'f2' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 788  
      
    Notice: Use of undefined constant f7 - assumed 'f7' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 793  
      
    Notice: Use of undefined constant f8 - assumed 'f8' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 805  
      
    Notice: Use of undefined constant f9 - assumed 'f9' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 817  
      
    Notice: Use of undefined constant f10 - assumed 'f10' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 829  
      
    Notice: Use of undefined constant f0 - assumed 'f0' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 781  
      
    Notice: Use of undefined constant f2 - assumed 'f2' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 788  
      
    Notice: Use of undefined constant f7 - assumed 'f7' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 793  
      
    Notice: Use of undefined constant f8 - assumed 'f8' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 805  
      
    Notice: Use of undefined constant f9 - assumed 'f9' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 817  
      
    Notice: Use of undefined constant f10 - assumed 'f10' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 829  
      
    Notice: Use of undefined constant f0 - assumed 'f0' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 781  
      
    Notice: Use of undefined constant f2 - assumed 'f2' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 788  
      
    Notice: Use of undefined constant f7 - assumed 'f7' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 793  
      
    Notice: Use of undefined constant f8 - assumed 'f8' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 805  
      
    Notice: Use of undefined constant f9 - assumed 'f9' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 817  
      
    Notice: Use of undefined constant f10 - assumed 'f10' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 829  
      
    Notice: Use of undefined constant f0 - assumed 'f0' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 781  
      
    Notice: Use of undefined constant f2 - assumed 'f2' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 788  
      
    Notice: Use of undefined constant f7 - assumed 'f7' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 793  
      
    Notice: Use of undefined constant f8 - assumed 'f8' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 805  
      
    Notice: Use of undefined constant f9 - assumed 'f9' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 817  
      
    Notice: Use of undefined constant f10 - assumed 'f10' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 829
  + Fixed!
* More errors
  + Notice: Use of undefined constant f3 - assumed 'f3' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 515  
      
    Notice: Use of undefined constant f4 - assumed 'f4' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 520  
      
    Notice: Use of undefined constant f5 - assumed 'f5' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 525  
      
    Notice: Use of undefined constant f6 - assumed 'f6' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 530  
      
    Notice: Use of undefined constant f3 - assumed 'f3' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 536  
      
    Notice: Use of undefined constant f4 - assumed 'f4' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 541  
      
    Notice: Use of undefined constant f5 - assumed 'f5' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 546  
      
    Notice: Use of undefined constant f6 - assumed 'f6' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 551  
      
    Notice: Use of undefined constant f3 - assumed 'f3' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 558  
      
    Notice: Use of undefined constant f4 - assumed 'f4' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 559  
      
    Notice: Use of undefined constant f5 - assumed 'f5' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 560  
      
    Notice: Use of undefined constant f6 - assumed 'f6' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 561
  + Fixed!!
* More errors – after heat is updated with results:
  + Notice: Use of undefined constant Place\_1 - assumed 'Place\_1' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\includes\functions\_database.php on line 1300  
      
    Notice: Use of undefined constant Place\_2 - assumed 'Place\_2' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\includes\functions\_database.php on line 1301  
      
    Notice: Use of undefined constant Place\_3 - assumed 'Place\_3' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\includes\functions\_database.php on line 1302  
      
    Notice: Use of undefined constant Place\_4 - assumed 'Place\_4' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\includes\functions\_database.php on line 1303
  + Fixed!
* New error – on table\_race\_heat – getting the page not found error when I put in one race twice and cause an error
  + Fixed – hardcoded taget page
* New errors – onpage displayed after last heat in a Race updated
  + Notice: Use of undefined constant rrRacer - assumed 'rrRacer' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 294  
      
    Notice: Use of undefined constant rrRacer - assumed 'rrRacer' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 295  
      
    Notice: Use of undefined constant rrRacer - assumed 'rrRacer' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 296  
      
    Notice: Use of undefined constant f1 - assumed 'f1' in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\table\_race\_heat.php on line 298  
      
    Notice: Undefined variable: ap in C:\Users\John\SkyDrive\skydrive-old\PWD\2015-b-pwd\includes\functions\_database.php on line 1322
  + Fixed all!
* Ran through execution of a race and it looks pretty good
* To do:
  + Run the pages that are shown on the overhead