dnwTennis – Registration Web Site

Registration Web Site for the

camp registration system

Specifications – Version 2015.1

**Primary Goals – V2015.01**

The registration web site will be again updated significantly for the 2015 season. The enhancements will be focused on improving and freshening the interface as well as bringing the form to life such that a user who logs in will be able to come back and edit their registrations.

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# Features Summary

* Optional email entry for each camper
* Memory of past camper data so a user can select instead of typing it all in
* Users can modify or delete an existing registration
* Confirmation email needs to be prettied up
  + Add a link to the reservation ID to email so user can come back later and edit
* What should confirmation email do when reservation is modified or deleted?
* Logging
  + Start tracking when users start a form, when one is abandoned…

# ReWrite

I have tried to come up with some good reasons for the rewrite but they are all made up. The real reason I am rewriting this is because I want to write a complete application in GO using mongoDB. So there – I said it. The original selection of PHP had more to do with what was supported at Dreamhost where the site is hosted.

The following packages and libraries will be used in the rewrite:

* MGO – Labix.Org
* Gorilla MUX –
* Bootstrap – The Twitter CSS Package

# Users Modification of Reservations

The big change for the 2015 version is the ability for a user to edit their own reservations without having to login to anything. This will be handled by having the software place a parameterized URL as a link in the confirmation email that can be clicked on to edit the reservation. <http://dnwtennis.com?resid=xxxxx> where xxxxx is the reservation id. A new reservation will simply go to http://dnwtennis.com

# Resilience to User Error

There were a number of people who claimed they filled in the form and submitted it but never received a confirmation email and the camp coordinator also never received an email. The best theory for how this might happen is that the user filled in the form and then navigated away from the page before hitting the submit button. To protect against that, the following modifications will be made.

* If the user attempts to hit the back button before submitting a warning modal will appear
* If the user attempts to quit the browser before submitting a warning modal will be displayed
* If the user types a new address in the address bar and then attempts to navigate to the address, a warning modal will appear
* If the user enters anything on the fill in form, a logging entry will be made in the database so we can know that a person started a form.
* A matching log entry will be made when the user hits submit or decides to ignore any of the modal dialogs mentioned above.