

CHAPTER 8



Multifunctional Interfaces

“Hard work never killed anybody, but why take a chance.”

—Edgar Bergen (<http://coolfunnyquotes.com>)

Chapter Objectives/Student Learning Outcomes

After completing this chapter, the student will be able to:

- Create a complete PHP application that deletes, updates, and inserts data
- Create a professional look to a completed application using CSS
- Use JavaScript to accept and manipulate data from another program
- Secure all programs in an application requiring user IDs/passwords
- Populate HTML objects with values from a JSON object
- Create a PHP program that will use current password encryption techniques

The Complete Application

In this chapter, you will complete the development of the ABC Canine Shelter Reservation System. The current version of the system allows the users to insert only one dog before requiring the them to log in again to insert additional dogs. Also, the system does not allow users to update or delete dog information that exists in the system. You have already completed most of the PHP code necessary to provide update and delete ability in Chapter 6 (data objects). You now need to attach this portion of the data object (`dog_data`) to the business rules tier (`dog`). In addition you need to make some changes to the interface tier (`dog_interface` and `lab`) to call the update and delete methods and display the results. Most of the coding needed (as you will soon see) will take place in the `lab.php` file. So you will start with those changes.

Data Handling Using JavaScript

The current `lab.php` file allows users to enter only dog information that will be inserted into the data storage (XML, JSON, or MySQL). The interface needs to be modified to allow users to indicate what activity they would like to accomplish (Insert, Update, or Delete). It also needs to allow users to pick a current dog if the process involves updating or deletion. This should, hopefully, indicate that you will need a list box that is populated with information on the dogs currently located in the shelter.

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