USGA GHIN Calculator

Synopsis

This project is meant to demonstrate competency in several web-design techniques, data types, and languages. It is a simple web-site that calculates a golf handicap based on the 20 most recent scores. It provides a form for entering a new score, and displays the 20 scores with the 10 used scores highlighted. The back-end database is implemented with a SQL server using MAMP. The scores database will contain a complete score history, and the most recent 20 entries are extracted to calculate the handicap. The courses file will contain a history of all courses entered. This will also remain small, unless I win the lottery and travel the world playing golf. The site demonstrates capability with html, Javascript, jquery, DOM, xmlHTTPRequest, and PHP.

Annotated Display

Golf Handicap Calculator

Select golf couse from history list:

[Eagle Crest Resort Resort Course:white ▼]
New Golf Course ID:

Date Played:

Slope:

Rating:

Score:

[Clear Form] [Post Score]

GHIN #: 0478099

Calculated Handicap:

17.2

Score History (20 most recent)

Date	Golf Course	Course Rating	Course Slope	Score
7/15/2013	Forest Hills Country Club	71	130	96
7/21/2013	Langdon Farms Club	69.5	124	94
8/3/2013	Meriwether National Golf Club	71	123	85
8/17/2013	Rock Creek Country Club	70.5	129	94
9/1/2013	Meriwether National Golf Club	70	123	93
9/2/2013	Rose City Golf Club	69.8	119	93
9/15/2013	Meriwether National Golf Club	71.6	125	90
9/28/2013	Eagle Crest Resort Ridge Course	67	123	88
9/30/2013	Eagle Crest Resort Resort Course	66.8	122	104
6/1/2014	Meriwether National Golf Club	70	123	93
6/8/2014	Pumpkin Ridge Ghost Creek	69.8	136	113
6/8/2014	Indian Creek Golf Club	68.1	118	91
5/1/2015	Rancho Manana Golf Club	66.7	128	94
8/15/2015	OGA Golf Course	60.5	129	101
8/30/2015	Meriwether National Golf Club	70	123	99
5/4/2016	Meriwether National Golf Club	70	123	91
5/18/2016	Meriwether National Golf Club	70	123	97
6/16/2016	Meriwether National Golf Club	70	123	88
6/20/2016	Meriwether National Golf Club	70	123	88
7/20/2016	Meriwether National Golf Club	70	123	87

Simple interface. Form is populated with Javascript accessing the database by calling PHP scripts on the server side. The handicap is calculated and the scores table is populated with Javascript/PHP accessing the scores database table. The top ten scores are highlighted. When new score is posted, a new course name and tees played is added to the courses database table (Javascript/PHP) if required, and the new score is added to the scores database table (Javascript/PHP). The web page is updated dynamically with new scores in the table, and new courses in the form, and a new handicap index (GHIN), without requiring a page reload.