

The next few assignments will use an attractions database. This assignment allows a user to display the attractions in the database and search for attractions by phrase. Subsequent assignments will allow users to create a custom set of attractions to display in their browser, and to compute the distance between attractions.

You have select and insert permissions for the table `bestofbc` in the database `CS254`. This table was created with the following SQL statement.

You need to create the file `bestofbcA.php` that displays a page like the one on the following page. The page should have a title and header and at least two functions:

1. function `displayHomePage($string)` This function queries the database to select all the attractions, and display them. The string argument is used to search the database. The function should display all matching attractions. You need to check all text fields for the string. If `$string` is not set or is empty, display all the attractions in the database.
2. function `displayInsertAttractionForm ()` – displays the form to accept a text phrase to be used to search for attractions

Put the function definitions after the main part of the script. The main part of the `bestofbcA.php` script should call the functions like this...

```
$op = isset($_GET['op']) ? $_GET['op'] : "";
switch ($op){
    case 'Add Attraction:
        displayInsertAttractionForm();
        break;
    case 'Search':
    default:
        displayHomePage($_GET['searchtxt']);
        break;
}
```

A few notes about adding attractions:

1. Use a Javascript form to validate inputs. Make sure all are entered, and the phone number and url are a reasonable format.
2. Use just one text field for the address. Don't split it up in to city, state and so on.
3. Find the longitude and latitude of your attraction and store them in the database along with the address. We will use them in a future assignment. The site <http://geocoder.us> allows you to enter an address, and it will find the latitude and longitude of that location. You can reuse your code from the

webgrab assignment. If the user enters a bad address (one for which you can't find the coordinates because `preg_match_all()` returns false), you should not insert the attraction, but rather display an error message. You can use a file `dboperation.php` and redirect back to `bestofbostonA.php` with a get variable with the status of the insert.

CS 254 Best of BC Page

Options

Add Attraction

Search

There is one attraction

| Attraction | Comment |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Duck Tour **** \$\$\$ tour http://www.bostonducktours.com/ 4 Copley Place, Boston, MA 617-267-3825 | Corny but fun <i>lowriek 2013-04-10</i> |

CS 254 Best of BC Page

Add an Attraction

Name:

Star rating:

Price:

Category:

Address:

Phone:

URL:

Your UserID:

Comment:

Add

CS 254 Best of BC Page

Add an Attraction

Name:

No name entered!

Star rating:

No stars selected!

Price:

No price selected!

Category:

No category entered!

Address:

No address entered!

Phone:

No phone entered!

URL:

No url entered!

Your UserID:

No uid entered!

Comment:

No comments entered!

Add