

An Online Interactive Database Platform For Career Searching

Dr. John Wang

Professor of Computer Science

Virginia Wesleyan University

Virginia Beach, VA 23455, USA

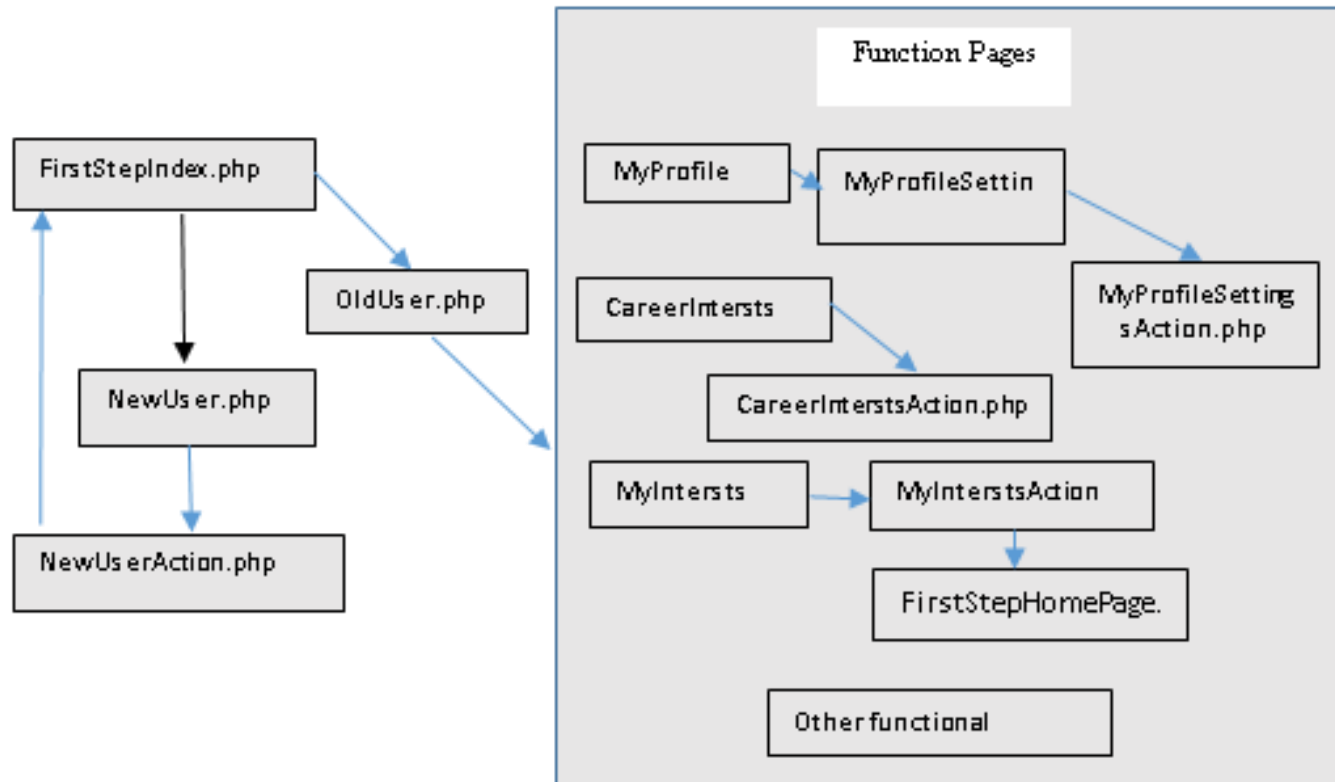
Content

- ▶ Introduction
- ▶ System outline
- ▶ Case study
- ▶ Conclusion

Introduction

- ▶ College seniors, new graduates
- ▶ Job search
- ▶ Tools?
- ▶ A specific platform for communications
- ▶ Online database with security and functionality

System Outline (1)



System Outline (2)

- ✓ When visiting the site, the user's log info will first be sent to FirstStepIndex.php
- ✓ Have the option to register an account or to log in.
- ✓ Have multiple options:
 - ❖ visiting their profile information
 - ❖ selecting career interests
 - ❖ requesting partners as friends
- ✓ Available on a sidebar so the user to view all of their at the same time.

System Outline (3)

► Registration tables: log and personal info

```
mysql> show columns from FirstStep;
```

Field	Type	Null	Key	Default	Extra
id	int(11)		PRI	NULL	auto_increment
first	varchar(50)				
last	varchar(50)				
username	varchar(50)				
password	varchar(50)				

```
5 rows in set (0.00 sec)
```

```
mysql> show columns from FirstStep2;
```

Field	Type	Null	Key	Default	Extra
id	int(11)		PRI	NULL	auto_increment
first	varchar(50)				
last	varchar(50)				
username	varchar(50)				
email	varchar(50)				
phone	bigint(20)			0	

```
6 rows in set (0.00 sec)
```

► Password secured with MD5 function

System Outline (4)

- ▶ Partner table: show if two are partners

```
mysql> show columns from Partners;
+-----+-----+-----+-----+-----+-----+
| Field  | Type   | Null  | Key  | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| User1ID | int(11) |      |      | 0       |      |
| User2ID | int(11) |      |      | 0       |      |
| Status  | int(11) |      |      | 0       |      |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

Status: a partner request (0); accepted a request (1); rejected a request (2); partners (3)

System Outline (5)

► Interests table:

```
mysql> show columns from Interests;
```

Field	Type	Null	Key	Default	Extra
id	int(11)		PRI	NULL	auto_increment
UserID	int(1)			0	
Interest	varchar(255)				

```
3 rows in set (0.00 sec)
```


System Outline (6)

► Comments table:

```
mysql> show columns from Accounting_and_Auditing;
```

Field	Type	Null	Key	Default	Extra
id	int(11)		PRI	NULL	auto_increment
username	varchar(50)	YES		NULL	
Comments	varchar(255)	YES		NULL	

```
3 rows in set (0.00 sec)
```

- if a user posts a comment - their username will be stored along with the comment to be viewed for others who are also interested in this career

Case Study (1)

► Login page

Login

Already registered? Log in here.

Username:

Password:

Not registered? Let's get started!

Last updated: Monday, April, 27, 2015

Case Study (2)

► Registration page

FirstStep

First name: Last name:

Username: Password:

Confirm password:

E-mail: Phone Number:

Login

Last updated: Monday, April, 27, 2015

Case Study (3)

► Registration action script

```
$query = "insert into $table_name (first, last, username, password) values
        ('$first', '$last', '$encrypted_username', '$encrypted_password')";

mysql_select_db($database);

if (mysql_query($query, $connect))
{
    print "Register successful!<p>";
    $sql = "select id from FirstStep where username='$encrypted_username'";
    $id = mysql_query($sql, $connect);
    $query2 = "insert into FirstStep2 (id, first, last, username, email, phone) values
            ('$id', '$first', '$last', '$username', '$email', '$phone')";
    mysql_query($query2, $connect);
}
else
    print "Register failed. Please <A HREF=NewUser.php>try again.</A><p>";
mysql_close($connect);
```

Case Study (4)

Search for Partners

Looking for a business partner? Search by either first and last name or by username.

First name:

Last name:

Username:

Last updated: Monday, April, 27, 2015

Case Study (5)

```
$i=0;
$count=0;
$ppl = array();
print '<table border=1>';
print '<th>First Name<th>Last Name<th>Username<th>Partnership';
while ($row = mysql_fetch_row($result))
{
    $ppl[$i] = $row;
    print '<tr>';
    foreach ($row as $field)
        print "<td>$field</td> ";
        print "<td>Request partnership? <input type=checkbox name=partners[] value=$i>Yes<input type=checkbox name=nope[] value=$count>No</td>";
    print '</tr>';
    $i++;
    $count++;
}
print "<p>";
```

Case Study

- ▶ The system site

<http://zeus.vwu.edu/~bdstamour/ResearchIndex.php>

(online show)

Conclusion

- ▶ The system with career interests and dynamic comment pages
- ▶ Along with the partners and interests with functionality and security.
- ▶ Implemented with PHP and MySQL