CHUNG-ANG UNIVERSITY

Department of Computer Science

52320-01 WEB PROGRAMMING, FALL 2018

Homework No. 3

Student ID: 50181545

Student Name: Nanartonyte Kamile

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1. Requirements

Task: Write a web application My-Contacts satisfying the following requirements.

- 1. Information to be included: name, e-mail address, phone numbers, etc.
- 2. Functions to be supported: insert, delete, update, search, list, etc.
- 3. Server side scripting should be used.
- 4. All data should be stored in DB.
- 5. Build your own web servers.

Approach: It was built using phpMyAdmin, Apache24, MySQL, PHP, HTML, CSS, JavaScript. Page structure was built using front-end framework Foundation (<u>foundation.zurb.com</u>).

It was stored in Apache24 and accessed using localhost/contacts

Folder structure:

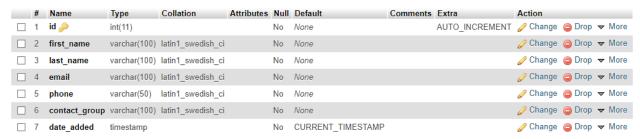
| laconfig | 2018-11-28 00:16 | File folder |
|---------------------|------------------|-------------|
| 📗 core | 2018-11-28 00:16 | File folder |
| | 2018-11-28 00:16 | File folder |
| ll helpers | 2018-11-28 00:16 | File folder |
| \mu img | 2018-11-28 00:16 | File folder |
| 〗 js | 2018-11-29 15:49 | File folder |
| libraries | 2018-11-28 00:16 | File folder |
| add_contact.php | 2018-11-28 17:01 | PHP File |
| contacts.php | 2018-11-29 13:01 | PHP File |
| contacts_search.php | 2018-11-29 00:48 | PHP File |
| delete_contact.php | 2018-11-28 18:48 | PHP File |
| dit_contact.php | 2018-11-28 18:41 | PHP File |
| index.php | 2018-11-29 15:49 | PHP File |
| search_contact.php | 2018-11-29 15:32 | PHP File |
| | | |

Database information is as follows (file core/init.php): define('DB_HOST', 'localhost');

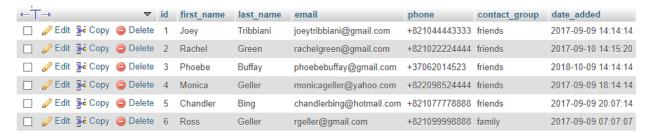
define('DB_USER', 'admin');
define('DB_PASS', 'admin');

define('DB_NAME', 'addressbook');

Database addressbook contains contacts table, which is as follows:



Data in *contacts* table:



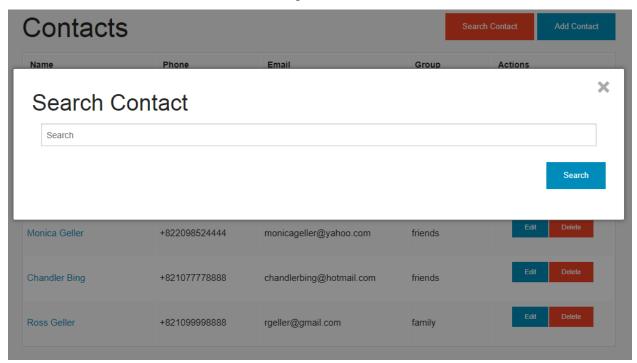
2. Design

Once started, it loads index.php, also loading on the data from the database into a table. Each entry has its' own "Edit" and "Delete" buttons.

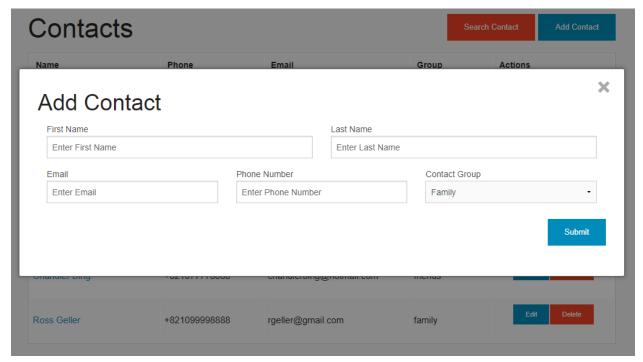
Once page is loaded, it looks like the following picture:

| Contacts | | | | Search Contact Add Contact |
|----------------|---------------|--------------------------|---------|----------------------------|
| Name | Phone | Email | Group | Actions |
| Joey Tribbiani | +821044443333 | joeytribbiani@gmail.com | friends | Edit Delete |
| Rachel Green | +821022224444 | rachelgreen@gmail.com | friends | Edit Delete |
| Phoebe Buffay | +37062014523 | phoebebuffay@gmail.com | friends | Edit Delete |
| Monica Geller | +822098524444 | monicageller@yahoo.com | friends | Edit Delete |
| Chandler Bing | +821077778888 | chandlerbing@hotmail.com | friends | Edit Delete |
| Ross Geller | +821099998888 | rgeller@gmail.com | family | Edit Delete |

Search is available for first name or last name fields. It includes partial search, for example, searching for "R" will return all results that have letter "R" in first name or last name fields. Once "Search Contact" button is clicked, it opens a search modal:



Once "Add Contact" is clicked, it looks like the following picture:

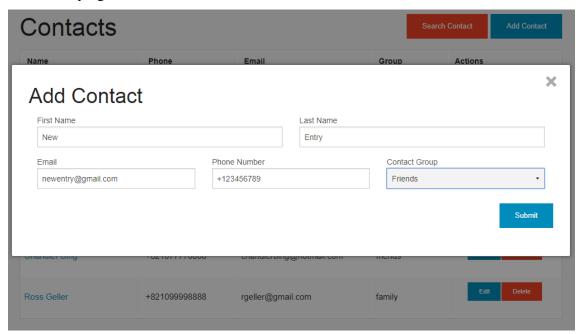


Once search is done, it displays result in a separate table, as following:

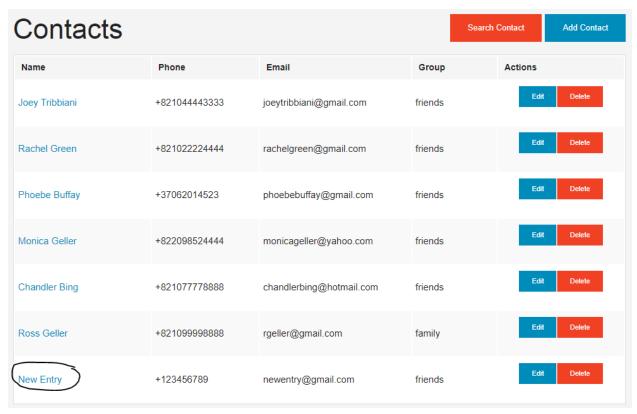
| Contacts | | | | earch Contact Add Contact | | |
|----------------|---------------|--------------------------|---------|---------------------------|--|--|
| Search Results | | | | | | |
| Name | Phone | Email | Group | Actions | | |
| Joey Tribbiani | +821044443333 | joeytribbiani@gmail.com | friends | Edit Delete | | |
| Name | Phone | Email | Group | Actions | | |
| Joey Tribbiani | +821044443333 | joeytribbiani@gmail.com | friends | Edit Delete | | |
| Rachel Green | +821022224444 | rachelgreen@gmail.com | friends | Edit Delete | | |
| Phoebe Buffay | +37062014523 | phoebebuffay@gmail.com | friends | Edit Delete | | |
| Monica Geller | +822098524444 | monicageller@yahoo.com | friends | Edit Delete | | |
| Chandler Bing | +821077778888 | chandlerbing@hotmail.com | friends | Edit Delete | | |
| Ross Geller | +821099998888 | rgeller@gmail.com | family | Edit Delete | | |

3. Testing results

Case 1: Trying to add new contact:



Case 1: It appears in the end of the table:



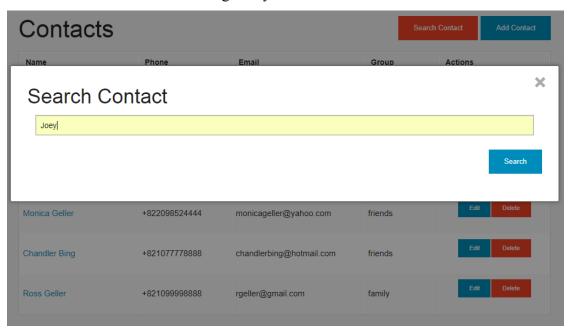
Case 2: Editing a field in the contact entry. Edited "New Entry" email field to NEWEMAIL@GMAIL.COM:

| Contacts | | | | Search Contact | Add Contact |
|----------------|---------------|--------------------------|---------|----------------|-------------|
| Name | Phone | Email | Group | Actions | |
| Joey Tribbiani | +821044443333 | joeytribbiani@gmail.com | friends | Edit | Delete |
| Rachel Green | +821022224444 | rachelgreen@gmail.com | friends | Edit | Delete |
| Phoebe Buffay | +37062014523 | phoebebuffay@gmail.com | friends | Edit | Delete |
| Monica Geller | +822098524444 | monicageller@yahoo.com | friends | Edit | Delete |
| Chandler Bing | +821077778888 | chandlerbing@hotmail.com | friends | Edit | Delete |
| Ross Geller | +821099998888 | rgeller@gmail.com | family | Edit | Delete |
| New Entry | +123456789 | NEWEMAIL@GMAIL.COM | friends | Edit | Delete |

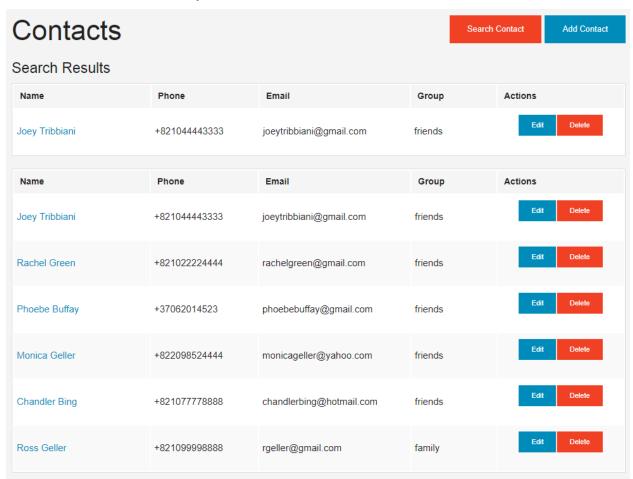
Case 3: Delete entry. Deleted "New Entry":

| Contacts | | | | Search Contact | Add Contact |
|----------------|---------------|--------------------------|---------|----------------|-------------|
| Name | Phone | Email | Group | Actions | |
| Joey Tribbiani | +821044443333 | joeytribbiani@gmail.com | friends | Edit | Delete |
| Rachel Green | +821022224444 | rachelgreen@gmail.com | friends | Edit | Delete |
| Phoebe Buffay | +37062014523 | phoebebuffay@gmail.com | friends | Edit | Delete |
| Monica Geller | +822098524444 | monicageller@yahoo.com | friends | Edit | Delete |
| Chandler Bing | +821077778888 | chandlerbing@hotmail.com | friends | Edit | Delete |
| Ross Geller | +821099998888 | rgeller@gmail.com | family | Edit | Delete |

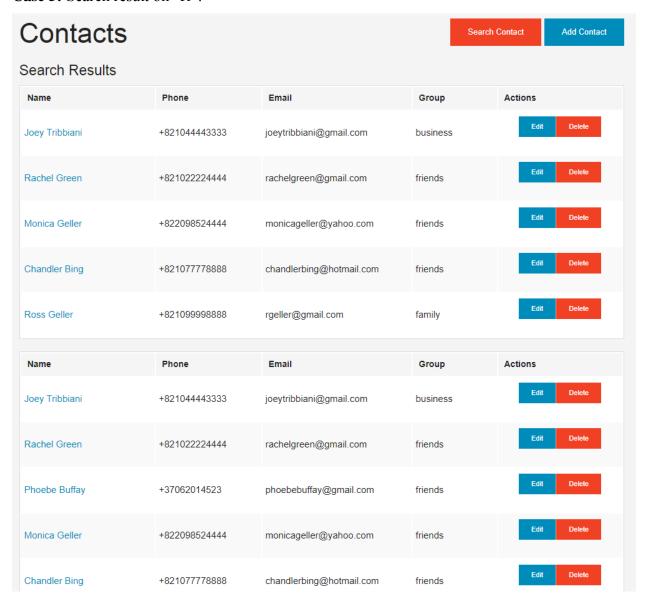
Case 4: Perform search. Searching "Joey":



Case 4: Result of search "Joey":



Case 5: Search result on "R":



Case 6: Search result on empty field or a text which does not exist in database results in message "No contact found":

