CHUNG-ANG UNIVERSITY

Department of Computer Science

52320-01 WEB PROGRAMMING, FALL 2018

Homework No. 3

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Contents

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 (foundation.zurb.com).

It was stored in Apache24 and accessed using localhost/contacts

Folder structure:

config	2018-11-28 00:16	File folder
core	2018-11-28 00:16	File folder
css	2018-11-28 00:16	File folder
helpers	2018-11-28 00:16	File folder
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
edit_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:

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
☐	1	id 🔑	int(11)			No	*None*		AUTO_INCREMENT	🖉 Change	⊖ Drop	▽ More
☐	2	first_name	varchar(100)	latin1_swedish_ci		No	*None*			🖉 Change	⊖ Drop	▽ More
☐	3	last_name	varchar(100)	latin1_swedish_ci		No	*None*			🖉 Change	⊖ Drop	▽ More
☐	4	email	varchar(100)	latin1_swedish_ci		No	*None*			🖉 Change	⊖ Drop	▽ More
☐	5	phone	varchar(50)	latin1_swedish_ci		No	*None*			🖉 Change	⊖ Drop	▽ More
☐	6	contact_group	varchar(100)	latin1_swedish_ci		No	*None*			🖉 Change	⊖ Drop	▽ More
☐	7	date_added	timestamp			No	CURRENT_TIMESTAMP			🖉 Change	⊖ Drop	▽ More

Data in *contacts* table:

				id	first_name	last_name	email	phone	contact_group	date_added
☐	🖉 Edit	⌗ Copy	⊖ Delete	1	Joey	Tribbiani	joeytribbiani@gmail.com	+821044443333	friends	2017-09-09 14:14:14
☐	🖉 Edit	⌗ Copy	⊖ Delete	2	Rachel	Green	rachelgreen@gmail.com	+821022224444	friends	2017-09-10 14:15:20
☐	🖉 Edit	⌗ Copy	⊖ Delete	3	Phoebe	Buffay	phoebebuffay@gmail.com	+37062014523	friends	2018-10-09 14:14:14
☐	🖉 Edit	⌗ Copy	⊖ Delete	4	Monica	Geller	monicageller@yahoo.com	+822098524444	friends	2017-09-09 18:14:14
☐	🖉 Edit	⌗ Copy	⊖ Delete	5	Chandler	Bing	chandlerbing@hotmail.com	+821077778888	friends	2017-09-09 20:07:14
☐	🖉 Edit	⌗ Copy	⊖ Delete	6	Ross	Geller	rgeller@gmail.com	+821099998888	family	2017-09-09 07:07:07

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:

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

<div align="right">Search Contact   Add Contact</div>

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":

Contacts

Search Contact   Add Contact

Search Results

Name	Phone	Email	Group	Actions
Joey Tribbiani	+821044443333	joeytribbiani@gmail.com	business	Edit Delete
Rachel Green	+821022224444	rachelgreen@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

Name	Phone	Email	Group	Actions
Joey Tribbiani	+821044443333	joeytribbiani@gmail.com	business	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

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

Contacts

<div>Search Contact | Add Contact</div>

Search Results

Name	Phone	Email	Group	Actions
No contact found				

Name	Phone	Email	Group	Actions
Joey Tribbiani	+821044443333	joeytribbiani@gmail.com	business	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