

CSIS 3280 Lab 07-002: OO Web Application with PDO and DAO

- Download the template lab file and extract it
- Make sure to follow the naming convention, e.g., Lab07_ABcXXXXX
- Complete the task
- Make sure to zip the folder and submit it through the blackboard

Introduction

You are required to create an OO web application utilizing PDO and DAO such that:

1. The user can see the list of reservations from the start. Note that the facility name displayed in the list is the long_name entry from the facility table.
2. The user can “Edit” or “Delete” any reservation information through a link from the corresponding record
3. The user can also create a new reservation record

Requirement

1. You cannot modify the database schema in any way
2. You cannot modify any class name and function signature
3. You may only have one main controller file
4. At the start, user can see the list and add reservation form. Upon clicking on the “Edit” link, the user should see the Edit Form. The edit link should include a url query string, i.e., action=edit to enable you to display the Edit form. Make sure the edit form’s action point to \$_SERVER[“PHP_SELF”] to make sure that you do not have the extra unneeded query strings that may create issue in your controller file.
5. The select input must always display the correct current facility name selected that correspond to the reservation record being edited in the Edit form
6. The Delete link should simply delete the corresponding reservation record. Therefore you need to process it through get method.
7. Your reservation list need to be always up to date following any create, update or delete operations
8. The select input for the create and edit forms must be populated with the facilities’ long name from the database

Hints

1. Refer to the Week 08 demo files
2. Do the lab one step at a time
 - a. First get the read working
 - b. Then get the delete working
 - c. Populate the add reservation form’s select from the database
 - d. Get the add reservation working
 - e. Get the edit reservation working and make sure the select input display the current selected facility name
3. Remember to comment out any syntax error, free your code from any warning and debug info messages
4. You can set the form action to \$_SERVER[‘PHP_SELF’]

LAB/ASSIGNMENT PRE-SUBMISSION CHECKLIST

- Did you follow the naming convention for your files?!
- Did you follow the naming convention for your folder?!
- Does your submission work on a lab computer?!
- Double check ****before**** submitting

Figure 1: The default view with reservation list and add reservation form. Notice the new reservation data written in the add reservation form to be added to the database.

Lab 07: PDO CRUD with DAO -- Bambang (1234567)

Add Reservation

Reservation ID:

Full Name:

Email:

Date:

Length:

Facility:

Current Data

Reservation ID	Full Name	Email	Facility	Date	Length	Edit	Delete
132C28P25J	Freida Yanele	fyanele0@npr.org	Seminar Room	2021-03-09	5	Edit	Delete
132C18X00J	Graham Giveen	ggiveen1@simplemachines.org	Hitech Room	2021-09-27	5	Edit	Delete
132C52X14E	Edward Dobeson	edobeson3@addtoany.com	Auditorium	2021-07-16	6	Edit	Delete
132A39X02N	Haven Busst	hbusst4@google.co.uk	Seminar Room	2021-07-02	1	Edit	Delete
132A34X67E	Vere Commucci	vcommucci5@paginegialle.it	Hitech Room	2021-08-03	5	Edit	Delete
132B78P28J	Ingrid Lathwood	ilathwood6@eventbrite.com	Meeting Room	2020-09-24	2	Edit	Delete
132C74X34E	Riki Westraw	rwestraw7@is.gd	Gymnastic	2021-06-09	1	Edit	Delete
132A25P07E	Riccardo Mayhow	rmayhowe@last.fm	Auditorium	2020-10-23	4	Edit	Delete
132C58Q41N	Kara Naire	knaired@peworld.com	Meeting Room	2021-06-15	6	Edit	Delete
132C35X56E	Ronny Bernardoux	rbernardoux@reference.com	Gymnastic	2021-04-04	6	Edit	Delete

The facility long name is displayed here. You need to perform join to get this

The Edit and Delete links for the corresponding reservation

List all facility long name, populated from the database

Figure 2: The new entry is added to the database and the list is updated.

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Add Reservation

Reservation ID:

Full Name:

Email:

Date:

Length:

Facility:

Current Data

Reservation ID	Full Name	Email	Facility	Date	Length	Edit	Delete
132C28P25J	Freida Yanele	fyanele0@npr.org	Seminar Room	2021-03-09	5	Edit	Delete
132C18X00J	Graham Giveen	ggiveen1@simplemachines.org	Hitech Room	2021-09-27	5	Edit	Delete
132C52X14E	Edward Dobeson	edobeson3@addtoany.com	Auditorium	2021-07-16	6	Edit	Delete
132A39X02N	Haven Busst	hbusst4@google.co.uk	Seminar Room	2021-07-02	1	Edit	Delete
132A34X67E	Vere Commucci	vcommucci5@paginegialle.it	Hitech Room	2021-08-03	5	Edit	Delete
132B78P28J	Ingrid Lathwood	ilathwood6@eventbrite.com	Meeting Room	2020-09-24	2	Edit	Delete
132C74X34E	Riki Westraw	rwestraw7@is.gd	Gymnastic	2021-06-09	1	Edit	Delete
132A25P07E	Riccardo Mayhow	rmayhowe@last.fm	Auditorium	2020-10-23	4	Edit	Delete
132C58Q41N	Kara Naire	knaired@peworld.com	Meeting Room	2021-06-15	6	Edit	Delete
132C35X56E	Ronny Bernardoux	rbernardoux@reference.com	Gymnastic	2021-04-04	6	Edit	Delete
132A27P56J	John Doe	john@douglascollege.ca	Hitech Room	2021-07-19	5	Edit	Delete

Figure 3: Editing a record by clicking the edit link. Notice the record being displayed in the Edit reservation form.

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Edit Reservation - 132C18X00J

Reservation ID: 132C18X00J

Full Name:

Email:

Date Join:

Length:

Facility:

Current Data

Reservation ID	Full Name	Email	Facility	Date	Length	Edit	Delete
132C28P25J	Freida Yanele	fyanele0@npr.org	Seminar Room	2021-03-09	5	Edit	Delete
132C18X00J	Graham Giveen	ggiveen1@simplemachines.org	Hitech Room	2021-09-27	5	Edit	Delete
132C52X14E	Edward Dobeson	edobeson3@addtoany.com	Auditorium	2021-07-16	6	Edit	Delete
132A39X02N	Haven Busst	hbusst4@google.co.uk	Seminar Room	2021-07-02	1	Edit	Delete
132A34X67E	Vere Commucci	vcommucci5@paginegialle.it	Hitech Room	2021-08-03	5	Edit	Delete
132B78P28J	Ingrid Lathwood	ilathwood6@eventbrite.com	Meeting Room	2020-09-24	2	Edit	Delete
132C74X34E	Riki Westraw	rwestraw7@is.gd	Gymnastic	2021-06-09	1	Edit	Delete
132A25P07E	Riccardo Mayhow	rmayhowe@last.fm	Auditorium	2020-10-23	4	Edit	Delete
132C58Q41N	Kara Naire	knaired@peworld.com	Meeting Room	2021-06-15	6	Edit	Delete
132C35X56E	Ronny Bernardoux	rbemardoux@reference.com	Gymnastic	2021-04-04	6	Edit	Delete
132A27P56J	John Doe	john@douglascollege.ca	Hitech Room	2021-07-19	5	Edit	Delete

Figure 4: Assuming that the reservation record with reservation id 132C18X00J is changed such that the facility become **Meeting Room. After the Edit button is clicked, the record in the database is updated, and the updated list is displayed. The add Reservation record is displayed as well.**

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Add Reservation

Reservation ID:

Full Name:

Email:

Date:

Length:

Facility:

Current Data

Reservation ID	Full Name	Email	Facility	Date	Length	Edit	Delete
132C28P25J	Freida Yanele	fyanele0@npr.org	Seminar Room	2021-03-09	5	Edit	Delete
132C18X00J	Graham Giveen	ggiveen1@simplemachines.org	Meeting Room	2021-09-27	5	Edit	Delete
132C52X14E	Edward Dobeson	edobeson3@addtoany.com	Auditorium	2021-07-16	6	Edit	Delete
132A39X02N	Haven Busst	hbusst4@google.co.uk	Seminar Room	2021-07-02	1	Edit	Delete
132A34X67E	Vere Commucci	vcommucci5@paginegialle.it	Hitech Room	2021-08-03	5	Edit	Delete
132B78P28J	Ingrid Lathwood	ilathwood6@eventbrite.com	Meeting Room	2020-09-24	2	Edit	Delete
132C74X34E	Riki Westraw	rwestraw7@is.gd	Gymnastic	2021-06-09	1	Edit	Delete
132A25P07E	Riccardo Mayhow	rmayhowe@last.fm	Auditorium	2020-10-23	4	Edit	Delete
132C58Q41N	Kara Naire	knaired@peworld.com	Meeting Room	2021-06-15	6	Edit	Delete
132C35X56E	Ronny Bernardoux	rbemardoux@reference.com	Gymnastic	2021-04-04	6	Edit	Delete
132A27P56J	John Doe	john@douglascollege.ca	Hitech Room	2021-07-19	5	Edit	Delete

Figure 5: We are about to click the Delete link for the reservation record 132C28P25J.

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Add Reservation

Reservation ID	<input type="text" value="132AXXAXXA"/>
Full Name	<input type="text"/>
Email	<input type="text"/>
Date	<input type="text" value="yyyy-mm-dd"/> <input type="button" value=""/>
Length	<input type="text"/>
Facility	<input type="text" value="Meeting Room"/>
<input type="button" value="Add Reservation"/>	

Current Data

Reservation ID	Full Name	Email	Facility	Date	Length	Edit	Delete
132C28P25J	Freida Yanele	fyanele0@npr.org	Seminar Room	2021-03-09	5	Edit	Delete
132C18X00J	Graham Giveen	ggiveen1@simplemachines.org	Meeting Room	2021-09-27	5	Edit	Delete
132C52X14E	Edward Dobeson	edobeson3@addtoany.com	Auditorium	2021-07-16	6	Edit	Delete
132A39X02N	Haven Busst	hbusst4@google.co.uk	Seminar Room	2021-07-02	1	Edit	Delete
132A34X67E	Vere Commucci	vcommucci5@paginiegialle.it	Hitech Room	2021-08-03	5	Edit	Delete
132B78P28J	Ingrid Lathwood	ilathwood6@eventbrite.com	Meeting Room	2020-09-24	2	Edit	Delete
132C74X34E	Riki Westraw	rwestraw7@is.gd	Gymnastic	2021-06-09	1	Edit	Delete
132A25P07E	Riccardo Mayhow	rmayhowc@last.fm	Auditorium	2020-10-23	4	Edit	Delete
132C58Q41N	Kara Naire	knaird@pcworld.com	Meeting Room	2021-06-15	6	Edit	Delete
132C35X56E	Ronny Bernardoux	rbernardoux@reference.com	Gymnastic	2021-04-04	6	Edit	Delete
132A27P56J	John Doe	john@douglascollege.ca	Hitech Room	2021-07-19	5	Edit	Delete

Figure 6: The reservation record 132C28P25J is deleted from the database. It does not appear in the reservation list anymore.

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Add Reservation

Reservation ID	<input type="text" value="132AXXAXXA"/>
Full Name	<input type="text"/>
Email	<input type="text"/>
Date	<input type="text" value="yyyy-mm-dd"/> <input type="button" value=""/>
Length	<input type="text"/>
Facility	<input type="text" value="Meeting Room"/>
<input type="button" value="Add Reservation"/>	

Current Data

Reservation ID	Full Name	Email	Facility	Date	Length	Edit	Delete
132C18X00J	Graham Giveen	ggiveen1@simplemachines.org	Meeting Room	2021-09-27	5	Edit	Delete
132C52X14E	Edward Dobeson	edobeson3@addtoany.com	Auditorium	2021-07-16	6	Edit	Delete
132A39X02N	Haven Busst	hbusst4@google.co.uk	Seminar Room	2021-07-02	1	Edit	Delete
132A34X67E	Vere Commucci	vcommucci5@paginiegialle.it	Hitech Room	2021-08-03	5	Edit	Delete
132B78P28J	Ingrid Lathwood	ilathwood6@eventbrite.com	Meeting Room	2020-09-24	2	Edit	Delete
132C74X34E	Riki Westraw	rwestraw7@is.gd	Gymnastic	2021-06-09	1	Edit	Delete
132A25P07E	Riccardo Mayhow	rmayhowc@last.fm	Auditorium	2020-10-23	4	Edit	Delete
132C58Q41N	Kara Naire	knaird@pcworld.com	Meeting Room	2021-06-15	6	Edit	Delete
132C35X56E	Ronny Bernardoux	rbernardoux@reference.com	Gymnastic	2021-04-04	6	Edit	Delete
132A27P56J	John Doe	john@douglascollege.ca	Hitech Room	2021-07-19	5	Edit	Delete

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