



## Assignment 5

Due date: November 17<sup>th</sup>, 2022

Total: 10 points

### Creating a GUI

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Your task is to extend the application demonstrated in Lecture 11 and add the new, update, and delete functionality to the application.

Your first task is to Change the name of the main dialog to <your name> Contact Form.

The New functionality shall:

1. Add a new user with any fields that have values
2. A first and last name is a required for the submission, so that must be checked before proceeding to write to the database.
3. A new ID shall be generated for each user and that ID shall not be duplicated in the database
4. You can use the same pattern that is in the code to write to the database. Instead of a select, you will be doing an insert.

The update functionality shall:

1. Update all database attributes for the selected user based on the field entries
2. The ID is already retrieved for you, so you must grab that value from the userid label.
3. Be sure to update only the selected user's data and no other users.

The delete functionality shall:

1. Delete only the record that is selected
2. Refresh the selection list by retrieving the records from the database.

### Submission

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Submit a compressed zip file with all source code on D2L under Assignment 5.

### Assessment

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10 points - The GUI is implemented without errors

### Learning Outcomes

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This assignment is designed to introduce the student to a simple GUI that communicates with the database to do simple crud operations.



## Disclaimer

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Please review the syllabus on academic integrity and the submission policy. I will follow both strictly, so please adhere to the policy for each subsequent assignment or project.