University of Larbi Ben Mhidi Oum El Bouaghi
Faculty of Exact Sciences and Life and Natural Sciences
Department of Mathematics and Computer Science

Study stream : Computer Science
Level: 2nd Year Bachelor's Degree
Module: DataBase
Instructor: Dr. Bouneb M.

Practical Work N°04

Objectives:

Part 01*: Master the use of forms to facilitate database management.*

Part 02*: Practical exercise.*

Note*: Try to apply proper formatting to your forms.*

Part 01

Database for a medical clinic management system (from PW02):

1. ***Create a columnar form*** *for the Patient table named create_patient.*
2. *Add buttons with the following functionalities (using icons provided by the wizard):*
    - ***First****: Access the first record.*
    - ***Previous****: Access the previous record.*
    - ***Next****: Access the next record.*
    - ***Last****: Access the last record.*
    - ***Save****: Save the current record.*
    - ***Close****: Close the form.*
3. *Input patient data into the form.*
4. ***Create a tabular form*** *to display patients.*
5. ***Create a columnar form*** *for the Doctor table with the same buttons as the create_patient form.*
6. ***Create a tabular form*** *to display doctors.*
7. ***Create a columnar form*** *for the Appointments table, named create_appointment, with the following buttons:*
    - ***Save****: Save the appointment.*
    - ***New Patient****: Open the create_patient form to add a new patient.*

- ***Refresh**: Refresh the form data to include newly added patients.*
- ***Close**: Close the form.*

***Note**:*

- *Use a multi choice list containing patient names to input the Patient ID.*
- *Use a multi choice list containing doctor names to input the Doctor ID.*

8. ***Create a tabular form** for the Appointments table, named display_appointments.*
9. ***Create a columnar form** for the Visits table, named create_visit, with the following buttons:*
    - ***Save**: Save the visit.*
    - ***Delete**: Delete a record.*
    - ***Close**: Close the form.*

***Note**:*

- *Use a multi choice list containing patient names to input the Patient ID.*
- *Use a multi choice list containing doctor names to input the Doctor ID.*

10. ***Create a tabular form** for the Visits table, named display_visits.*
11. ***Create a welcome form** for the database to navigate through the various forms. This navigation form should have four horizontal tabs (Patient, Doctor, Appointments, Visits), where each tab contains two vertical navigation elements: **Create** and **Display**, linked to the corresponding forms created earlier.*

Part 02

Database for managing a furniture store (from TP02):

This database contains the tables: Client, Item, Order.

1. *Use the **form wizard** to create the following forms:*
    - *create_client and display_client.*
    - *create_item and display_item.*
    - *create_order and display_order.*

2. ***Create a welcome form*** *for the database to navigate through the various forms. This navigation form should have three horizontal tabs (Client, Item, Order), where each tab contains two vertical navigation elements:* ***Create*** *and* ***Display****, linked to the corresponding forms created earlier.*
3. *Add a* ***Close*** *button to the welcome form to close it.*

Note*:*

For all forms of type ***create****, add a* ***Save*** *button to save a new record.*