Instructions

1. Perform the steps provided in the activity section.
2. Inform the laboratory personnel once you have completed.

Objectives

At the end of the activity, the student will be able to:

1. Design a form using Swing controls and a Jframe.
2. Apply basic functionality to check the values of the controls based on user input.

Activity

1. Create a new Java application project.
2. Add a JFrame and design a registration form like the image

3. Apply the following settings:

   ● University dropdown values are UST, FEU, AMA, STI, UE, Others
   ● Academic year of PhD should contain "2000, 2001, up to 2025"
4. The following will be performed when the user clicks on the "Submit" button:
   ● Firstname and lastname are required. If one is empty, display the error message "Name is required" using JOptionPane.
   ● University is required. If no selected university, display the error message "University is required" using JOptionPane.
   ● Academic year is required. If no academic year is selected, display the error message "Academic year is required" using the JOptionPane.
   ● If all required has been satisfied, display all the input and selection like the one below using JOptionPane or console display.

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Name: Dela Cruz, Juan

University: Others

Others: UP Diliman

Academic year: 2022

Assignment

Format: Short bond paper, hand written

Due date: August 18, 2025

Answer the following:

1. What is Java JDBC?
2. What is Java ResultSet? Provide examples of code using ResultSet.
3. What are the three types of ResultSet?