

CLO01P (30)	
TOTAL (30)	
(%)	

DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY
COURSEWORK ASSESSMENT (Session 1: 2021/2022)

Name : _____	Registration No. : _____
Code & Course : DFP50043 Integrative Programming & Technologies	Programme : DDT
Lecturer : _____	Week (Date) : W12 (20.12.21 – 24.12.21)
Practical Task (s) No. : <u>1 / 2</u> [CLO: CLO01]	Submission Date : 2 hours

Instruction (s):

1. Answer all the question(s).
2. Write your details on the top of the code.
3. Prepare a PDF report based on the report template given in *appendix 1*.
4. Compress report and project files together and submit it to submission platform in CIDOS.
5. Refer the marking rubric to complete your task.

Question (s)

1. Create **TWO (2)** Graphical User Interface (GUI) components to imitate the user interface sample shown in Figure 1 and Figure 2. Use **TWO (2)** separate Java's class (file). [CLO1, P4]
2. Arrange the components by nesting multiple layout manager. [CLO1, P4]
3. Write **TWO (2)** Java's function to *load the driver* and to *establish the JDBC connection*. Place the function in respective Java's class. [CLO1, P4]
4. Implement event – handling to check each of the operation status which is to *load the driver* and *establish the JDBC connection*. The status of the operation should be display using **JOptionPane** as in Figure 3. [CLO1, P4]

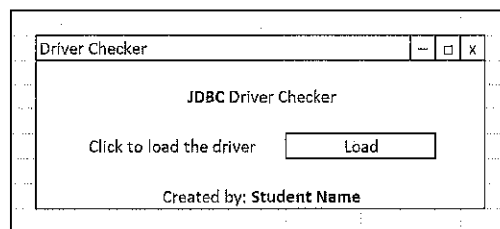


Figure 1: Driver Checker

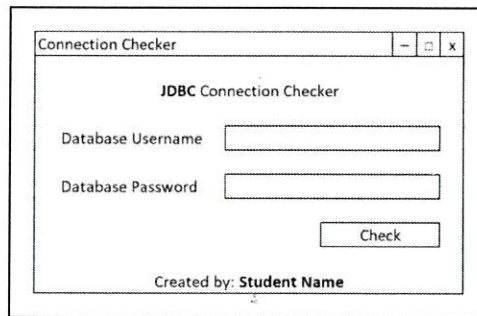


Figure 2: Connection Checker

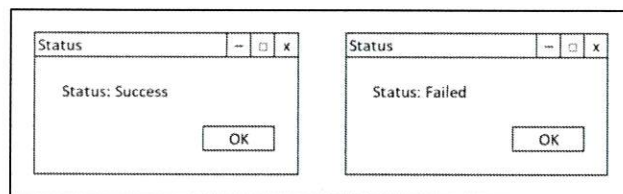


Figure 3: JOptionPane

Tip (s)

The *Driver Checker* will be the main class of the application. If its status is success, the program will automatically open the *Connection Checker*. *Connection Checker* will be display if and only if the status of the *Driver Checker* status is success

Prepared by:

Course Coordinator

Mohd. Faiz bin Tony

Date: 14/12/2021

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Head of Programme

Rohaliza binti Karim

Date: 14/12/2021

PRACTICAL TASK 2 REPORT

Program Output (s):

<<insert your program output image here>>

Program Code (s):

<<FileName1.java>>

<<paste your code here>>

<<FileName2.java>>

<<copy and paste the table if you have multiple files>>



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DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY
ANSWER & MARKING SCHEME RULES (Session 1: 2021/2022)

CODE / COURSE NAME : DFP50043 INTEGRATIVE PROGRAMMING & TECHNOLOGIES

PRACTICAL TASK (S) : 1, 2

CLO	Criteria	No Submission / Error	Very Poor	Poor	Fair	Good	Excellent	Weightage	Score
CLO01P	Component Identification & development	Student did not submit any assessment	Unable to identify the appropriate component and develop the identified component	Able to partially identify the appropriate component and develop the components incorrectly	Able to identify all the appropriate component but unable to develop it correctly	Able to identify all the appropriate components and able to develop the components correctly but not following the best practice method	Able to identify all the appropriate components and able to develop the components correctly following the best practice method	2	
	Layout manager implementation	There is no implementation of any layout manager	There is layout manager implemented either 1,2 or 3 but the program unable to display any functional layout manager or the program throw an error	Students implement 1 functional layout manager, and the implementation clearly show the usage of the layout manager	Students implement 2 functional layout managers, and the implementation clearly show the usage of the layout manager	Students implement 3 or more functional layout manager, and the implementation clearly show the usage of the layout manager	Students implement 3 or more functional layout manager, and the implementation clearly show the usage of the layout manager & clearly readable	1	
	Event-handling implementation (Navigation)	There is no implementation of authentication module	The program unable to navigate between JFrame but there is implementation made (Based on code)	The program able to navigate between JFrame but the implementation is wrong	The program able to navigate between the JFrame but not following the required logical sequence	The program able to navigate between the JFrame without any error but the implementation is not structured	The program able to navigate between the JFrame without any error and the implementation is very structured	1	

	Event-handling implementation (Driver Checker)	There is no implementation made	The program unable to check driver loading operation and display the status but there is implementation made (Based on code)	The program able to check driver loading operation but unable to display any status	The program able to check driver loading operation but unable to display the status correctly	The program able to check driver loading operation and display the status without any error but the implementation is not structured	The program able to check driver loading operation and display the status without any error and the implementation is very structured	1	
	Event-handling implementation (Connection Checker)	There is no implementation made	The program unable to check JDBC connection and display the status but there is implementation made (Based on code)	The program able to check JDBC connection but unable to display any status	The program able to check JDBC connection but unable to display the status correctly	The program able to check JDBC connection and display the status without any error but the implementation is not structured	The program able to check JDBC connection and display the status without any error and the implementation is very structured	1	

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