



CLO01P ()	
TOTAL ()	
%	

Marks

**DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY
COURSE WORK ASSESSMENT (SESSION II : 2022/2023)**

Name : _____ Registration No. : _____
Code & Course : DFP40233 & Visual Basic Programming Programme : DDT
Lecturer : _____ Week (Date) : Week 14 (22 - 28/05/2023)
Project : 2 [CLO: CLO01P] Submission Date : _____

Instruction (s): Answer ALL questions. You are advised to put your name and registration number on top of your code.

QUESTIONS: [CLO01 – P4]

You are a non-profit organization that works to improve the lives of people living in poverty. One of your current initiatives is to provide micro-loans to people who are starting small businesses in their communities. You want to create a software application that can help manage these loans and track the progress of the businesses. The loan officers should be able to input loan data and track loan repayments, while the borrowers should be able to input their business data and track their progress.

1. Develop five out of the following forms in order to create the application. Use as many varieties of form control or third-party control to enhance your application
 - Dashboard: A dashboard could be created to provide an at-a-glance view of key program metrics, such as the number of loans disbursed, the amount of money lent, and the repayment rate. This could help the non-profit organization quickly assess the overall success of the program.
 - Loan Application Form: This form would be used by prospective borrowers to apply for a micro-loan. It would include fields for personal information, business information, and loan amount requested.
 - Loan Approval Form: This form would be used by loan officers to approve or deny loan applications. It would include fields for loan amount, interest rate, repayment schedule, and any other terms and conditions.
 - Risk level form: This form would display the user's risk level based on their reported symptoms and other information. The form could include a message informing the user of their risk level, along with guidance on what to do next based on their risk level.
 - Automated Reporting: The student team could also include a feature that automatically generates reports based on predefined

criteria, such as loan disbursements, repayments, and borrower demographics. These reports could be scheduled to run on a regular basis, such as monthly or quarterly, and could be sent to key stakeholders via email or other communication channels.

- **Data Visualization:** To make the reporting more accessible and understandable, the student team could include data visualization tools such as charts and graphs to represent program metrics in an easily digestible format. This could help stakeholders quickly identify trends and patterns in the data.

END OF QUESTION

Prepared by:


MOHD AZLAN BIN AB AZIZ
PENSYARAH
JABATAN TEKNOLOGI MAKLUMAT & KOMUNIKASI
POLITEKNIK MUKAH SARAWAK

(Course Coordinator)

Date : 29/03/2023

Verified by:


ROHALIZA BINTI KARIM
Ketua Program
(DDA/HOD/ATOR/Course Head/Lecturer)ka.
Politeknik Mukah, Sarawak
Date : 29.03.2023

DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY
ANSWER AND MARKING SCHEME RULES (SESSION II : 2022/2023)

Code & Course: DFP40233 & Visual Basic Programming

Project: 2

CLO	CRITERIA / ASPECTS	Very Weak (1)	Weak (2)	Fair (3)	Good (4)	Mark
CLO1 Construct the visual basic program by using .NET frameworks in developing windows Application.	User Interface Design	The user interface is completely incorrect or absent, with no interface implementation	The user interface is incomplete or poorly-designed, with several issues with design, layout, or responsiveness. The interface may be difficult to use or navigate, and some required functionality may be missing or hard to find	The user interface is mostly intuitive and user-friendly, but there may be some minor issues with design, layout, or responsiveness. The interface provides easy access to all required functionality and is responsive to user input	The user interface is intuitive, user-friendly, and visually appealing, with a consistent design and layout. The interface provides easy access to all required functionality and is responsive to user input	
	Functionality Implementation	Most or all required functionality is missing or implemented incorrectly, with significant errors or issues.	Some required functionality is missing or implemented incorrectly, with several errors or issues. Additional functionality beyond the requirements may be present but not well-implemented	All required functionality is mostly implemented correctly, but there may be some minor errors or issues. Additional functionality beyond the requirements may also be present, but it may not be as well-implemented	All required functionality is implemented correctly and efficiently, with no errors or issues. Additional functionality beyond the requirements may also be present and well-implemented	
CLO2 Code Comments	Code Comments	Little or no code is commented, with no explanations of key code elements or design decisions. Comments are absent or poorly-written, with little or no structure or organization. Comments provide no insight into the code, making it difficult for others to understand and modify	Some code is commented, but there are significant gaps in explanation or organization. Comments may be poorly-structured, difficult to understand, or missing important context. Comments provide limited insight into the code, making it somewhat difficult for others to understand and modify	Most code is commented, with explanations of key code elements and design decisions. Comments are mostly well-organized and use clear, concise language, with appropriate formatting and structure. Comments provide some additional context and insight into the code, making it generally easy for others to understand and modify	Most code is thoroughly and thoughtfully commented, with clear explanations of all key code elements and design decisions. Comments are well-organized and use clear, concise language, with appropriate formatting and structure. Comments provide additional context and insight into the code, making it easy for others to understand and modify.	
	Control Usage	The project's controls are poorly chosen and ineffective, leading to confusion and difficulty in using the symptom checker.	The project's controls are somewhat effective, but could be improved with better selection and placement of controls.	The project's controls are effective and appropriate for the task at hand, with controls that are easy to use and understand	The project's controls are outstanding, with an innovative and intuitive selection and placement of controls that enhance the user experience.	
CLO3 Robustness	Robustness	The application does not handle basic error scenarios, such as null reference exceptions or out-of-range errors	The application handles some basic error scenarios, but not all possible scenarios. The application has some basic security measures in place, such as input validation and error logging	The application handles most error scenarios and has robust error handling mechanisms in place	The application has advanced error handling mechanisms in place, such as retry logic and exception filtering. The application is designed with security in mind and has proactive measures to prevent attacks, such as input filtering	

			The project's controls are effectively named, with innovative and intuitive names that enhance the user experience and effectively communicate their purpose and function.
Control Naming	The project's controls are poorly named, with confusing or unclear names that make it difficult for users to understand their purpose or function.	The project's controls are somewhat effectively named, but could be improved with clearer and more descriptive names.	The project's controls are effectively named, with clear and descriptive names that accurately reflect their purpose and function.
Database design and implementation	The database design is incomplete or poorly implemented, with missing or incorrect tables, fields, or relationships.	The database design is adequate, but has some errors or inconsistencies that need to be fixed.	The database design is well-planned and implemented, with all necessary tables, fields, and relationships in place.

MARKING RUBRICS: CLO01P

Prepared by:

MOHD AZLAN BIN AB AZIZ
PENGETAHUAN
JABATAN TEKNOLOGI MAKLUMAT & KOMUNIKASI
POLITEKNIK MUKAH SARAWAK


Date : 29/03/2023

Verified by:

ROHALIZA BINTI KARIM
Ketua Program
Jabatan Teknologi Maklumat dan Komunikasi
Politeknik Mukah, Sarawak
29.03.2023