

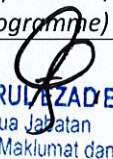
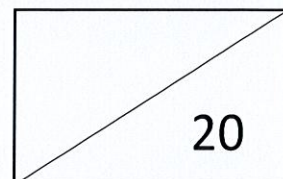
 POLITEKNIK MALAYSIA TUANKU SYED SIRAJUDDIN	DEPARTMENT OF INFORMATION TECHNOLOGY AND COMMUNICATION	SESSION	SESSION 1 2023/2024
		COURSE	DFP40233 VISUAL BASIC PROGRAMMING
		ASSESSMENT METHOD	PROJECT 2
TOPIC	3.0 PROGRAM DESIGN AND CODING 4.0 INCORPORATING DATABASE WITH ADO.NET 5.0 EFFECTIVE AND SECURE CODING		
CLO	PREPARED BY: (Course Lecturer)	CHECKED BY: (Course Coordinator/ Head of Programme)	APPROVED BY: (Head of Department/ Head of Programme)
CLO1 : Construct the visual basic program by using .NET frameworks in developing windows Application. (P4, PLO3)	 MAS AYU BINTI ATAN Pensyarah Jabatan Teknologi Maklumat dan Komunikasi Politeknik Tuanku Syed Sirajuddin	 NOOR HAFIZAH BINTI CHE MEH Ketua Program Jabatan Teknologi Maklumat (Teknologi Digital) Software and Application Development Jabatan Teknologi Maklumat dan Komunikasi Politeknik Tuanku Syed Sirajuddin, Perlis	 MUHAMMAD KHAIRUL AZAD BIN SULAIMAN Ketua Jabatan Jabatan Teknologi Maklumat dan Komunikasi Politeknik Tuanku Syed Sirajuddin Puncu Putra 02000 Arau, Perlis
	Date: 8/9/2023	Date: 8/9/2023	Date: 8/9/2023

NAME : _____

REGISTRATION NUMBER.: _____



Instruction :

Work in a development team that consists of 2 members to build an application based on the question below.

Question :

Build an application that enables users to process applications. The applicant will fill in the required details and then will receive an output. The application based on criteria below. (CLO1, P4)

This project will be evaluated based on the following criteria:


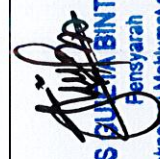
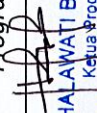
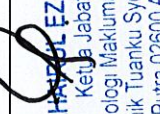
1. Standalone applications using Visual Basic.NET and MySQL.
2. Build an appropriate forms and links so that CRUD features can be implemented. Validate all input from users.
3. Build appropriate code to make all users have at least 3 CRUD features.
4. Link with a database and have at least 5 records.
5. Username and password.
6. Construct an exception handling in your program.

Tools and Software:

- a) Microsoft Visual Studio (any version)
- b) MySQL

Submission:

- a) Presentation will be held during class– be prepared for your presentation!
- b) Submit your project's report during presentation according to the format as below;
 - i. Question's copy
 - ii. Answer : screenshot all interfaces and source code
 - iii. Conclusion / Comment

	DEPARTMENT OF INFORMATION TECHNOLOGY AND COMMUNICATION		SESSION	SESSION 1 2023/2024
			COURSE	DFP40233 VISUAL BASIC PROGRAMMING
			ASSESSMENT METHOD	PROJECT 2 (SCHEME)
TOPIC	3.0 PROGRAM DESIGN AND CODING 4.0 INCORPORATING DATABASE WITH ADO.NET 5.0 EFFECTIVE AND SECURE CODING			
CLO	PREPARED BY: (Course Lecturer)	CHECKED BY: (Course Coordinator/ Head of Programme)	APPROVED BY: (Head of Department/ Head of Programme)	
CLO1 : Construct the visual basic program by using .NET frameworks in developing windows Application.(P4, PLO3)	 MAS BINTI ATAN <small>Pensyarah Jabatan Teknologi Maklumat dan Komunikasi Politeknik Tuanku Syed Sirajuddin</small>	 NOOR HALAWATI BINTI CHE MEH <small>Ketua Program Diploma Teknologi Maklumat (Teknologi Digital) Software and Application Development Track Jabatan Teknologi Maklumat dan Komunikasi Politeknik Tuanku Syed Sirajuddin, Perlis</small>	 MUHAMMAD KHAIRUL EZZAD BIN SULAIMAN <small>Ketua Jabatan Jabatan Teknologi Maklumat dan Komunikasi Politeknik Tuanku Syed Sirajuddin Pauh Putra 02600 Arau, Perlis</small>	
	Date: 8/9/2023	Date: 8/9/2023	Date: 8/9/2023	

ASSESSMENT RUBRIC:

Skills	Very Good	Good	Fair	Poor	Very Poor	Marks
Item / Marks	4	3	2	1	0	
Correctness and Functionality	Program produces correct answers or appropriate results for all inputs tested and fully working.	Program produces correct answers partially or appropriate results for most inputs and fully working.	Program produces correct answers partially or appropriate results for half inputs and working incorrect way.	Program does not produce correct answers or appropriate results for most inputs and working incorrect way.	Program does not produce correct answers or appropriate results for all inputs and not working.	
Syntax	Program compiles and contains no evidence of misunderstanding or misinterpreting the syntax of the language.	Program compiles and is free from major syntactic misunderstandings, but may contain non-standard usage or superfluous elements.	Program compiles, but contains minimal errors that signal misunderstanding of syntax	Program compiles, but contains major errors that signal misunderstanding of syntax	Program does not compile or (in a dynamic language) contains typographical errors leading to undefined names.	

Logic	Program logic is correct, with no known boundary errors, and no redundant or contradictory conditions.	Program logic is mostly correct, but may contain an occasional boundary error or redundant or contradictory conditions.	Program logic is on the right track with no infinite loops, but shows no recognition of boundary conditions	Program contains some conditions that specify the opposite of what is required (less than vs. greater than), confuse Boolean AND/OR operators, or lead to infinite loops.	Program contains minimal conditions that specify the opposite of what is required (less than vs. greater than), confuse Boolean AND/OR operators, or lead to infinite loops.
Clarity	Program contains appropriate documentation for all major functions, variables, or non-trivial algorithms. Formatting, indentation, comment and other white space aids readability.	Program contains some documentation on major functions, variables, or non-trivial algorithms. Indentation, comment and other formatting is appropriate.	Program contains some documentation But has occasionally misleading indentation and comment	Program contains minimal documentation but has occasionally misleading indentation and comment	Program contains no documentation, or grossly misleading indentation and comment
Graphical User Interface (GUI)	Exceptionally attractive and usable layout. It is easy to locate all important elements. Organized material effectively.	Almost usable layout, but may appear busy or boring. It is easy to locate most of the important elements.	Moderately usable layout, but may appear busy or boring. It is easy to locate most of the important elements.	Slightly usable layout, but may appear busy or boring. It is easy to locate most of the important elements.	Cluttered looking or confusing. It is often difficult to locate important elements. Not user friendly.
TOTAL					