

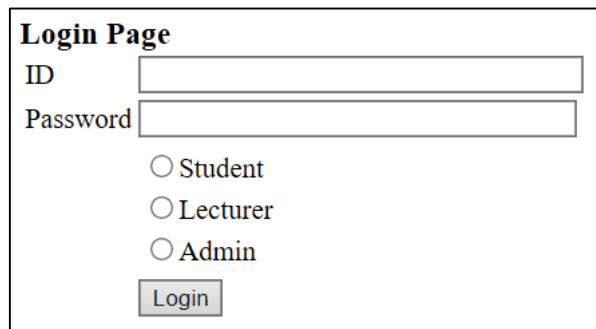
PROJECT DATABASE

Title : Develop Quiz System for Student and Lecturer
Objectives : At the end of the session, students are able to:
i. Design a normalize database
ii. Develop the database
iii. Writing SQL statements
iv. Connecting between the database and user interfaces
Duration : 10 weeks
Programming Language: Any Object-Oriented Programming Language

Below are the basic requirements for the system, you may extend the modules but not decrease it.

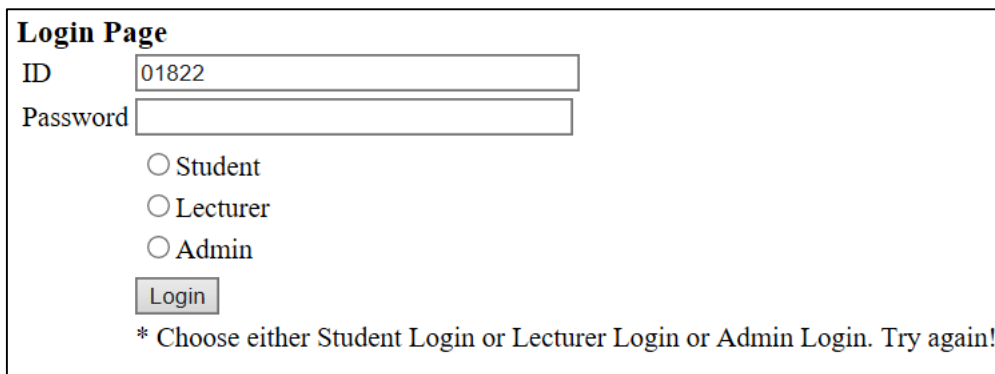
1. Login Page

- a. Error message for wrong username or password. Below are some examples.



The form is titled "Login Page". It contains two input fields: "ID" and "Password". Below these fields are three radio buttons labeled "Student", "Lecturer", and "Admin". At the bottom of the form is a "Login" button.

Fig 1. Login page with ID and password.



The form is titled "Login Page". It contains two input fields: "ID" (with the value "01822") and "Password". Below these fields are three radio buttons labeled "Student", "Lecturer", and "Admin". At the bottom of the form is a "Login" button. Below the "Login" button is an error message: "* Choose either Student Login or Lecturer Login or Admin Login. Try again!".

Fig 2. Error message prompt out if without choose either 'Student' or 'Lecturer'.

Login Page
 ID
 Password
☒ Student
☐ Lecturer
☐ Admin

 * Incorrect Student No or Password. Try again!

Fig 3. Error message for either username or password.

- b. Initially, when admin registered the users (student/admin/lecturer), the default password is the ID. For first login, when user entered the ID and password, the system will force the user to change the new password.

Update Your Password
 New Password
 Confirm Password

Fig 4. Enter the new password.

2. Module for Admin

- a. Register Admin (Add/Update/Delete)
- If the admins have manipulated information (eg. Table Student, Lecturer etc), the admin' profile cannot be deleted. You need to check it before deleting it. For example, admin wish to delete Admin ID "1326", error message as shown in Figure 6.
 - Duplicate data is not allowed.

Register Admin			
Admin ID	Admin Name	Update	Delete
1326	FARIDAH SUPANJI	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
<input type="text" value="2039"/>	<input type="text" value="UMMU ISMAIL"/>	<input type="button" value="Update"/> <input type="button" value="Cancel"/>	<input type="button" value="Delete"/>
<input type="text"/>	<input type="text"/>		<input type="button" value="Add"/>
1			

Fig 5. Allow admin to add/update/delete new admins.

Register Admin			
Admin ID	Admin Name	Update	Delete
1326	FARIDAH SUPANJI	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
2039	UMMU ISMAIL	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
<input type="text"/>	<input type="text"/>		<input type="button" value="Add"/>
1			
*Unsuccessful! Admin data is being used at other tables.			

Fig 6. Data is locked, because it being used at other table.

b. Register Students (Add/Update/Delete)

- Condition: If the students have register under certain subject, the students' profile cannot be deleted. You need to check it before deleting it.
- Duplicate data is not allowed.

Register Student						
Student ID	Student Name	Student Email	Modified By	Modified On	Update	Delete
AI160085	ABDUL RAHMAN BIN AMZAL	AI160085@siswa.uthm.edu.my	FARIDAH SUPANJI BINTI BLA BLA BLA	2/2/2021 3:51:04 PM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
AI160168	AHMAD KAMIL BIN KAMARUDDIN MALIK	AI160168@siswa.uthm.edu.my	FARIDAH SUPANJI BINTI BLA BLA BLA	2/2/2021 3:51:22 PM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
AI160191	CHAI CHEEN SHUN	AI160191@siswa.uthm.edu.my	FARIDAH SUPANJI BINTI BLA BLA BLA	2/2/2021 3:51:42 PM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
AI160190	CHAN WEI LIANG	AI160190@siswa.uthm.edu.my	FARIDAH SUPANJI BINTI BLA BLA BLA	2/2/2021 3:51:59 PM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
AI160030	FARAH HANANI BINTI ZOLKARNAIN	AI160030@siswa.uthm.edu.my	FARIDAH SUPANJI BINTI BLA BLA BLA	2/2/2021 3:52:27 PM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
AI160257	AATHI	AI160257@siswa.uthm.edu.my	FARIDAH SUPANJI BINTI BLA BLA BLA	17/2/2021 10:43:32 AM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
AI180002	ZARIF ISHAK	AI180002@siswa.uthm.edu.my	NORWAN SAMSUDIN BIN ABDULLAH	19/2/2021 2:21:11 PM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
<input type="text" value="AI190161"/>	<input type="text" value="ARMISHA"/>				<input type="button" value="Add"/>	
1						

Fig 7. Allow admin to add/update/delete new students.

c. Register Lecturer (Add/Update/Delete)

- Condition: If the lecturers have been assigned to certain subject, the lecturers' profile cannot be deleted. You need to check it before deleting it.
- Duplicate data is not allowed.

Register Lecturer						
Lecturer ID	Lecturer Name	Modified By	Modified On	Update	Delete	
1822	CHUAH CHAI WEN	FARIDAH SUPANJI BINTI BLA BLA BLA	2/2/2021 3:46:54 PM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	
2266	SHAREEN KASIM	FARIDAH SUPANJI BINTI BLA BLA BLA	2/2/2021 3:47:33 PM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	
783	NURHANIFAH MURLI	FARIDAH SUPANJI BINTI BLA BLA BLA	2/2/2021 3:48:11 PM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	
2222	SOFIA NAJWA	FARIDAH SUPANJI BINTI BLA BLA BLA	17/2/2021 10:42:47 AM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	
4444	MUNIRAH YUSOF	NORWAN SAMSUDIN BIN ABDULLAH	19/2/2021 2:20:13 PM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	
<input type="text" value="1234"/>	<input type="text" value="NURUL HIDAYAH"/>			<input type="button" value="Add"/>		
1						

Fig 8. Allow admin to add/update/delete new lecturers.

d. Register Subject (Add/Update/Delete)

- i. Condition: If the subjects have owner, the subjects cannot be deleted.
You need to check it before deleting it.
- ii. Duplicate data is not allowed.

Register Subject					
Subject Code	Subject Name	Modified By	Modified On	Update	Delete
BIC20904	OBJECT ORIENTED PROGRAMMING	FARIDAH SUPANJI BINTI BLA BLA BLA	2/2/2021 3:49:11 PM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
BIS20404	CRYPTOGRAPHY	FARIDAH SUPANJI BINTI BLA BLA BLA	2/2/2021 3:49:32 PM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
BIC10303	ALGEBRA	FARIDAH SUPANJI BINTI BLA BLA BLA	2/2/2021 3:50:11 PM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
BIC 11111	MATH	FARIDAH SUPANJI BINTI BLA BLA BLA	17/2/2021 10:43:06 AM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
BIT 20803	DATABASE	NORWAN SAMSUDIN BIN ABDULLAH	19/2/2021 2:20:33 PM	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
<input type="text" value="BIC 21404"/>	<input type="text" value="DATABASE"/>				<input type="button" value="Add"/>

Fig 9. Allow admin/lecturer to add/update/delete new subjects.

e. Register Workload Lecturer (Add/Update/Delete)

- i. Condition: If the lecturer has created quiz for the subject, the subject cannot be deleted. You need to check it before deleting it.
- ii. Duplicate data is not allowed.
- iii. The drop down lists are dynamic, it retrieved from database.

Assign Workload Lecturer			
No	Lecturer	Subject	Update Delete
1	CHUAH CHAI WEN	CRYPTOGRAPHY	<input type="button" value="Update"/> <input type="button" value="Delete"/>
2	CHUAH CHAI WEN	OBJECT ORIENTED PROGRAMMING	<input type="button" value="Update"/> <input type="button" value="Delete"/>
3	SHAREEN KASIM	ALGEBRA	<input type="button" value="Update"/> <input type="button" value="Delete"/>
4	NURHANIFAH MURLI	SPECIAL TOPIC INFORMATION SECURITY	<input type="button" value="Update"/> <input type="button" value="Delete"/>
5	SOFIA NAJWA	MATH	<input type="button" value="Update"/> <input type="button" value="Delete"/>
6	MUNIRAH YUSOF	DATABASE SYSTEM	<input type="button" value="Update"/> <input type="button" value="Delete"/>
1	<input type="text" value="CHUAH CHAI WEN"/>	<input type="text" value="Please Choose"/> <div> Please Choose OBJECT ORIENTED PROGRAMMING CRYPTOGRAPHY SPECIAL TOPIC INFORMATION SECURITY ALGEBRA MATH DATABASE SYSTEM DATABASE </div>	<input type="button" value="Add"/>

Fig 10. Allow admin to assign workloads for lecturers.

3. Module for Lecturer

- a. Lecturer can view the quiz result and create quiz
 - i. There are two types of quiz: True/False and Multiple Choices/Objectives.

Your Subject List				
No	Subject	Create Assignment/Tutorial	Quiz True/False	Quiz Objective
1	CRYPTOGRAPHY	Create	Result Create/View Quiz	Result Create/View Quiz
2	OBJECT ORIENTED PROGRAMMING	Create	Result Create/View Quiz	Result Create/View Quiz
3	DATABASE	Create	Result Create/View Quiz	Result Create/View Quiz
1				

Fig 11. After login. The lecturer can view their subject list.

- ii. Quiz: True/False. Lecturer can create any number of questions. No limited.

List Subject Log Out					
Subject Name: DATABASE					
Subject Code: BIC 21404					
No	Question	True?	Modified By	Modified On	Update Delete
1	RDBMS is an acronym for Relational Database Management System	<input checked="" type="checkbox"/>	CHUAH CHAI WEN	4/4/2021 11:03:43 AM	Update Delete
2	The process of performing corrections on the existing data is Editing	<input checked="" type="checkbox"/>	CHUAH CHAI WEN	4/4/2021 11:04:20 AM	Update Delete
3	DBMS is an acronym for "Database Merging System"	<input type="checkbox"/>	CHUAH CHAI WEN	4/4/2021 11:04:53 AM	Update Delete
1	<input type="text"/>	<input type="checkbox"/>			Add

Fig 12. Lecturer can add/update/delete the quiz (True/False).

List Subject

Log Out

Subject Name: DATABASE

Subject Code: BIC 21404

No	Student Name	Student ID	Result Quiz True/False
1	ARMISHA	AI190161	2
2	ABDUL RAHMAN BIN AMZAL	AI160085	6
3	AHMAD KAMIL BIN KAMARUDDIN MALIK	AI160168	

1

Number students pass: 1. Number students fail: 1

Fig 13. Lecturer can view the result of students (Quiz True/False). The result will show the number of passes and the number of fails. If there are 3 questions, the full mark is 6 marks, the passing mark is 3. If there are 20 questions, the full mark is 40, the passing mark is 20. Empty mean the student not yet take the quiz.

- iii. Quiz: Multiple Choices. Lecturer can create any number of questions. No limited.

List Subject		Log Out								
Subject Name: DATABASE										
Subject Code: BIC 21404										
No	Question	Answer A	Answer B	Answer C	Answer D	Correct Answer	Modified By	Modified On	Update	Delete
1	A report is printed information based on	Data	Form	Input	Query	D	CHUAH CHAI WEN	4/4/2021 11:06:39 AM	Update	Delete
2	The set of processed data is called	Database	Information	Datum	Data	B	CHUAH CHAI WEN	4/4/2021 11:07:06 AM	Update	Delete
3	A row in a table represents	Record	Field	File	Column	A	CHUAH CHAI WEN	4/4/2021 11:09:50 AM	Update	Delete
<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Add			
1										

Fig 14. Lecturer can add/update/delete the quiz (Multiple Choices).

List Subject

Log Out

Subject Name: DATABASE

Subject Code: BIC 21404

No	Student Name	Student ID	Result Quiz Objective
1	ARMISHA	AI190161	6
2	ABDUL RAHMAN BIN AMZAL	AI160085	6
3	AHMAD KAMIL BIN KAMARUDDIN MALIK	AI160168	

1

Number students pass: 2. Number students fail: 0

Fig 15. Lecturer can view the result of students (Quiz Multiple Choices). The result will show the number of passes and the number of fails. If there are 10 questions, the full mark is 20 marks, the passing mark is 10. If there are 20 questions, the full mark is 40, the passing mark is 20. Empty mean the student not yet take the quiz.

- iv. Create/View Assignment/Tutorial/Lab: Lecturer can create and view assignment/tutorial/lab.

Subject Name: DATABASE
 Subject Code: BIC 21404
 Assignment/Tutorial/Lab:
 File: No file chosen

No	Assignment/Tutorial/Lab	File Name	Modified By	Modified On	View Content	View Submission	Delete
1	Lab 1	BIC21404_Labsheet1 - 2021.doc	CHUAH CHAI WEN	4/4/2021 11:07:58 AM	<input type="button" value="View"/>	<input type="button" value="Submission"/>	<input type="button" value="Delete"/>
2	Lab 2	BIC21404_Labsheet2 - 2021.docx	CHUAH CHAI WEN	4/4/2021 11:08:11 AM	<input type="button" value="View"/>	<input type="button" value="Submission"/>	<input type="button" value="Delete"/>

1

Fig 16. Lecturer can create assignment or tutorial or lab. Browse the document and upload to the database.

Subject Name: DATABASE
 Subject Code: BIC 21404
 Assignment/Tutorial/Lab: Lab 1

No	STUDENT NAME	STUDENT NUMBER	File Name	View Content
1	ARMISHA	AI190161	Answer Lab 1 - AI190161.docx	<input type="button" value="View"/>
2	ABDUL RAHMAN BIN AMZAL	AI160085	Answer Lab 1 - AI160085.docx	<input type="button" value="View"/>

1



 Answer Lab 1 - A....docx
 11.1/11.1 KB

Fig 17. Lecturer can view who submitted the assignment or tutorial or lab. Lecturer can download the submitted file.

4. Module Student

- a. Student can register their subject(s).

Subject List Registered
Log Out

Student Register Subject:

No	Lecturer	Subject	Register
1	CHUAH CHAI WEN	CRYPTOGRAPHY	<button>Register</button>
2	CHUAH CHAI WEN	OBJECT ORIENTED PROGRAMMING	<button>Register</button>
3	SHAREEN KASIM	ALGEBRA	<button>Register</button>
4	NURHANIFAH MURLI	SPECIAL TOPIC INFORMATION SECURITY	<button>Register</button>
5	SOFIA NAJWA	MATH	<button>Register</button>
6	MUNIRAH YUSOF	DATABASE SYSTEM	<button>Register</button>
7	CHUAH CHAI WEN	DATABASE	<button>Register</button>

1
*Successful!

Fig 18. Student may choose the subject.

Subject List Registered
Log Out

Student Register Subject:

No	Lecturer	Subject	Register
1	CHUAH CHAI WEN	CRYPTOGRAPHY	<button>Register</button>
2	CHUAH CHAI WEN	OBJECT ORIENTED PROGRAMMING	<button>Register</button>
3	SHAREEN KASIM	ALGEBRA	<button>Register</button>
4	NURHANIFAH MURLI	SPECIAL TOPIC INFORMATION SECURITY	<button>Register</button>
5	SOFIA NAJWA	MATH	<button>Register</button>
6	MUNIRAH YUSOF	DATABASE SYSTEM	<button>Register</button>
7	CHUAH CHAI WEN	DATABASE	<button>Register</button>

1
*You already registered the subject!

Fig 19. Student is not allowed to register the same subject twice. Error message “You already registered the subject” will prompt out.

- b. Student may view the subject that he/she registered.

Register Subject
Log Out

Subject List:

No	Lecturer	Subject	Task	Mark T/F	Quiz T/F	Mark Subjective	Quiz Subjective
1	CHUAH CHAI WEN	DATABASE	<button>View</button>		<button>View</button>		<button>View</button>
2	CHUAH CHAI WEN	CRYPTOGRAPHY	<button>View</button>		<button>View</button>		<button>View</button>
3	SOFIA NAJWA	MATH	<button>View</button>		<button>View</button>		<button>View</button>

1

Fig 20. List of subjects that the student registered.

- c. Student may take the quiz (True/False) if he/she never take it or “ZERO” mark.

Subject List Registered
Log Out

Subject Name: DATABASE
Subject Code: BIC 21404

No	Question	True or False	Confirm Your Answer
1	RDBMS is an acronym for Relational Database Management System	<input type="radio"/> True <input type="radio"/> False	<input type="button" value="Confirm"/>
2	The process of performing corrections on the existing data is Editing	<input type="radio"/> True <input type="radio"/> False	<input type="button" value="Confirm"/>
3	DBMS is an acronym for "Database Merging System"	<input type="radio"/> True <input type="radio"/> False	<input type="button" value="Confirm"/>
			<input type="button" value="Finish Quiz"/>

1

Fig 21. Student takes the quiz for the first time.

Subject List Registered
Log Out

Subject Name: DATABASE
Subject Code: BIC 21404

No	Question	True or False	Confirm Your Answer
1	RDBMS is an acronym for Relational Database Management System	<input type="radio"/> True <input checked="" type="radio"/> False	<input type="button" value="Confirm"/>
2	The process of performing corrections on the existing data is Editing	<input type="radio"/> True <input checked="" type="radio"/> False	<input type="button" value="Confirm"/>
3	DBMS is an acronym for "Database Merging System"	<input checked="" type="radio"/> True <input type="radio"/> False	<input type="button" value="Confirm"/>
			<input type="button" value="Finish Quiz"/>

1

Thank you! Your marks are 0/6

Fig 22. Student got zero marks. He/she is allowed to retake the quiz.

Register Subject

Log Out

Subject List:

No	Lecturer	Subject	Task	Mark T/F	Quiz T/F	Mark Subjective	Quiz Subjective
1	CHUAH CHAI WEN	DATABASE	<div>View</div>	0	<div>View</div>		<div>View</div>
2	CHUAH CHAI WEN	CRYPTOGRAPHY	<div>View</div>		<div>View</div>		<div>View</div>
3	SOFIA NAJWA	MATH	<div>View</div>		<div>View</div>		<div>View</div>

1

Fig 23. The subject list showed the result of quiz. He/she is allowed to retake the quiz.

Subject List Registered | Log Out

Subject Name: DATABASE
Subject Code: BIC 21404

No	Question	True or False	Confirm Your Answer
1	RDBMS is an acronym for Relational Database Management System	<input checked="" type="radio"/> True <input type="radio"/> False	<input type="button" value="Confirm"/>
2	The process of performing corrections on the existing data is Editing	<input checked="" type="radio"/> True <input type="radio"/> False	<input type="button" value="Confirm"/>
3	DBMS is an acronym for "Database Merging System"	<input type="radio"/> True <input checked="" type="radio"/> False	<input type="button" value="Confirm"/>

1
Thank you! Your marks are 2/6

Fig 24. Student retakes the quiz. He/she got 2/6. Noted that each question mark is 2. For each correct answer is 2 marks. For each wrong answer is -2 marks. For this case, no 1 and no 2 are correct, total 4 marks. But, no 3 incorrect, -2 marks. Therefore, final marks are 2 marks.

Register Subject | Log Out

Subject List:

No	Lecturer	Subject	Task	Mark T/F	Quiz T/F	Mark Subjective	Quiz Subjective
1	CHUAH CHAI WEN	DATABASE	<input type="button" value="View"/>	2	<input type="button" value="View"/>		<input type="button" value="View"/>
2	CHUAH CHAI WEN	CRYPTOGRAPHY	<input type="button" value="View"/>		<input type="button" value="View"/>		<input type="button" value="View"/>
3	SOFIA NAJWA	MATH	<input type="button" value="View"/>		<input type="button" value="View"/>		<input type="button" value="View"/>

1
*You took the quiz!

Fig 25. The subject list showed the result of quiz. He/she is not allowed to retake the quiz, with the error message "You took the quiz!"

- d. Student may take the quiz (Multiple Choices), if he/she never take it or "ZERO" mark.

Subject List Registered | Log Out

Subject Name: DATABASE
Subject Code: BIC 21404

No	Question	Answer A	Answer B	Answer C	Answer D	Your Answer	Confirm Your Answer
1	A report is printed information based on	Data	Form	Input	Query	<input type="text"/>	<input type="button" value="Confirm"/>
2	The set of processed data is called	Database	Information	Datum	Data	<input type="text"/>	<input type="button" value="Confirm"/>
3	A row in a table represents	Record	Field	File	Column	<input type="text"/>	<input type="button" value="Confirm"/>

1

Fig 26. Student takes the quiz for the first time.

Subject List Registered | Log Out

Subject Name: DATABASE
Subject Code: BIC 21404

No	Question	Answer A	Answer B	Answer C	Answer D	Your Answer	Confirm Your Answer
1	A report is printed information based on	Data	Form	Input	Query	B <input type="text"/>	<input type="button" value="Confirm"/>
2	The set of processed data is called	Database	Information	Datum	Data	A <input type="text"/>	<input type="button" value="Confirm"/>
3	A row in a table represents	Record	Field	File	Column	C <input type="text"/>	<input type="button" value="Confirm"/>

1
Thank you! Your marks are 0/6

Fig 27. Student got zero marks. He/she is allowed to retake the quiz.

Register Subject

Log Out

Subject List:

No	Lecturer	Subject	Task	Mark T/F	Quiz T/F	Mark Subjective	Quiz Subjective
1	CHUAH CHAI WEN	DATABASE	<div>View</div>	2	<div>View</div>	0	<div>View</div>
2	CHUAH CHAI WEN	CRYPTOGRAPHY	<div>View</div>		<div>View</div>		<div>View</div>
3	SOFIA NAJWA	MATH	<div>View</div>		<div>View</div>		<div>View</div>

1

Fig 28. The subject list showed the result of quiz. He/she is allowed to retake the quiz.

Subject List Registered Log Out								
Subject Name: DATABASE								
Subject Code: BIC 21404								
No	Question	Answer A	Answer B	Answer C	Answer D	Your Answer	Confirm Your Answer	
1	A report is printed information based on	Data	Form	Input	Query	<input type="text" value="D"/>	<input type="button" value="Confirm"/>	
2	The set of processed data is called	Database	Information	Datum	Data	<input type="text" value="B"/>	<input type="button" value="Confirm"/>	
3	A row in a table represents	Record	Field	File	Column	<input type="text" value="A"/>	<input type="button" value="Confirm"/>	
<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><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Fig 29. Student retakes the quiz. He/she got 6/6. Noted that each question mark is 2.

Register Subject

Log Out

Subject List:

No	Lecturer	Subject	Task	Mark T/F	Quiz T/F	Mark Subjective	Quiz Subjective
1	CHUAH CHAI WEN	DATABASE	<div>View</div>	2	<div>View</div>	6	<div>View</div>
2	CHUAH CHAI WEN	CRYPTOGRAPHY	<div>View</div>		<div>View</div>		<div>View</div>
3	SOFIA NAJWA	MATH	<div>View</div>		<div>View</div>		<div>View</div>

1

*You took the quiz!

Fig 30. The subject list showed the result of quiz. He/she is not allowed to retake the quiz, with the error message “You took the quiz!”

Register Subject

Log Out

Subject List:

No	Lecturer	Subject	Task	Mark T/F	Quiz T/F	Mark Subjective	Quiz Subjective
1	CHUAH CHAI WEN	DATABASE	<div>View</div>	2	<div>View</div>	6	<div>View</div>
2	CHUAH CHAI WEN	CRYPTOGRAPHY	<div>View</div>		<div>View</div>		<div>View</div>
3	SOFIA NAJWA	MATH	<div>View</div>		<div>View</div>		<div>View</div>

1

Fig 31. Student can view the given assignment/tutorial/lab

e. Student may view and submit the assignment/tutorial/lab.

Register Subject Log Out				
Subject Name: DATABASE				
Subject Code: BIC 21404				
No	Assignment/Tutorial/Lab	Your File	Download Task	Submission
1	Lab 1		Download	Submit
2	Lab 2		Download	Submit
1				

Fig 32. Student can download and submit the given assignment/tutorial/lab

Register Subject Log Out				
Subject Name: DATABASE				
Subject Code: BIC 21404				
No	Assignment/Tutorial/Lab	Your File	Download Task	Submission
1	Lab 1		Download	Submit
2	Lab 2		Download	Submit
1				


 BIC21404_Labshee....doc ^

Fig 33. Student can download the given assignment/tutorial/lab

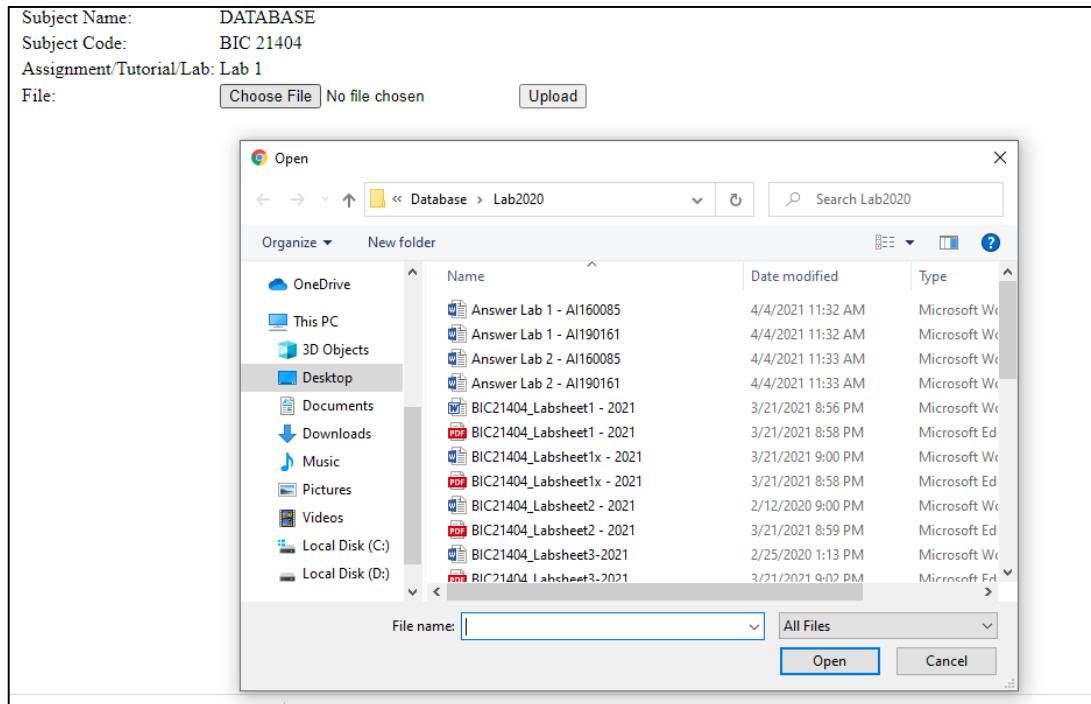


Fig 34. Student can upload the answer for the given assignment/tutorial/lab

<div> Register Subject Log Out </div> <div> Subject Name: DATABASE Subject Code: BIC 21404 </div>				
No	Assignment/Tutorial/Lab	Your File	Download Task	Submission
1	Lab 1	Answer Lab 1 - AI190161.docx	Download	Submit
2	Lab 2		Download	Submit
1				

Fig 35. Page show the submission for the given assignment/tutorial/lab

Project System Rubrics

PROGRAMME	: BACHELOR OF COMPUTER SCIENCE	SESSION	: II 2020/2021
COURSE	: DATABASE SYSTEM	COURSE CODE	: BIC21404
STUDENT	:		
ACTIVITY	: SYSTEM		

Assessment	Criteria	Subcriteria	1	2	3	4	5	Check	Score
System	Login Page	Error message for wrong username or password.						0.05	
		Error message if without choosing either 'Student' or 'Lecturer' or 'Admin'						0.05	
		Prompt out "Update password" for the first time user.						0.05	
	Module for Admin	Register admin (Add/update/delete). Check the deletion.						0.05	
		Register lecturers (Add/update/delete). Include modified by who and when. Auto assign password. Check the deletion.						0.1	
		Register students (Add/update/delete). Include modified by who and when. Auto assign password. Auto assign email. Check the deletion.						0.1	
		Register subjects (Add/update/delete). Include modified by who and when. Check the deletion.						0.05	
		Assign workload to lecturers (Add/update/delete). Not allow duplicate data.						0.05	
		Dynamic Drop down lists: Subject						0.1	
		Dynamic Drop down lists: Lecturer						0.1	
	Module for Lecturer	Only show the list of the subject teach by lecturer.						0.05	
		Allow create the quiz (True/False) add/update/delete.						0.1	

		Allow create the quiz (Multiple choices) add/update/delete.						0.1	
		View result quiz (True/False). Include the number pass and fail.						0.1	
		View result quiz (Multiple choices). Include the number pass and fail.						0.1	
		Lecturer can upload files of assignment/tutorial/lab. *The content files must be saved into the database. Not only the path file.						0.5	
		Lecturer can view students submission and download the submission. Once, students submit the assignment/tutorial/lab, lecturer cannot delete the assignment/tutorial/lab.						0.5	
	Module for student	Show the list of subjects. Students are not allow to register the same subject twice.						0.1	
		Student can view the list of their registered subjects and the marks of quiz.						0.1	
		Student can answer quiz (true/false). Correct calculate the marks.						0.1	
		Student can answer quiz (Multiple Choice). Correct calculate the marks.						0.1	
		Student is allowed to retake the quiz if he/she got zero mark. If students score the quiz, he/she cannot retake the quiz.						0.05	
		Student is allowed to view, download and upload assignment/tutorial/lab. *The content files must be saved into the database. Not only the path file.						0.1	
	Presentation							3	
Total									

Evaluation	Marks	Actual in TCIS
Cognitive	15	5
Psychomotor	10	10
Affective	15	5