

Databased Development 2

Databased Development 2 (DADE2)	
Assignment Number	1
Assignment Name	Formative Assessment
NQF Level	5
Credits	9
Due Date	
Marks	Total marks = 80 Formative assessments through the semester contribute towards the student's module mark and are used to assess progress and identify areas for improvement. This formative assessment will contribute 25% towards final mark. Take note of the following with regards to late submissions: a. One (1) day late (-5%) b. Two (2) days late (-10%) c. Three (3) days late (-15%)
Individual / Group Assignment	Individual
Lecturer Information	
Lecturer	
Lecturer E-mail	

Learning Objective:

Formative assessment 1 will cover the following concepts:

- Database creation using T_SQL
- Views
- Stored procedures
- Inserts
- Code comments
- Database backup

Attributes/Competencies Assessed:

- 114048 - Create database access for a computer application using structured query language

Scope:

The scope of this formative assessment is based on a solid knowledge coding databases using T_SQL.

Technical Aspects:

The number of pages for this formative assessment is 16 and the following font and size should be used in your report:

- a. Font: Arial
- b. Size: 12 and 14 for headings
- c. Font colour: Black

Save and upload the report as a .PDF (**No backgrounds**) with the following naming convention:

- a. Student no_StudentName_StudentSurname_ModuleCode_FA1 (**No ZIP folder uploads**)

Ensure adequate referencing is used when using information from either books or internet. Plagiarism is a serious offence and can result in 0% for the assessment when excessive work is copied without proper referencing.

Please complete the following and sign as requested for Portfolio of Evidence (POE)

- a. Save code with screenshots of each question and upload when completed
- b. Pre-Assessment agreement (Save, sign and submit as PDF)
- c. Assessment Feedback Agreement (Save, sign and submit as PDF)

Mark allocation for report

See Mark allocation sheet below

<i>Unit standard</i>	<i>Specific outcome</i>	<i>Assessment criterion</i>
114048	1	1
	1	2
	1	3
	1	4
	2	1
	2	2
	2	3
	2	4
	2	5
	2	6
	3	1
	3	2
	3	3
	3	4
	3	5
	3	6
	3	7
	3	8
	4	1
	4	2
	4	3
	4	4

	4	5
	5	1
	5	2

Scenario

Suzi's Yoga Studio

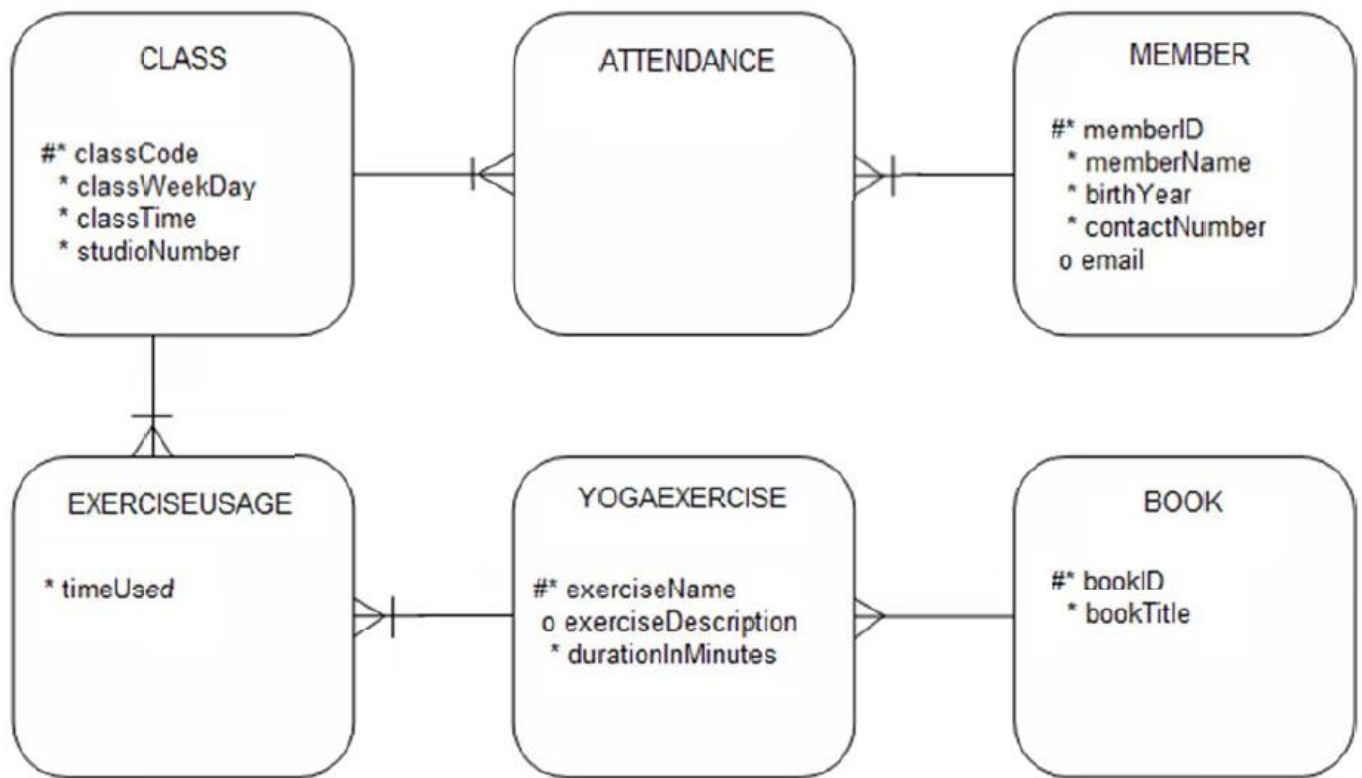
Suzi's family started their own yoga school and enlarged their house to accommodate four studios. Suzi has recruited you to be their database designer.

The database will store information on their members, yoga classes/sessions, and the various yoga exercises.

- People must be 16 years of age or older in order to become a member and they are welcome to assign themselves to more than one class/session per week.
- If a class is cancelled, Suzi must be able to contact members via telephone. Members who provide their email address will also be notified via email.
- Fixed yoga sessions are scheduled: for example, every Monday morning at 07:00 studio #1 is used and every Tuesday at 18:00 studio #4 is used. Each class/session record must contain sufficient information to indicate which weekday, time, and studio is reserved for it.
- Suzi references each exercise from a particular book and she would like to keep track of the book IDs and titles in case she needs to do more research on a particular exercise.
- Suzi needs to keep track of the different exercises performed at the sessions. She specifically wants to know the name, description, and the length of each exercise in terms of minutes.
- Suzi also needs to specify how many times an exercise must be performed per session/class.

The following ER Diagram should be used to answer all questions that follow:

ERD from 3NF



Question 1

(16)

Create a script file that includes the code for creating the database and all of the tables required in the project. PRIMARY KEY, FOREIGN KEY, UNIQUE, and CHECK constraints must be included. Make use of the IDENTITY property, DEFAULT values, and constraints.

Question 2

(6)

Create a script file to insert data into your user created tables. Add at least four records for each table without foreign keys, and seven records for each table that does contain a foreign key.

Question 3

(16)

Create a script file to create the following views:

(16)

- vw_Exercises
Select book title, exercise name, exercise description, and the field representing how often the exercise is used per session/class.
- vw_ClassAttendance
Select class code, class week day, class time, studio number, and the total number of people attending each class. Only show the records where less than four people attend the class.
- vw_ExercisesUsed

Select the exercise name, description, duration, and how often each exercise is used. Only show the four most common exercises (use the alias 'total times performed').

d. vw_TotalClassesPerMember

Select all member names as well as the total number of classes that each member will attend. HINT: Use the COUNT function.

Question 4 (16)

Create a script file to create the following stored procedures: (16)

a. sp_AddNewExercise

Insert a new exercise record.

b. sp_UpdateExerciseTimesUsed

Update the field which specifies how many times an exercise will be performed in each class.

c. sp_DeleteBook

Delete a book record. A book may only be deleted if it is not contained in the vw_Exercises view.

d. sp_Report

Print the details of a specified class and each member's name and contact number assigned to the class.

Your report's output should have exactly the same format as shown below:

YOGA CLASS REPORT:

Class code: mo70

Week day: Monday [Time: 07:00:00]

Studio Number 1

No. Member name

Contact number

1. Andren du Preez

+27 83 562 3953

2. Jenny Ritchie

(051) 861 2571

3. Tom Edwards

(021) 914 8000

Question 5 (4)

Create a script file to create at least two triggers for your project. There are no specifications for what types of triggers you must create. You should apply your knowledge and create triggers that you think would be appropriate. (4)

Question 6 (4)

Create a script file to delete the database that you create. (4)

Question 7 (4)

Create two (2) appropriate indices on your tables. (4)

Question 8 (4)

Using the GUI, create a full backup of your database and zip it with WinZip. (4)

Question 9 (10)

- a. Each script file must have a header section (using comments) that contains the following information:
 - Script file name
 - Programmer name
 - Date
 - A short description of what the script file does
- b. Ensure in code comments are added (10)

[TOTAL: 80]

Mark allocation for student			
Section	Sub-section	Maximum Mark	Learner mark
Body of the report	Question 1	16	
	Question 2	6	
	Question 3	16	
	Question 4	16	
	Question 5	4	
	Question 6	4	
	Question 7	4	
	Question 8	4	
	Question 9	10	
Deductions	1 day late	-5	
	2 days late	-10	
	3 days late	-15	
Total:		80	

PRE-ASSESSMENT AGREEMENT

Assessment Preparation: Preparing the Candidate

Student name and surname		Date	
		Time	
Assessor name and surname		Venue	
How to prepare the candidate	Document Requirements	Agree (tick)	Action Required
Explain to the candidate why you are meeting and the purpose of the assessment.	Assessment Policy Assessment process		
Discuss the assessment plan in detail.	Assessment strategy		
Explain assessment process, show assessment instruments to candidate and describe assessment conditions.	Assessment instruments		
Identify the role-players during assessment.	Assessors Moderator		
Describe the evidence required to be declared competent.	Examples of evidence		
Explain how evidence will be judged.	Mark allocation explained		
Explain to the candidate how to prepare: Give candidate assessment task description.	Assessment task description		
Confirm with the candidate what he/she should bring to the assessment.	Detailed briefing on exact requirements to be given to candidate in writing		
Ensure that candidate understands the procedures of all assessment practices.	Appeals Policy Appeals procedure Assessment Policy Assessment Procedure Moderation Policy Moderation procedure Verification Policy Verification Procedure		

Ask the candidate if he/she foresees any problems or identify any special needs.	List needs		
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Agreed Assessment Plan			
Student name and surname:			
Assessor name and surname:			
Module name:		Databased Development 2	
Unit Standard/s:		US114048	
Type of Assessment i.e. Formative assignment, Formative test, Formative Practical, Summative etc.		Formative Assessment 1	
Special Assessment Requirements:		N/A	
Event	Date, time and location	Resources required	Evidence to be generated
Assessments due date		Assessments	Completed documentation
Complete activity on MyAIE and upload to MyAIE			Completed Portfolio of Evidence
Submit Portfolio of Evidence			

Assessor Roles and Responsibility	
Roles	Assessor Guide Feedback Agent Reviewer
Responsibilities	Consult candidate re-assessment, assessment process and plan. Agree assessment process and plan with candidate. Forward documentation to candidate: plan, guide and assessment instruments. Assess candidate with the use of different instruments. Provide feedback on assessment findings. Support candidate through assessment process. Source feedback from candidate on assessment process. Review assessment process and outcome.

	Use assessment process as opportunity to transform assessment activities and outcomes.
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Candidate Roles and Responsibility	
Roles	<ul style="list-style-type: none"> • Leaner • Feedback agent • Reviewer
Responsibilities	<ul style="list-style-type: none"> • Be available for assessment. • Be actively involved in the consultative process. • Learn from the assessment process. • Provide feedback to the assessor in terms of the assessment as learning activity. • Provide feedback to the assessor on the efficacy of the assessment process. • Review own role and assessor role in the assessment process.
Assessment Instruments	<ul style="list-style-type: none"> • Portfolio of Evidence • Questionnaire • Report • Presentation • Reflexive questions • Work sample • Practical's • Group Activity • Research activities

Assessment Process	
<ul style="list-style-type: none"> • Evaluation of POE addressing Essential Embedded Knowledge in unit standards. • Evaluation of Research Projects and other evidence addressing specific unit standards. • Consultation: assessment plan and assessment activities and instruments. Pre-assessment moderation and interviews conducted at this stage. • Observation: feedback on assessment against specific outcomes, critical outcomes in unit standards. • Feedback: to candidate regarding sufficiency of evidence and possible interview to gain supplementary evidence. • Feedback to candidate regarding assessment findings as well as review process. 	
Feedback	Written feedback to be given to all stakeholders at the end of the assessment process, as well as verbal feedback to the candidate during assessment activities.

Recording Process	Process and findings to be recorded and submitted for record keeping purposes as well as moderation and verification.
Review Process	The review process is the responsibility of the assessor and the candidate. Joint reviewing will take place after feedback has been given to the candidate.
Right to appeal	The candidate must be advised of the right to appeal.
Resources Required	Assignments <ul style="list-style-type: none"> • POE • Assessments • Guides
I confirm that: <ul style="list-style-type: none"> • I have been consulted on and have agreed to the training and assessment process as detailed in the assessment guide. • I have been advised of my right to appeal against any assessment that is unfair, unreliable, invalid or impracticable. • I have read and understood the appeal procedure. • I know that assessments may be moderated or verified by an external party. • The purpose of the assessment has been clearly explained to me. • The criteria have been discussed with me, and I know I will be assessed against these criteria. • I know when and where I will be assessed, and I was given fair notice. • I know how the assessment will be done, and any other requirements related to the assessment. 	

Signed: _____

Date: _____

Overall Assessment Decision	Competent		Not yet competent	
Student's Signature			Date:	
Assessor's Signature			Date:	
Moderator's Signature			Date:	

ASSESSMENT FEEDBACK AGREEMENT

Assessment feedback: Feedback to learner

Qualification Name:	
Qualification SAQA Number:	
Subject Name:	Databased Development 2
Subject Code:	DADE2
Assessment Name:	Formative Assessment 1
Assessment Code:	DADE2_FA1
Assessment Type:	Formative

Feedback report	1st Attempt		2nd Attempt	
	C	NYC	C	NYC
Unit standard Number(s)				
US114048				
SO1,AC1				
SO1,AC2				
SO1,AC3				
SO1,AC4				
SO2,AC1				
SO2,AC2				
SO2,AC3				
SO2,AC4				
SO2,AC5				

SO2,AC6				
SO3,AC1				
SO3,AC2				
SO3,AC3				
SO3,AC4				
SO3,AC5				
SO3,AC6				
SO3,AC7				
SO3,AC8				
SO4,AC1				
SO4,AC2				
SO4,AC3				
SO4,AC4				
SO4,AC5				
SO5,AC1				
SO5,AC2				

General feedback to learner (Attempt 1)
Supply comprehensive feedback why learner is found NYC

Learner Number:			
Learner name and surname:		Date:	
Learner Signature:			
Lecturer name and surname:		Date:	
Lecturer Signature:			
Assessor name and surname:		Date:	
Assessor Signature:			
Moderator name and surname:		Date:	
Moderator Signature:			

Note to learner
<p>Review the feedback provided by your lecturer to check that you have been found competent in this assessment. If there are any areas where you have been found not yet competent, you must redo those parts of the assessment and resubmit within the stipulated time frame.</p> <p>The section below will only be completed in cases where the learner was asked to resubmit parts of the assessment where they were found not yet competent.</p>

General feedback to learner (Attempt 2) Supply comprehensive feedback why learner is found NYC

Learner Number:			
Learner name and surname:		Date:	
Learner Signature:			
Lecturer name and surname:		Date:	
Lecturer Signature:			
Assessor name and surname:		Date:	
Assessor Signature:			
Moderator name and surname:		Date:	
Moderator Signature:			