



UNIVERSITY OF MINES AND TECHNOLOGY, TARKWA

FIRST SEMESTER EXAMINATIONS, NOV/DEC 2017

COURSE NO: CE 279

COURSE NAME: DATABASE SYSTEMS

CLASS: CE II

TIME: 2 HOURS

Name: _____ Index Number: _____

Database Systems Lab Exams

Instruction: *Read the narration carefully and answer the ensuing questions using Microsoft Access 2010 or 2016*

An organization want to create Contact Directory that will keep contact information of their members. The organization currently have four group/type of members viz: GoldFields, UMaT, GridCo and KNUST. And also they set priority on their members, that’s is High, Medium and Low.

The organization currently uses excel sheet in keeping this information and below is a sample of the excel sheet data:

QFace Group Ghana Member Union Contact Directory													
First Name	Last Name	Other Name	Group	Priority	DOB	Phone Number	Telephone Number	LocationAddress	ResidentialAddress	Email	Country	City	Sex
MARY	AMPONSAH		Gold Fields	High	1970-01-01	0549132200		BLESSING INT. SCH BOX 8, APINAMANG			GHA	APINAMA NG	F
JENNOT	WACANO AN TO		UMaT	High	1960-02-02	0546828091		BLESSING INT. SCH. BOX 8, APINAMANG			GHA	APINAMA NG	M
KWADWO	SACKEY		Gold Fields	Medium	1981-04-27	0249012395					GHA	APINAMA NG	M
asamoah	FORSON		GridCo	Low	1981-04-27	0249012395					GHA	APINAMA NG	M
COMFORT	ADWOA		GridCo	Low	1966-12-23	0244444444					GHA	APINAMA NG	F
SAKYIBEA	COMFORT		KNUST	High	1966-12-23	0244444444			APINAMANG		GHA	APINAMA NG	F
MARY	ANFO	AKUA	UMaT	Medium	1998-03-18	0553120347			N40		GHA	APINAMA NG	F
COMFORT	DEDE	YAA	Gold Fields	High	1972-04-28	0544837205					GHA	APINAMA NG	F

Hint: The database should have the following tables Member, Group, Priority, etc.

Note: Good design of Form and Report will attract extra marks.

1. Use Microsoft Access to design contact directory application for the organization. The database should have not less than three table with solid normalization and relationships.
2. Set the following properties on the following attributes
 - a. Use Input mask to validate PhoneNumber entry and make it required.
 - b. FirstName and LastName with FieldSize of 100 and make it required
 - c. Use Validation Rule to check if the member is more the 18 years old else show that the member is under age.
 - d. Use Lookup or combo box for the select of Group and Priority for the members and make it required.

3. Create a form to make entries for members and make not less than five entry of members using the design form.
4. Write a select query that will join Member, Group and Priority table and will select FullName, GroupName, PriorityName where the member will be in the UMaT group and with priority of High and save as query1.
Note: FullName =joining of FirstName, OtherName and LastName
GroupName= The Name of the group
PriorityName = The Name of the priority
5. Use the query save as query1 from question 5 to create a report and save as report1