CTU training solutions

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SUMMATIVE ASSESSMENT	
QUALIFICATION:	**CERTIFICATE: INFORMATION TECHNOLOGY: DATABASE DEVELOPMENT**
MODULE:	**DATABASE DEVELOPMENT 2**
MODULE CODE:	**DBD622**
HAND OUT DATE:	**28 October 2019**
SUBMISSION:	**15 November 2019**
TOTAL MARKS:	**120**
DEVELOPER:	**Auret Calldo**

You have been tasked to create a Library Management Database for a University that can do the following:

- A student and faculty can issue books.
- Different limits for the number of books a student and teacher can issue. Also, the number of days will be distinct in the case of students and teachers for issuing any books.
- Each book will have a different ID. Also, each book of the same name and same author (but the number of copies) will have a different ID.
- Entry of all the books will be done, who issue that book and when and also duration.
- Detail of Fine (when the book is not returned at a time) is also stored.
- You need to create a Database Warehouse that will contain the archived books that are no longer used
- You need to use a SSIS to send the Data from the Database to the Data Warehouse
- Make use of Stored Procedures
- Make use of Functions
- Make use of Views
- Make use of Triggers
- Make use of Schemas
- Database must Contain at least 20 Dummy data in every table created
- Setup a Task that will automatically backup the Database at Midnight every Day

Mark sheet		Total Marks	Marks	Moderated
		120	0	0
1.1	A student and faculty can issue books.	5		
1.2	Different limits for the number of books a student and teacher can issue. Also, the number of days will be distinct in the case of students and teachers for issue any books.	10		
1.3	Each book will have a different ID. Also, each book of the same name and same author (but the number of copies) will have a different ID.	15		
1.4	Entry of all the books will be done, who issue that book and when and also duration.	15		
1.5	Detail of Fine (when the book is not returned at a time) is also stored.	15		
1.6	You need to create a Database Warehouse that will contain the archived books that are no longer used	15		
1.7	You need to use a SSIS to send the Data from the Database to the Data Warehouse	10		
1.8	Make use of Stored Procedures	5		
1.9	Make use of Functions	5		
1.10	Make use of Views	5		
1.11	Make use of Triggers	5		
1.12	Make use of Schemas	5		

1.13	Database must Contain at least 20 Dummy data in every table created	5		
1.14	Setup a Task that will automatically backup the Database at Midnight every Day	5		