IT3795 Assignment Answer Sheet

Complete the answer sheet to describe your solution.

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| Module Group | **IT3795-01-3** |  |  |
| Name | Thomas Lee | Admin No | 154433K |
| Name | Shaun Lim | Admin No | 151719K |
| Name |  | Admin No |  |

**Database**

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| Description of solution | |
| A database named ‘GreenGrocerDB’ will be created. It comes with 2 filegroups created, namely the DATA and PRIMARY filegroups. The DATA filegroup has been set as the default filegroup. The database will consist of a primary data file named named GreenGrocerDB which is 100 MB in initial size with an autogrowth of 5% capped at 200 MB, a secondary data file named GreenGrocerData which is 50 MB in initial size with an autogrowth of 1MB without a limit, and a log file named GreenGrocerDB\_Log which is 50 MB in initial size with an autogrowth of 10 percent without a limit. | |
| Deliverables | |
| FileName | Description |
| CreateDB.sql | This script file creates the database named ‘GreenGrocerDB’ |
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**Data**

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| Description of solution |
| A script file named IT3795instnwd.sql is executed for the database ‘GreenGrocerDB’. This creates the data, tables and data objects such as the views and indexes. |

**Backups**

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| Description of solution | |
| As the consultant has recommended a schedule of full and transaction log backups for the database, two backup jobs have been created, scheduled for backing up the full database and transaction logs weekly. The job named ‘Back Up Database – GreenGrocerDB’ will be scheduled to backup the full database every week on Sunday at 12.00.00 AM. The job named ‘Back Up Transaction Log – GreenGrocerDB’ will be scheduled to backup the database transaction log every week on Sunday at 12.00.00 AM. | |
| Deliverables | |
| FileName | Description |
| BackupDB | This script file creates the job named ‘Back Up Database – GreenGrocerDB’ |
| BackupTransLog | This script file creates the job named ‘Back Up Transaction Log – GreenGrocerDB’ |
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**Logins and Users**

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| Description of solution | |
| 2 Windows logins, namely Lance and Anders, have been created for access to the database GreenGrocerDB.  The user Lance will have full access to the database, its tables and data and be able to manipulate and write data.  The user Anders is granted read-only access to the database, its tables and data. He will not be able to manipulate and write data. | |
| Deliverables | |
| FileName | Description |
| CreateAnders.sql | This script file creates the Windows Login user SQL2012-1\Anders |
| CreateLance.sql | This script file creates the Windows Login user SQL2012-1\Lance |
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**Standards and Policies**

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| Description of solution | |
| Two policies have been created to enforce the rules of Windows authentication and using full recovery model for databases. The policy named LoginPolicy comes with a condition named LoginCondition which checks the LoginType facet to determine whether it is an SQL user login or a Windows user login. The non-compliant login, which is the SQL user login, will be blocked. The policy named RecoveryModelPolicy comes with a condition named RecoveryModelCondition which checks the RecoveryModel facet to determine whether recovery model options selected when creating databases adhere to the full recovery model. | |
| Deliverables | |
| FileName | Description |
| LoginPolicy | This script file creates the policy named LoginPolicy |
| LoginCondition | This script file creates the policy named Recovery Model Policy |
| RecoveryModelPolicy | This script file creates the condition named Recovery Model Condition |
| RecoveryModelCondition | This script file creates the condition named Login Condition |

**Weekly Reports**

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| Description of solution | |
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| Deliverables | |
| FileName | Description |
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**PRODUCTS Table Audit Trail**

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| Description of solution | |
|  | |
| Deliverables | |
| FileName | Description |
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Briefly describe the installation steps of implementing your solution using the scripts you submitted.

***Note: Please make sure you have TESTED the scripts to ensure that they are running.***

1. Run the batch file ‘RunScripts’. This batch file will execute every SQL script in sequence.