**BCDE214 Database Administration Assignment 2– Portfolio**

**Appendix B Backup And Security**

**Due Date:** Friday 2 October; 11:59 p.m. **(Total Marks 25)**

**Write scripts** to perform the following tasks

**BackUp and Data Export (Marks 2.5 \* 2 = 5)**

Write scripts to implement the following backup and data export policies:

* The data base should be fully backed up at 11:00p.m. every Monday night. The backups should expire after three weeks. There should also be a differential backup at a useful time before a Thursday auction would commence.
* The relevant data for an auction should also be exported as three csv files. These should be the clients (including contact details) who actually bought or sold stock, and the details of the auctions, including names of buyers, seller, agents and auctioneers.

**Users and Security (Marks 20)**

* Write a script to create the following SQL users with the provided rights. They should not be able to do anything else. Make the passwords the same as the Login name and do not enforce the password policy. **(Marks 1 \* 8 =8)**

|  |  |
| --- | --- |
| **User** | **Rights** |
| AuctionCreator | Load and edit data into the AuctionDay, CattleAuction and SheepAuction tables |
| ClientLoader | Load and edit data in the AuctionClient and AuctionClientAtAuction tables |
| StockLoader | Load and edit data in the \*Lot tables |
| AuctionDayDataEntry | Update data in the \*Lot tables, but not create new records |
| AuctionDaySupervisor | Everything that the ClientLoader, StockLoader and AuctionDayDataEntry user can do. |
| SaleDayAdmin | Full administrator rights. |
| Reporter | Read data from all the tables, but not update it. |
| DailyReporter | Read data from the reporting views from Appendix A. |

* Create application roles equivalent to the ClientLoader, AuctionDayDataEntry and Reporter users. **(Marks 2 \* 3 =6)**
* Give the appropriate users the rights to run the stored procedures from Appendix A.

**(Marks 3)**

* Create a user who will rebuild the indices you created in Appendix A, and perform backup and restore functions. **(Marks 3)**