[BCIS 5610 Enterprise Data Warehousing (Fall 2020)](https://unt.instructure.com/courses/32520)

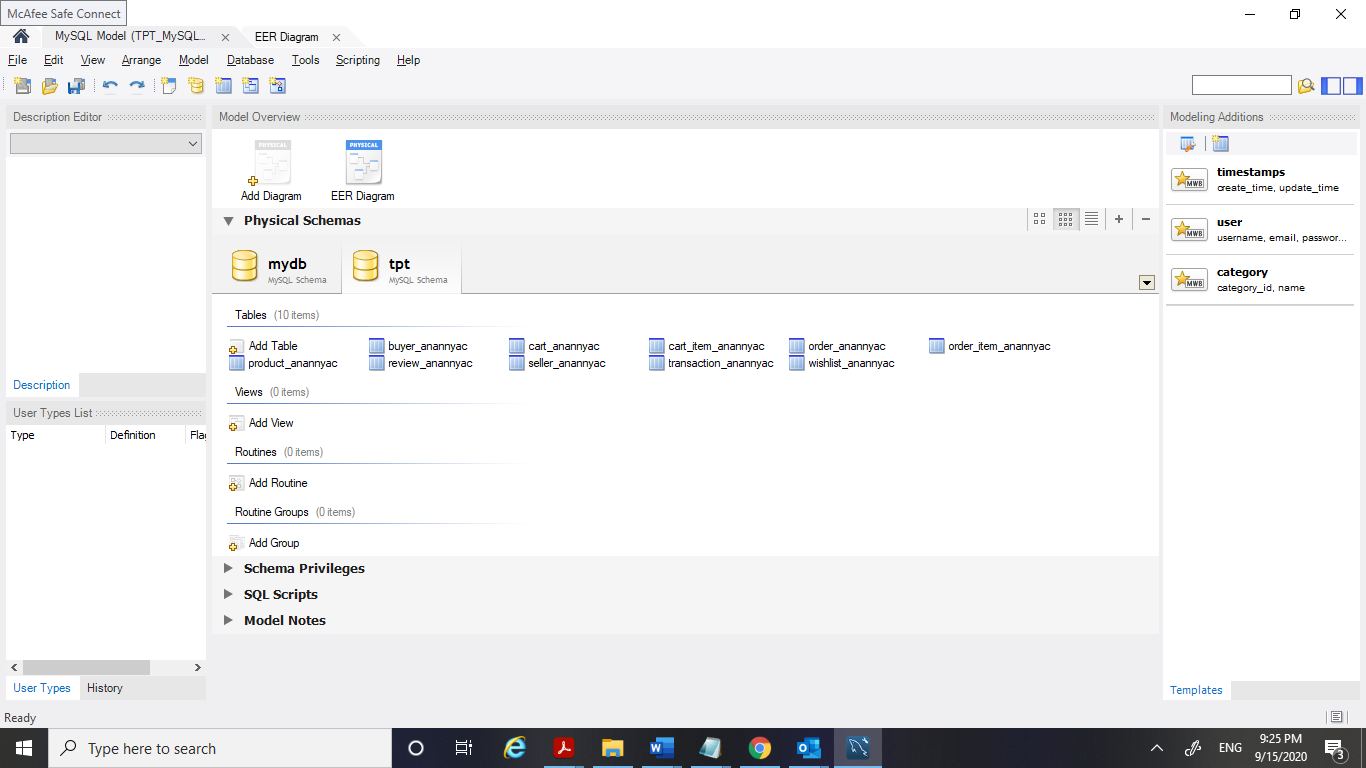
Assignment -1

**Teachers Pay Teachers** is an online marketplace for teachers that connects teachers across the globe. This platform allows teachers to buy, sell, or share their educational materials with other teachers.

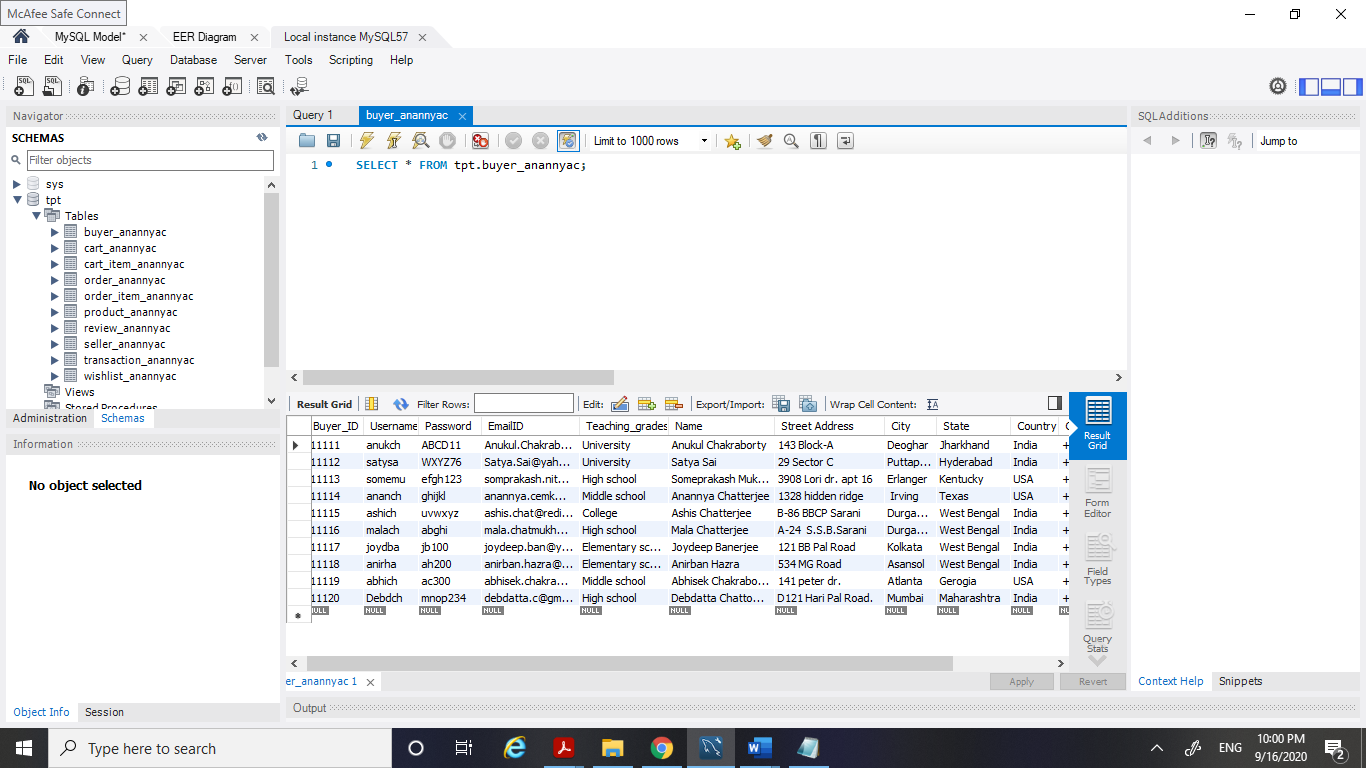
I have created a database named ‘tpt’. There are 10 entities that are interlinked. These 10 entities later become 10 tables (or Relations).

Please find the snapshots of MySQL database named ‘tpt’ that I created and the 10 tables that are inside this database. The names of all the tables are as follows:

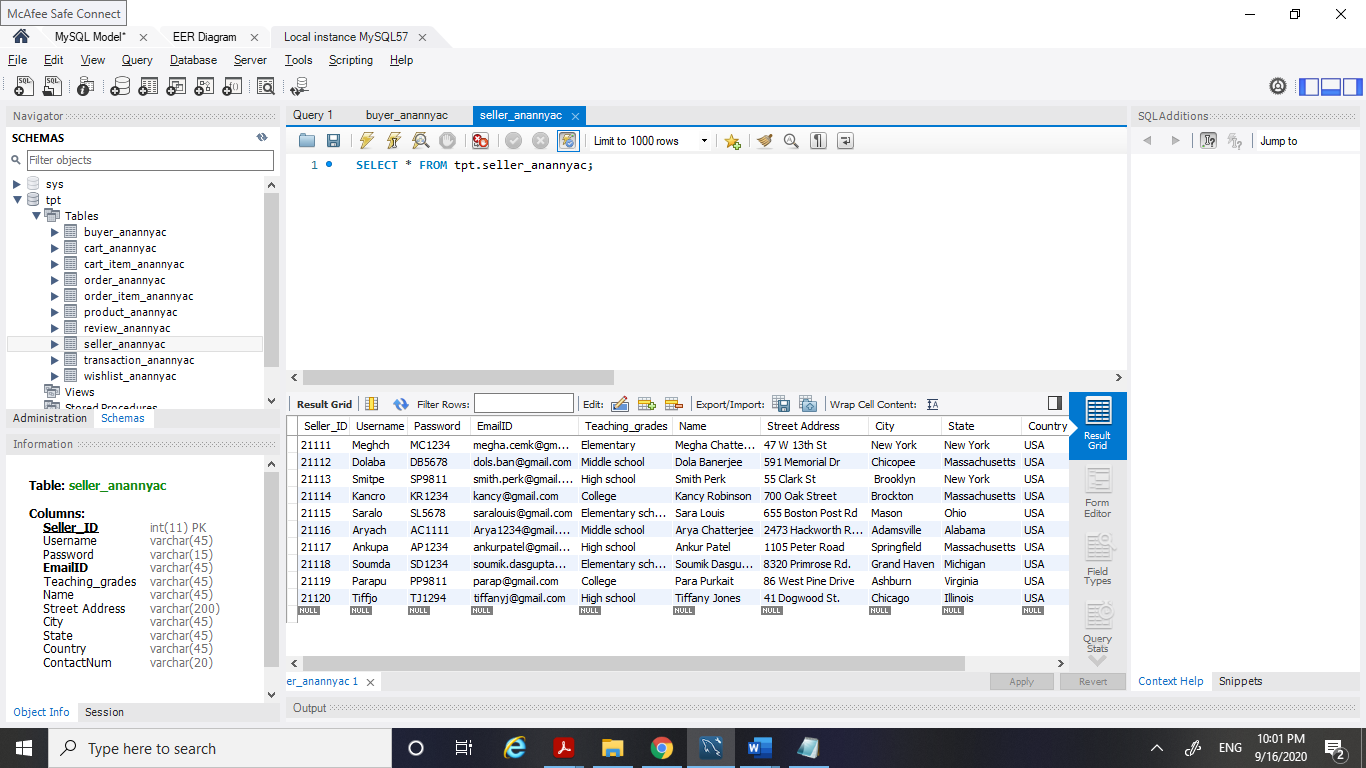
1. Buyer\_anannyac
2. Seller\_anannyac
3. Product\_anannyac
4. Cart\_anannyac
5. Cart\_item\_anannyac
6. Order\_anannyac
7. Order\_item\_anannyac
8. Transaction\_anannyac
9. Review\_anannyac
10. Wishlist\_anannyac



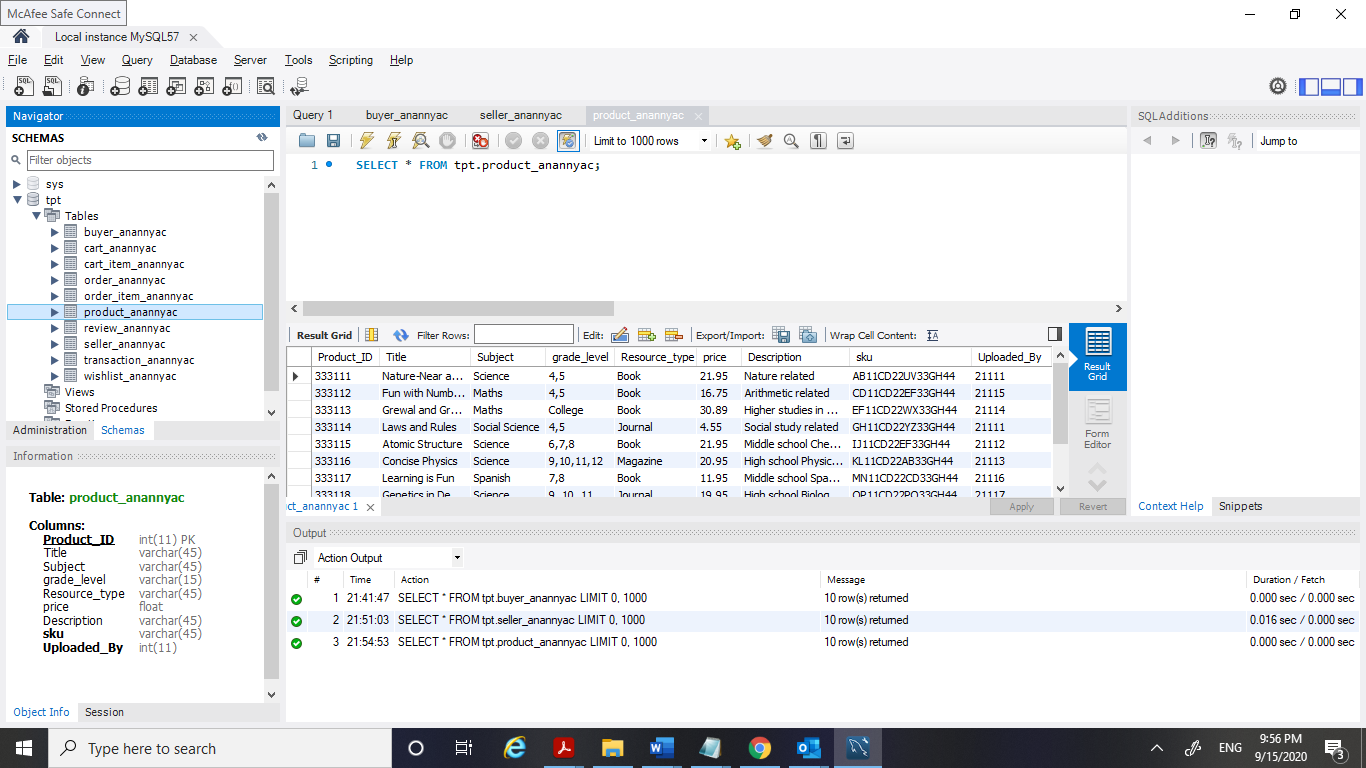
1. **Buyer\_anannyac**



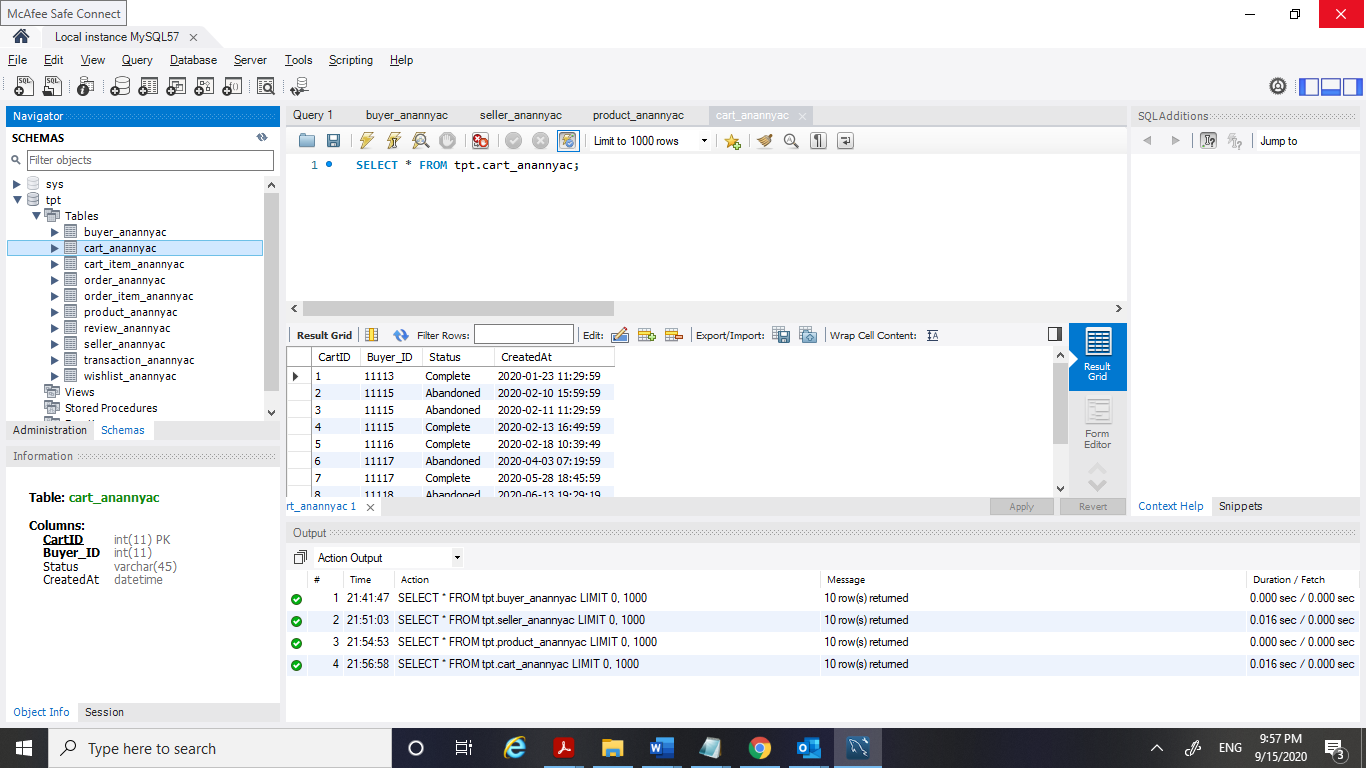
1. **Seller\_anannyac**



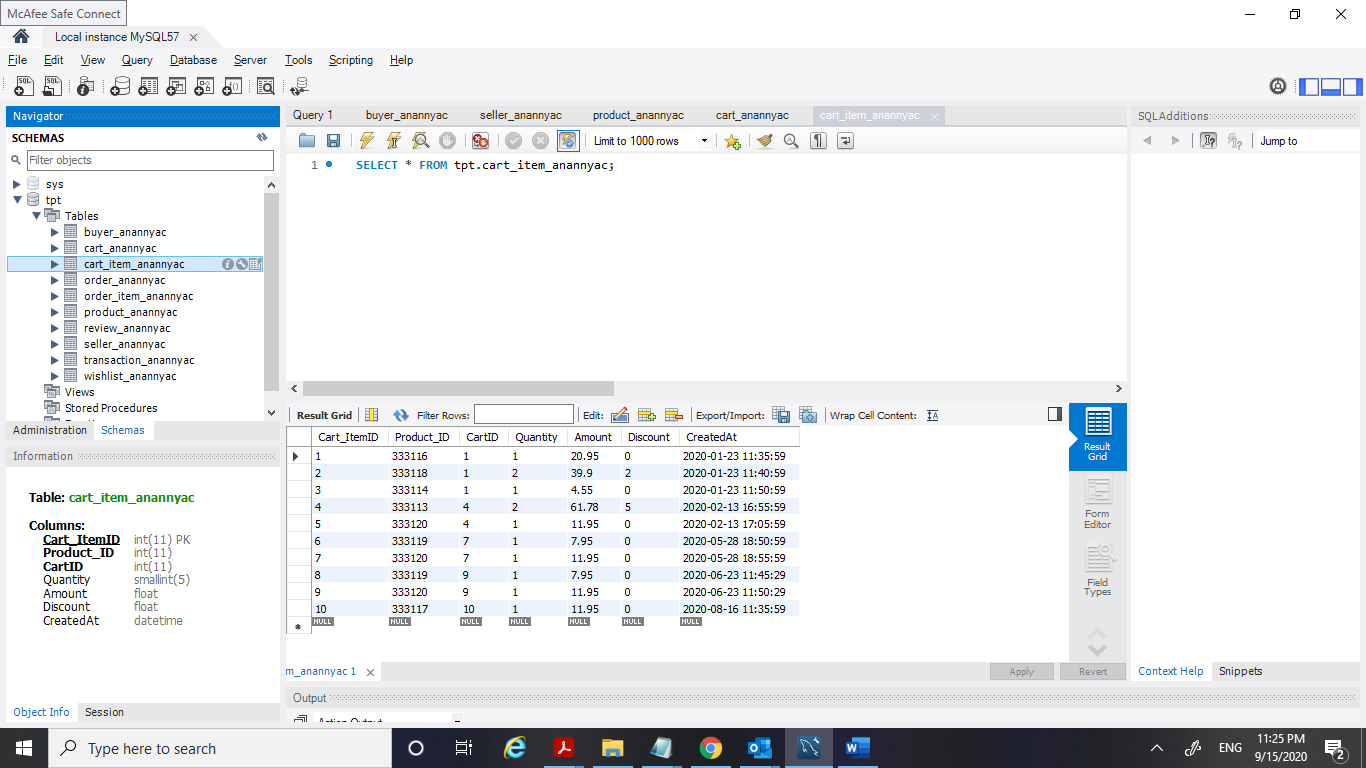
1. **Product\_anannyac**



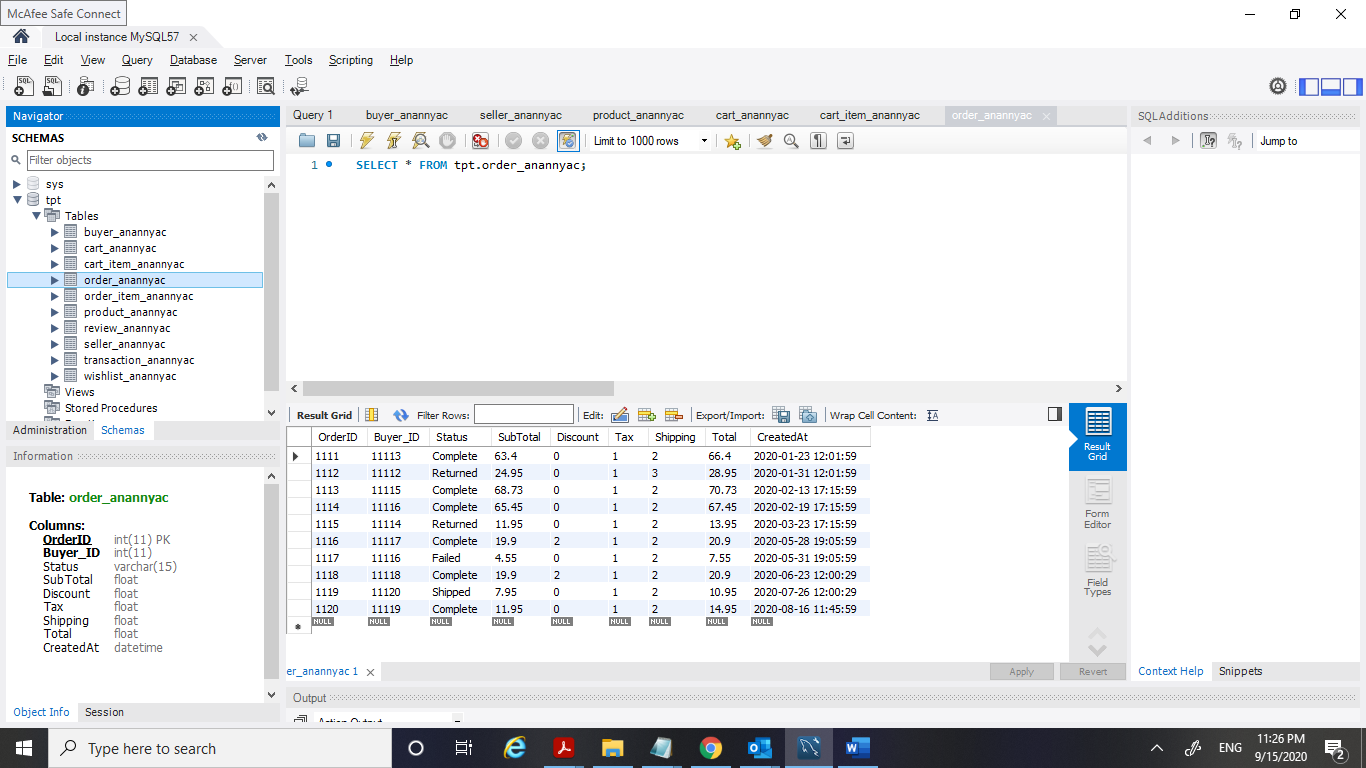
1. **Cart\_anannyac**



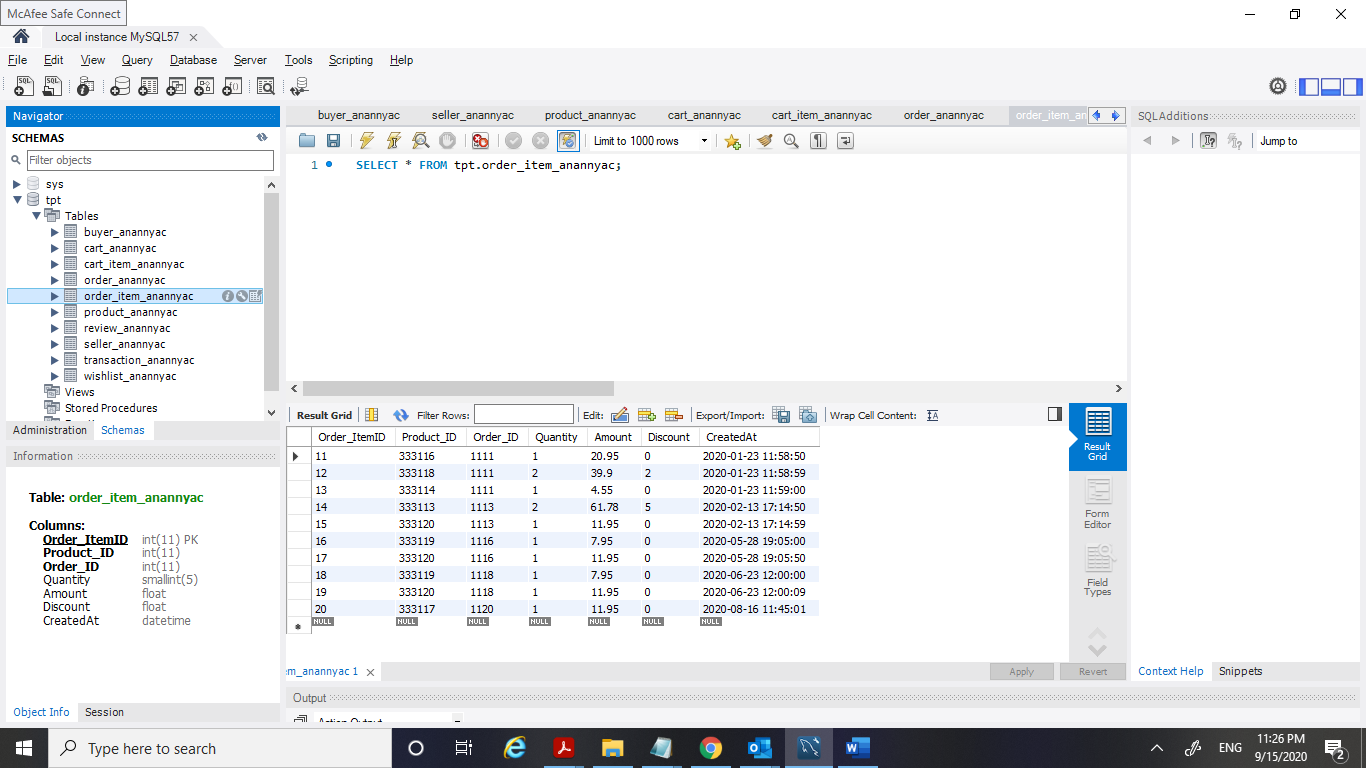
1. **Cart\_item\_anannyac**



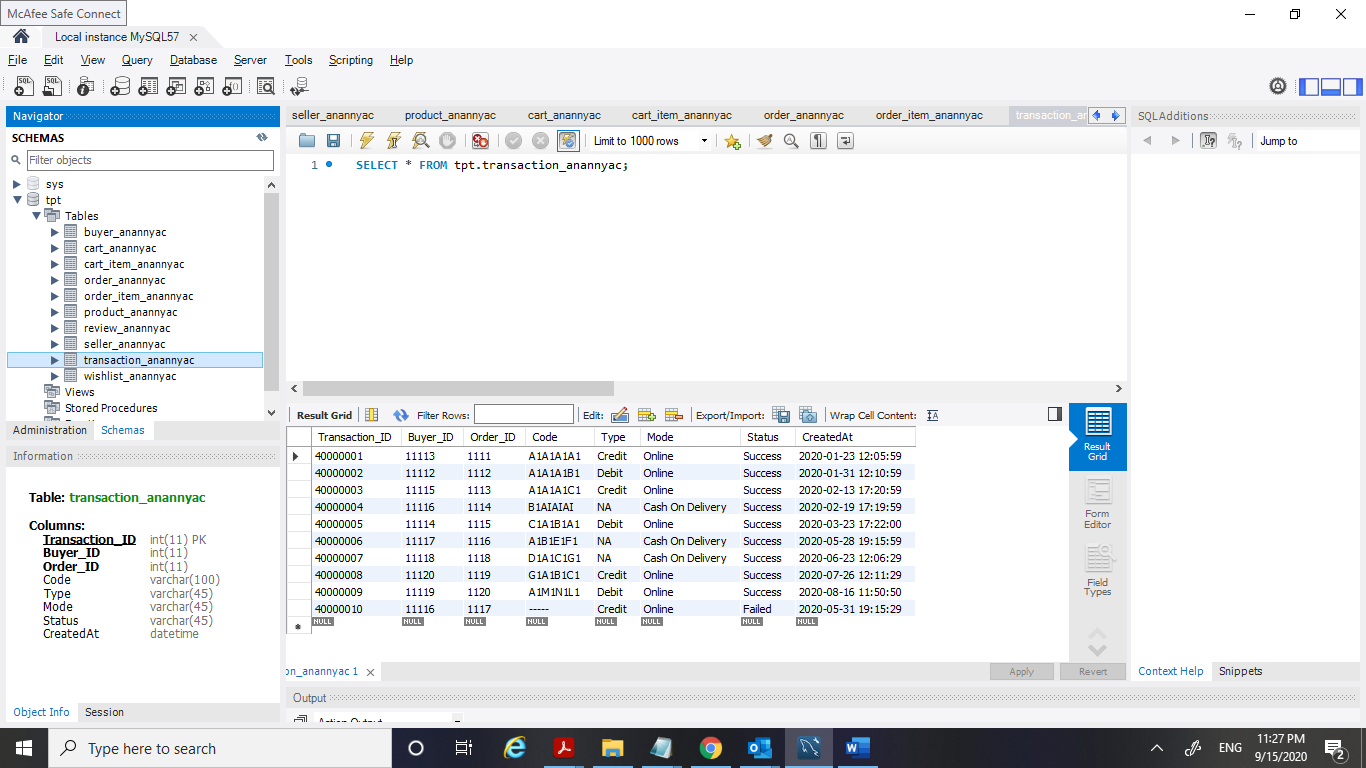
1. **Order\_anannyac**



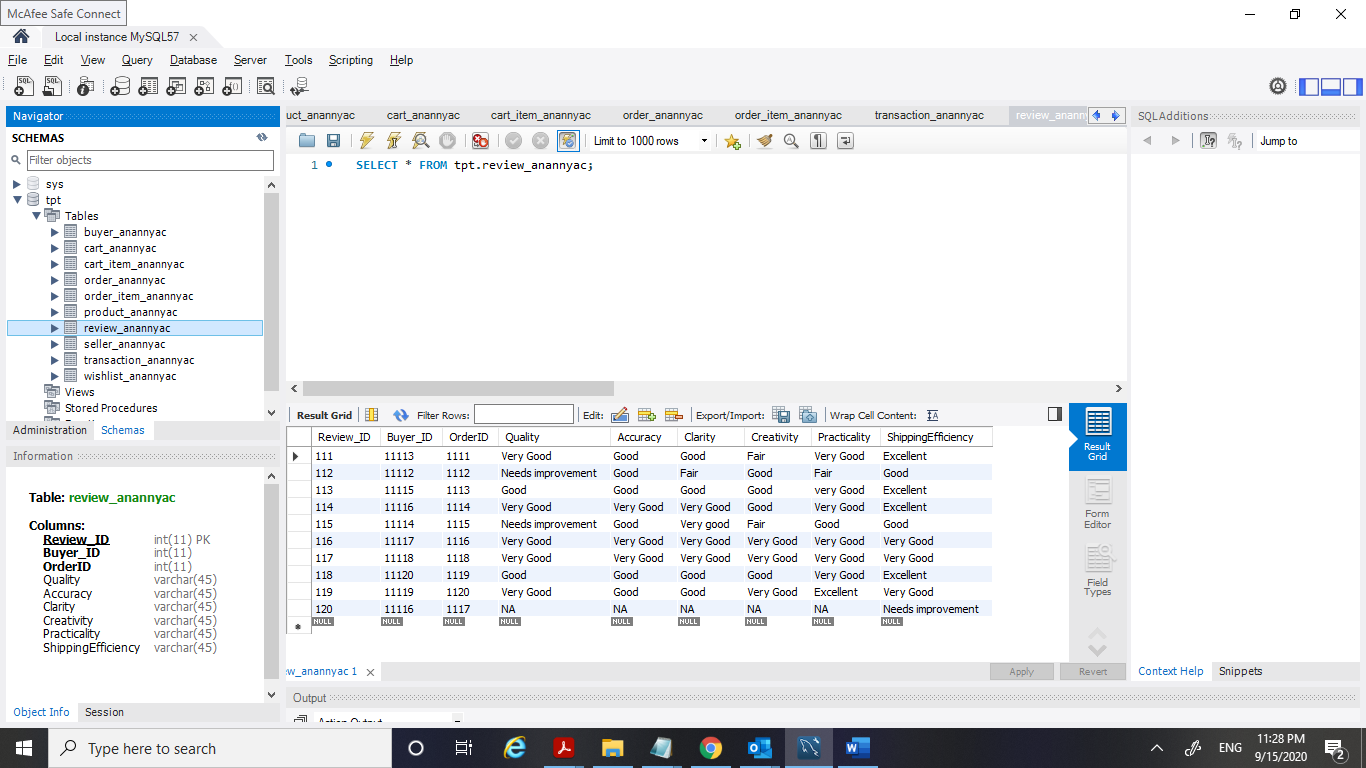
1. **Order\_item\_anannyac**



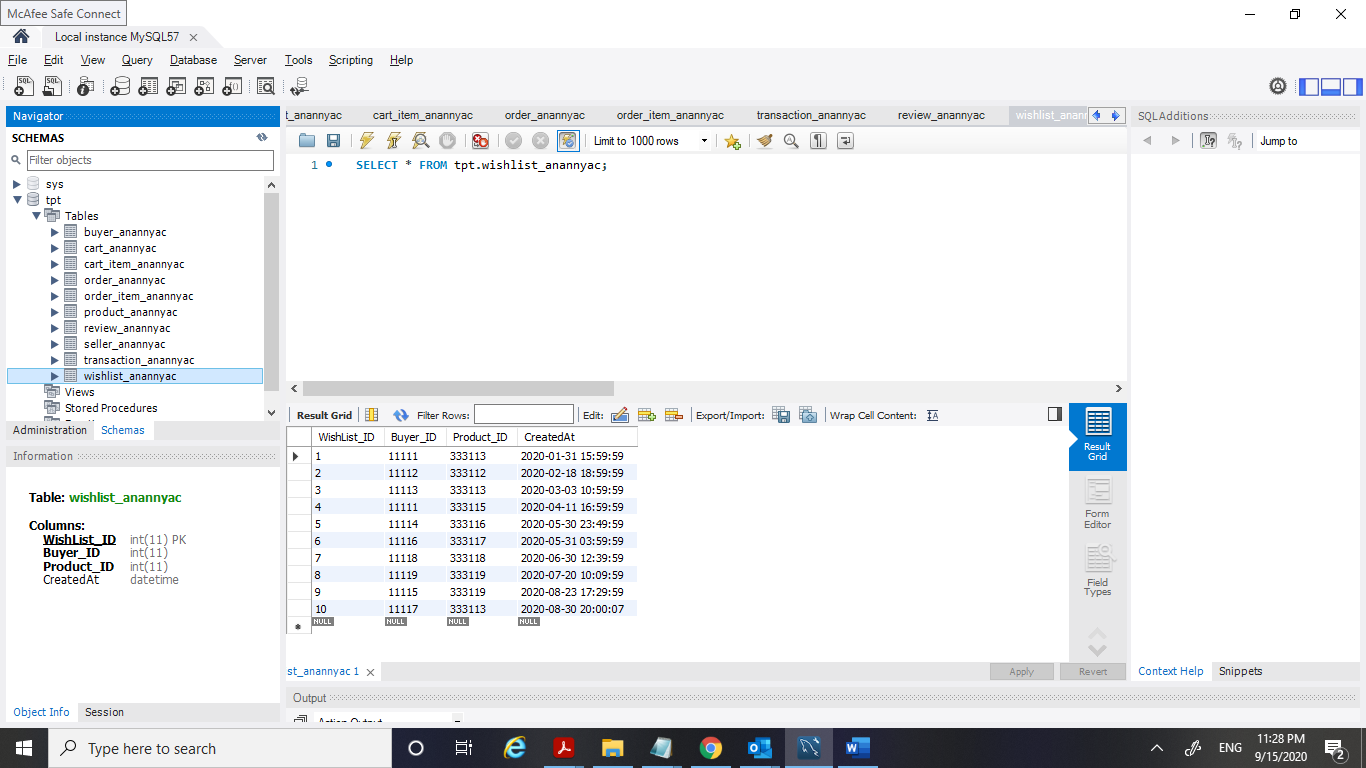
1. **Transaction\_anannyac**



1. **Review\_anannyac**



1. **Wishlist\_anannyac**



**Relationships between the entities:**

1. One SELLER can Upload many PRODUCTs.  **Minimum Cardinality = 1**

One PRODUCT is Uploaded by only one SELLER**. Minimum Cardinality = 1**

1. One BUYER Buys many PRODUCTs **Minimum Cardinality = 1**

One PRODUCT may be bought by Many BUYERs **Minimum Cardinality = 0**

1. One BUYER can get MANY CART **Minimum Cardinality = 1**

One CART is assigned to only ONE BUYER **Minimum Cardinality = 1**

1. One CART contains Many CART\_ITEM **Minimum Cardinality = 1**

One CART\_ITEM is contained in only ONE CART **Minimum Cardinality = 1**

1. One BUYER may Add/delete 0 to Many CART\_ITEM **Minimum Cardinality = 0**
2. Each CART\_ITEM is added/deleted by only 1 BUYER **Minimum Cardinality = 1**
3. One BUYER may place Many ORDER **Minimum Cardinality = 0**

One ORDER is placed by only ONE BUYER **Minimum Cardinality = 1**

1. One ORDER contains many ORDER\_ITEM **Minimum Cardinality = 1**

One ORDER\_ITEM is contained in only 1 ORDER. **Minimum Cardinality = 1**

1. One BUYER may transact Many ORDER **Minimum Cardinality = 0**

One ORDER is transacted by only one BUYER. **Minimum Cardinality = 1**

1. One BUYER may provide Many REVIEW **Minimum Cardinality = 0**

One REVIEW is provided by only ONE BUYER. **Minimum Cardinality = 1**

1. One BUYER May create 0 to Many WISHLIST **Minimum Cardinality = 0**

One WISHLIST is created by only One BUYER **Minimum Cardinality = 1**

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