Deadline 3 Report
Illuminate

In this submission, we've constructed SQL tables and inserted basic data in it. This data has been generated using a python script written using data constraints described in ER diagram. Constraints have been added to ensure data consistency and accuracy, such as constraints on the format of email addresses and phone numbers.This script sets the SQL mode to 'TRADITIONAL' and disables foreign key and unique checks before creating the schema, and then sets them back to their original values after the schema has been created. The tables are linked through foreign key relationships. The schema uses InnoDB as the storage engine and UTF-8 as the default character set. The script sets some session variables, such as @@UNIQUE_CHECKS and @@SQL_MODE, at the beginning and restores their original values at the end, this is to temporarily disable some constraints for the duration of the script.

Schema

Our schema has fifteen tables, three views and one trigger . We've made use of all the integrity constraints. The tables, views and trigger are created as following:

1. Employee
2. Employee_Mobile_Numbers
3. VIEW Employee_Details
4. Customer
5. Customer_Mobile_Number
6. VIEW Customer_Details
7. Seller
8. Seller_Mobile_Numbers

9. VIEW Seller_Details
10. Product
11. Category
12. Review
13. Trigger tr_review_insert
14. Brand
15. Cart
16. Wishlist
17. Order
18. Courier
19. Customer_Transaction