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CSE4020 Database Systems

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**Final Project Report**

| **Group Member** | **Tasks Completed** | **Description** |
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| Matthew Fitzgerald | Phase 1, Phase 6  (Produced the required files as well: .sql and .csv for these phases) | I was responsible for the completion of Phase 1 of the class project, as well as Phase 6. I completed Phase 1 early enough to allow my group project members plenty of time to complete their phases, and was available for support throughout the completion of the project. Phase 6 was straightforward and relatively simple. |
| Ben | Phase 5.1, Phase 5.2 (Generated SQL and CSV files as the group thought was needed) | I was responsible for creating a view that generated goods sold and revenue generated by each employee. I set this up as a breakdown. The view will show each individual order with its quantity as well as the amount made with an applied discount. I was also responsible for creating a trigger that reduced stock quantity when a new order was placed. This trigger acts on the order details page.  When new order\_details are added (an order must already  exist to add details),  the product’s stock quantity will be reflected accordingly. |
| David | Phase 2, Phase 5.3 | I normalized the database set up in Phase 2, making sure it satisfied the conditions and requirements for normalization. In addition I also created the command for Phase 5.3 |
| Chris | Phase 3, Phase 4 | I worked on making the ER diagram and then adding the table alterations needed. These included unique constraints and other data types. In phase 3 I set up the ER diagram using the built in tool for MySQL. In phase 4 I added the needed constraints based on the new ER diagram to better structure the database. |