Name: Mohab Yousef ID: 904154154 Email: mey0012@auburn.edu Class: COMP5120 Project Experiment Works 0n Personal Civil Computer Description Name ID Administrator Price VIN Crane Drill

Assumptions:

- 1.It's assumed that each entity has a unique identifier (primary key), such as ProjectID, ExperimentID, SSN, VIN, BoreholeID, RoutingNumber, AccountNumber, etc.
- 2.The cardinality of relationships is assumed based on the description.
- The roles of employees in experiments are assumed to be defined by attributes l 3. It's assumed that data entered into the database will be consistent and follow the defined schema structure.
- 4.It's assumed that each account is associated with only one bank. If an account can have multiple banks the schema would need to be adjusted accordingly.
- 5.Zip code regions are assumed to be unique and defined by their corresponding Zip Code attribute.
- 6.It's assumed that each project can receive funding from multiple transactions, and each fund is associated with one project.
- 7. Equipment is assumed to be used in multiple missions across different experiments.
- 8.It's assumed that each borehole can have multiple soil layers encountered while drilling.
- 9.It's assumed that the mission data described in the project description can be adequately represented within the Experiment entity itself.

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