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Relational Schema

This document is a formal written form of the tables(relational schema) of the local database that will be used in this project. These schema will be in the corresponding 3rd Normal Form (3NF) with the right primary & foreign keys, converted primarily from how the ER Diagram is constructed. There will be two sections, one will be a section for the schemas of Entities, and the second for the schemas of Relationships.

Legend:

- (_) <— Underlines denote Primary Keys

- (*) <— Denotes Foreign Keys

Entities

Sales Associate(id, name_associate, username, password, created_at, sale_commission, address)

HQ Staff(id, username, password, is_admin)

Purchase Order(id, created_at, process_date, sales_comission)

Quotes(id, cust_id, sale_id*, is_finalized, is_sanctioned, line_items, secretnotes, price, discounts, cust_email, created_at, last_modified)

*Foreign Key "sale_id" references **Sales Associate***(id)*

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Relationships

Converts(<u>quote_id</u>*, <u>staff_id</u>*, order_id*)

*Foreign Keys: "quote_id" references **Quote**(id),*

*"staff_id" references **HQ Staff**(id),*

*"order_id" references **Purchase Order**(id)*

Edits(<u>quote_id</u>*, <u>staff_id</u>*)

*Foreign Keys: "quote_id" references **Quote**(id),*

*"staff_id" references **HQ Staff**(id)*

Manages(<u>sale_id</u>*, <u>staff_id</u>*)

*Foreign Keys: "sale_id" references **Sales Associate**(id),*

*"staff_id" references **HQ Staff**(id)*