

Resource
-id = Column(Integer, primary_key=True, index=True, autoincrement=True) : Integer -item = Column(String(100), unique=True, nullable=False) : String -amount = Column(Integer, index=True, nullable=False, server_default='0.0') : Integer -unit = Column(String(100), unique=False, nullable=False, server_default='0.0') : String -recipes = relationship("Recipe", back_populates="resource") : Relationship

Recipe references Resources primary key

Recipe
-id = Column(Integer, primary_key=True, index=True, autoincrement=True) : Integer -item_id = Column(Integer, ForeignKey("menu_items.id")) : Integer -resource_id = Column(Integer, ForeignKey("resources.id")) : Integer -amount = Column(Integer, index=True, nullable=False, server_default='0.0') : Integer -item = relationship("Menuitem", back_populates="recipes") : Relationship -resource = relationship("Resource", back_populates="recipes") : Relationship

Recipe references Menuitems primary key

Promotion
-id = Column(Integer, primary_key=True, index=True, autoincrement=True) : Integer -promotion_code = Column(String(100), unique=True, nullable=True) : String -expiration_date = Column(DATETIME, nullable=True, unique=False) : DATETIME -discount = Column(Integer, index=True, nullable=True, server_default='0.0') : Integer -item_id = Column(Integer, ForeignKey("menuitem.id")) : Integer -menu_items = relationship("Menuitem", back_populates="promotion") : Relationship

Promotion references Menuitems primary key

Menuitem
-id = Column(Integer, primary_key=True, index=True, autoincrement=True) : Integer -item_name = Column(String(100), unique=True, nullable=True) : String -price = Column(DECIMAL(4, 2), nullable=False, server_default='0.0') : DECIMAL -calories = Column(Integer, nullable=False, server_default='0') : Integer -category = Column(String(100), nullable=False, server_default='') : String -recipes = relationship("Recipe", back_populates="menu_item") : Relationship -order_details = relationship("OrderDetail", back_populates="menu_item") : Relationship

OrderDetail references Menuitems primary key

OrderDetail
-id = Column(Integer, primary_key=True, index=True, autoincrement=True) : Integer -order_id = Column(Integer, ForeignKey("orders.id")) : Integer -item_id = Column(Integer, ForeignKey("menu_items.id")) : Integer -amount = Column(Integer, index=True, nullable=False) : Integer -item = relationship("Menuitem", back_populates="order_details") : Relationship -order = relationship("Order", back_populates="order_details") : Relationship

OrderDetail references Order Primary key

Order
-id = Column(Integer, primary_key=True, index=True, autoincrement=True) : Integer -date = Column(DATETIME, nullable=False, server_default=str(datetime.now())) : DATETIME -customer_id = Column(Integer, ForeignKey("customers.id"), nullable=False) : Integer -tracking_number = Column(String(255), nullable=False) : String -total_price = Column(DECIMAL, nullable=False) : DECIMAL -order_placed = Column(DATETIME, server_default=str(datetime.now())) : DATETIME -order_prepping = Column(DATETIME, server_default="N/A") : DATETIME -order_ready = Column(DATETIME, server_default="N/A") : DATETIME -review_text = Column(String(500)) : String -review_rating = Column(DECIMAL) : DECIMAL

Order references Customers Primary Key

Customer
-id = Column(Integer, primary_key=True, index=True, autoincrement=True) : Integer -customer_name = Column(String(100), unique=True, nullable=True) : String -customer_email = Column(String(100), unique=True, nullable=True) : String -customer_phone_number = Column(String(100), unique=True, nullable=True) : String -customer_address = Column(String(100), unique=False, nullable=True) : String

PaymentInfo references Customers primary key

PaymentInfo
-id = Column(Integer, primary_key=True, index=True, autoincrement=True) : Integer -card_number = Column(String(100), unique=True, nullable=False) : String -card_expir_date = Column(DATETIME, unique=False, nullable=False) : DATETIME -card_cvc = Column(Integer, unique=False, nullable=False) : Integer -transaction_status = Column(String(100), unique=False, nullable=False) : String -customer_id = Column(Integer, ForeignKey("customers.id")) : Integer -customers = relationship("Customer", back_populates="payment_information") : Relationship

model_loader.py
def index(): orders.Base.metadata.create_all(engine) order_details.Base.metadata.create_all(engine) recipes.Base.metadata.create_all(engine) Menuitem.Base.metadata.create_all(engine) resources.Base.metadata.create_all(engine)