**SQL Server Management Studio Model**

A screenshot of a computer

Description automatically generated

**Table Names and Descriptions:**

1. **Customers**
   * Stores basic customer information.
2. **Tools**
   * Stores detailed information about rental tools.
3. **Rentals**
   * Records details of each rental transaction.
4. **Brands**
   * Stores information about tool brands.
5. **RentalsLine**
   * Records specific tools and quantities in each rental transaction.
6. **Payment**
   * Records payment information for each rental transaction.
7. **HandTool**
   * Stores detailed information about hand tools, dependent on the Tools table.
8. **PowerTool**
   * Stores detailed information about power tools, dependent on the Tools table.
9. **PayMethod**
   * Stores available payment methods.

**Table Relationships:**

1. **Customers** and **Rentals** have a one-to-many relationship:
   * A customer can have multiple rental records.
2. **Tools** and **RentalsLine** have a one-to-many relationship:
   * A tool can appear in multiple rental line records.
3. **Rentals** and **RentalsLine** have a one-to-many relationship:
   * A rental record can have multiple rental line records.
4. **Brands** and **Tools** have a one-to-many relationship:
   * A brand can have multiple tools.
5. **Rentals** and **Payment** have a one-to-many relationship:
   * A rental record can have multiple payments.
6. **Tools** and **HandTool**, **PowerTool** have a one-to-one relationship:
   * A tool can either be a hand tool or a power tool.
7. **PayMethod** and **Payment** have a one-to-many relationship:
   * A payment method can be used in multiple payments.

**Table Fields Design (Initial):**

1. **Customers**
   * CustomerID (Primary Key)
   * Name
   * Email
   * Phone
   * StreetAddress
   * City
   * State
   * PostalCode
2. **Tools**
   * ToolID (Primary Key)
   * Name
   * BrandID (Foreign Key, references Brands table)
   * Description
   * StockQuantity
   * DailyRate
   * OverdueRate
3. **Rentals**
   * RentalID (Primary Key)
   * CustomerID (Foreign Key, references Customers table)
   * RentalDate
   * ReturnDate
4. **Brands**
   * BrandID (Primary Key)
   * BrandName
5. **RentalsLine**
   * RentalID (Foreign Key, references Rentals table)
   * ToolID (Foreign Key, references Tools table)
   * Quantity
6. **Payment**
   * PaymentID (Primary Key)
   * RentalID (Foreign Key, references Rentals table)
   * PaymentDate
   * Amount
   * PayMethodID (Foreign Key, references PayMethod table)
7. **HandTool**
   * ToolID (Primary Key, Foreign Key, references Tools table)
   * Weight
   * Material
8. **PowerTool**
   * ToolID (Primary Key, Foreign Key, references Tools table)
   * Power
   * Voltage
   * BatteryType
9. **PayMethod**
   * PayMethodID (Primary Key)
   * PayMethodName