Q2.

2.1.2.

HOM\_67737900: Represents individuals like Siya Khumalo and Deacon Willemse who manage the shopping centre’s maintenance.

Parking\_Attendant\_67737900: Represents the parking area staff who work in shifts and may or may not check out POS devices.

POS\_67737900: Represents the POS devices that can be checked out by Heads of Maintenance and used by parking attendants.

2.1.3.

HOM\_67737900: HOM\_ID(PK)

Parking\_Attendant\_67737900: Attendant\_ID(PK)

POS\_67737900: Device\_ID(PK), HOM\_ID(FK1), Attendant\_ID(FK2)

2.2.1.

INV\_GENERATOR\_STUDENT\_NUMBER Table:

* Business Rule 1: Each invoice line is uniquely identified by the combination of Inv\_number and Line\_number.
* Business Rule 2: Each line item on an invoice references a service, identified by Service\_code, which must exist in the CLEANING\_SERVICE\_STUDENT\_NUMBER table.
* Business Rule 3: Each line item on an invoice is part of an invoice identified by Inv\_number, which must exist in the INVOICE\_STUDENT\_NUMBER table.

CLEANING\_SERVICE\_STUDENT\_NUMBER Table:

* Business Rule 4: Each cleaning service is uniquely identified by Service\_code.
* Business Rule 5: Each cleaning service has a description (Service\_descript) and a price (Service\_Price).

INVOICE\_STUDENT\_NUMBER Table:

* Business Rule 6: Each invoice is uniquely identified by Inv\_number.
* Business Rule 7: Each invoice references a vehicle, identified by Vehicle\_reg, which must exist in the VEHICLE\_REG\_STUDENT\_NUMBER table.
* Business Rule 8: Each invoice records the date (Inv\_date) on which the invoice was created.

VEHICLE\_REG\_STUDENT\_NUMBER Table:

* Business Rule 9: Each vehicle is uniquely identified by Vehicle\_reg.
* Business Rule 10: Each vehicle has an associated customer phone number (Customer\_phone).