

Employee-Customer-Appointment-Service Schema

1NF

(**employee number**, employee_firstname, employee_lastname, employee_phoneNumber, employee_email, **customer number**, customer_firstname, customer_lastname, customer_phoneNumber, customer_address, service_number, service_price, service_description, appointment_date, appointment_time, appointment_status)

2NF

Employee (**employee number**, employee_firstname, employee_lastname, employee_phoneNumber, employee_email)

Customer (**customer number**, customer_firstname, customer_lastname, customer_phoneNumber, customer_address)

Appointment (**employee number, customer number**, appointment_date, appointment_time, appointment_status, service_number, service_price, service_description)

3NF

Employee (employee number, employee_firstname, employee_lastname, employee_phoneNumber, employee_email)

Customer (customer number, customer_firstname, customer_lastname, customer_phoneNumber, customer_address)

Appointment (employee number, customer number, appointment_date, appointment_time, appointment_status, , service number (FK))

Service (service number, service_price, service_description)

Product-Supplier Schema

1NF

(product number, product_name, product_description, product_price, supplier_number, supplier_name)

2NF

(product number, product_name, product_description, product_price, supplier_number, supplier_name)

3NF

Product (product number, product_name, product_description, product_price, supplier number (FK))

Supplier (supplier number, supplier_name)

Review-Customer Schema

1NF

(review number, review_date, review_description, customer_number, customer_firstname, customer_lastname, customer_phoneNumber, customer_address)

2NF

(review_number, review_date, review_description, customer_number, customer_firstname, customer_lastname, customer_phoneNumber, customer_address)

3NF

Review (review_number, review_date, review_description, **customer_number** (FK))

Customer (customer_number, customer_firstname, customer_lastname, customer_phoneNumber, customer_address)

Payment-Customer Schema

1NF

(payment_id, payment_date, payment_type, payment_amounth, customer_number, customer_firstname, customer_lastname, customer_phoneNumber, customer_address)

2NF

(payment_id, payment_date, payment_type, payment_amount, customer_number, customer_firstname, customer_lastname, customer_phoneNumber, customer_address)

3NF

Payment (payment_id, payment_date, payment_type, payment_amount, customer number (FK))

Customer (customer number, customer_firstname, customer_lastname, customer_phoneNumber, customer_address)

Service-Product Schema

1NF

(service number, service_price, service_description, product number, product_name, product_description, product_price)

2NF

Service (service number, service_price, service_description)

Product (product number, product_name, product_description, product_price)

ServiceProduct (service number, product number)

3NF

Service (service number, service_price, service_description)

Product (product number, product_name, product_description, product_price)

ServiceProduct (service number, product number)

Receipt Schema [3NF]

Receipt (receipt number, receipt_date, receipt_amounth, receipt_VAT)

Login Schema [?NF]

>> Primary key is not defined so it's in 0NF

Login(login_username, login_password)

Things To Note:

- Most of the tables are not yet named especially in their first normal forms.
- Just because of the customer entity we could not make this one large table and break it down in just one process it could result in conflict.
- Login entity must be provided with a primary key so long as it's an entity to qualify being in the 1NF!
- I may have missed few schemas, which I couldn't see by mistake but I hope now we can try to discuss way forward from what we see here!