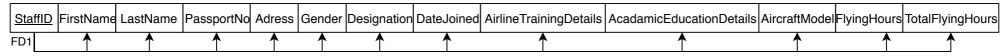
### **Checking for 3NF**

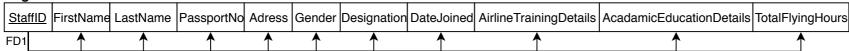




The table **Pilot** is in 2NF and it does not have any transitive functional dependencies and all the non primary key attributes depends on the primary key. There's only one functional dependency (FD1) and it's determinent is a super key.

Therefore the table Pilot is in 3NF.

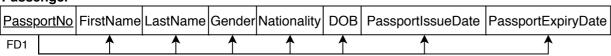
#### FlightAttendant



The table **FlightAttendant** is in 2NF and it does not have any transitive functional dependencies and all the non primary key attributes depends on the primary key. There's only one functional dependency (FD1) and it's determinent is a super key.

Therefore the table FlightAttendantis in 3NF.

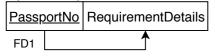
#### Passenger



The table **Passenger** is in 2NF and it does not have any transitive functional dependencies and all the non primary key attributes depends on the primary key. There's only one functional dependency (FD1) and it's determinent is a super key.

Therefore the table Passenger is in 3NF.

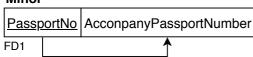
#### **SpecialRequirements**



The table **SpecialRequirements** is in 2NF and it does not have any transitive functional dependencies and all the non primary key attributes depends on the primary key. There's only one functional dependency (FD1) and it's determinent is a super key.

Therefore the table SpecialRequirements is in 3NF.

#### Minor



The table Minor is in 2NF and it does not have any transitive functional dependencies and all the non primary key attributes depends on the primary key.

There's only one functional dependency (FD1) and it's determinent is a super key.

Therefore the table Minor is in 3NF.

# Arrival



The table **Arrival** is in 2NF and it does not have any transitive functional dependencies and all the non primary key attributes depends on the primary key.

There's only one functional dependency (FD1) and it's determinent is a super key.

Therefore the table **Arrival** is in 3NF.

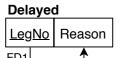
# Departure

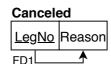


The table **Departure** is in 2NF and it does not have any transitive functional dependencies and all the non primary key attributes depends on the primary key.

There's only one functional dependency (FD1) and it's determinent is a super key.

Therefore the table **Departure** is in 3NF.





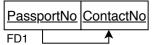
The tables **Delayed** and **Canceled** are in 2NF and they do not have any transitive functional dependencies.

All the non primary key attributes depends on the primary key.

The tables **Delayed** and **Canceled** each has a functional dependency called FD1 and it's determinent is a super key.

Therefore the table **Departure** is in 3NF.

# Passenger\_Contact\_No



The table Passenger\_Contact\_No is in 2NF and it does not have any transitive functional dependencies.

The table **Passenger\_Contact\_No** has a functional dependency called FD1 and it's dependent is a prime attribute.

Therefore the table **Passenger\_Contact\_No** is in 3NF.

# Pilot\_Contact\_No StaffID ContactNo

FlightAttendant_Contact_				Vо
<u>Sta</u>	ffID	<u>ContactNo</u>		
FD1		<u> </u>	•	

The tables Pilot\_Contact\_No and FlightAttendant\_Contact\_No are in 1NF and 2NF and they do not have any transitive functional dependencies.

The tables Pilot\_Contact\_No and FlightAttendant\_Contact\_No each has a functional dependency called FD1 and their dependents are prime attributes.

Therefore the tables **Pilot Contact No** and **FlightAttendant Contact No** are in 3NF.