



- A Flight must have at least one airport (in the rare case of a flight taking off and arriving at the same airport).
- Every flight must have a cancellation status, either 0 for not cancelled or a different number correlating to a different reason. Every reason can have 0 or many flights.
- Each delay is row in the delay table is directly related to a flight so it must have only one flight, while each flight either will or will not have data in the delays table.
- Every flight can have 0 to many users and every user can have 0 to many flights, these two entities are joined via a subscription.
- Each flight is connected to one and only one airplane, and each plane is connected to 0 to many flights, in the case of a plane still being registered but it is decommissioned.
- Each flight belongs one and only one airline while an airline may have 0 to many flights in the table
- Every airline has 1 to many planes, and every plane has exactly 1 airline.