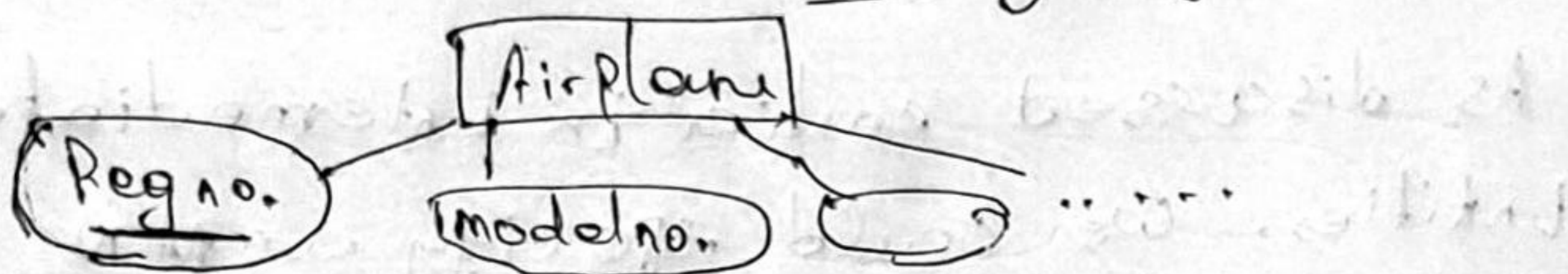


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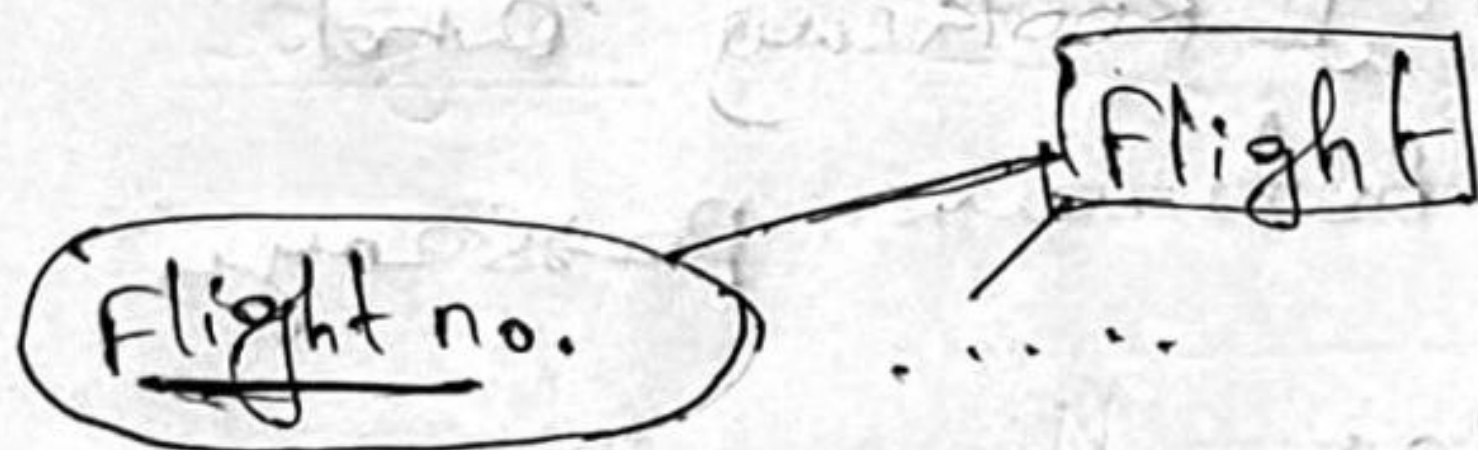
G. Nithish
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✶ An Airplane is uniquely identified by its Registration Number, so here we use this as the primary key.—



✶ A Flight is uniquely identified by its flight number, so we use the flight no. as the primary key : "

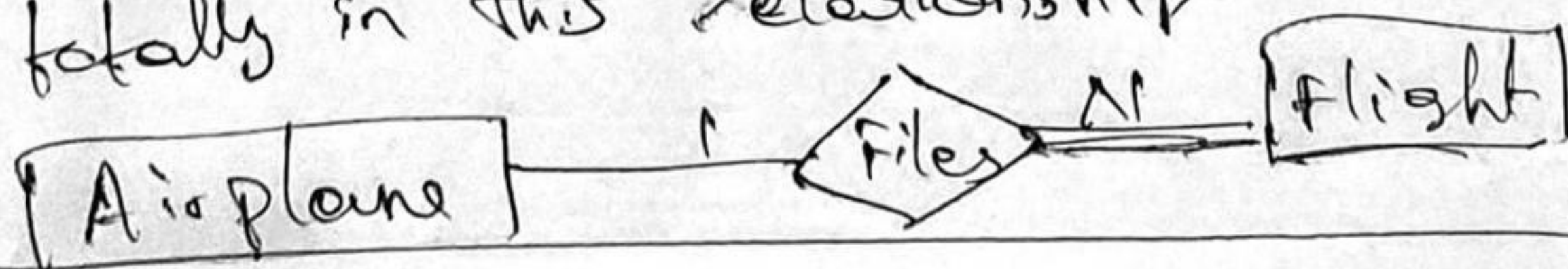
The departure & destination airports are captured in the from & to attributes & we have separate attributes for the departure & arrival date and time



✶ An airplane can be involved in any number of flights, while each flight uses exactly one airplane, so the files relationship between the airplane and flight relationship has cardinality

1:N ~~the~~

Because a flight can't exist without an airplane the flight entity participates totally in this relationship.



→ A Passenger can book any no. of flights while a flight can be booked by any no. of passengers.

→ As discussed earlier in Intermediate Entities, we could specify an M:N Booking relationship between the Passenger & flight relationship, but considering the issue more carefully shows that there is a hidden entity here: the booking itself.

→ We capture this by creating the intermediate entity Booking and 1:N relationship between passengers and flight entities.