

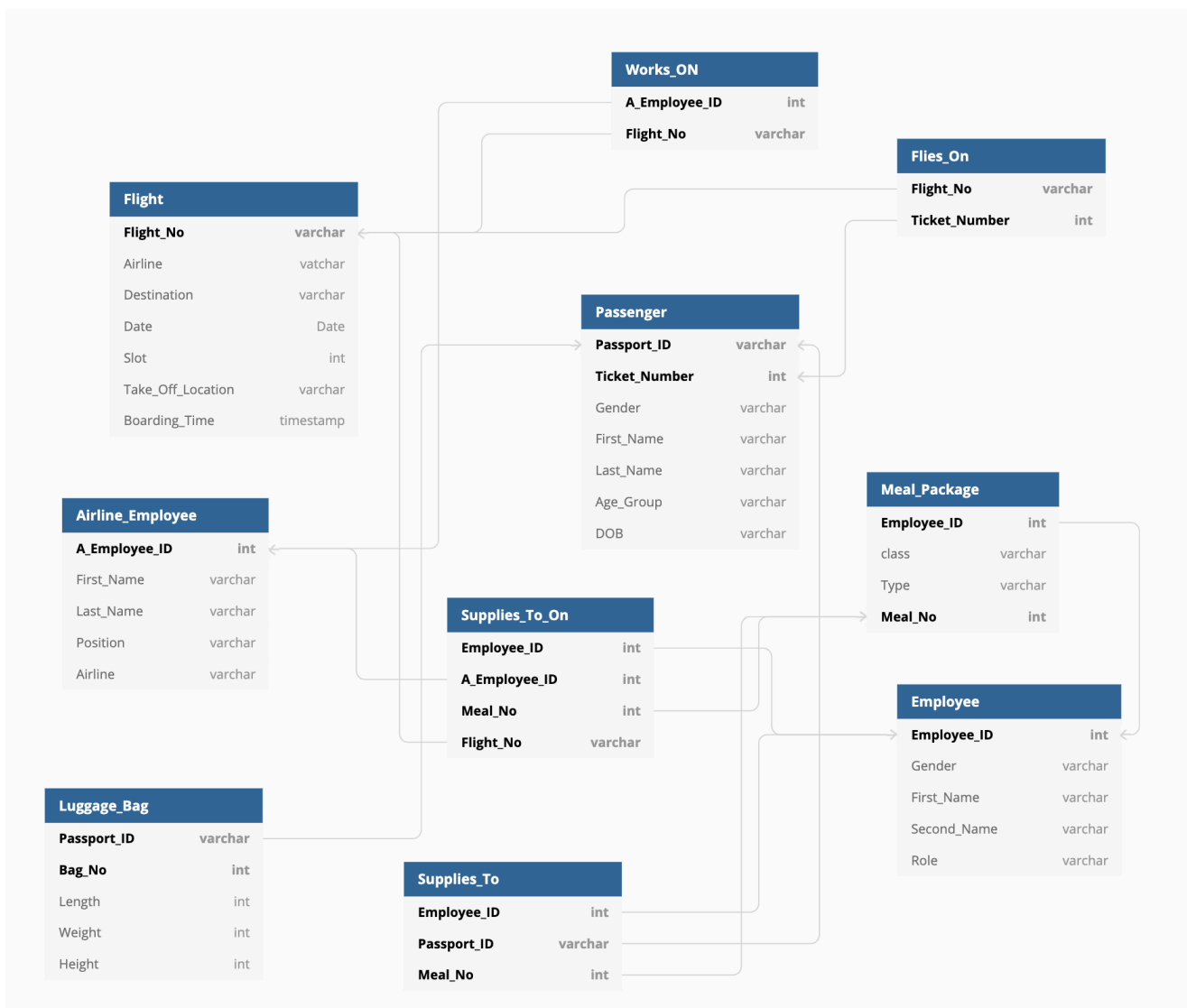
Relational Model - Phase 3

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Changes made to the design:

1. Adding Bag No. partial key to luggage bag entity
2. Added Meal No. partial key to Meal Package entity to differentiate meals made by the same employee(caterer).
3. Changed the name of employee id to a-employee id to remove ambiguity
4. Removed carries relation as it was redundant
5. Removed multi-valued attribute ticket Numbers from Flight entity as the same attribute is handled in the Flies On relation.
6. Carries relation is removed as Passenger and Luggage entities are already related by the Passport ID attribute.
7. Transferring attributes Flight no., Passenger ID/Employee ID from Meal Package entity to the Supplies to and Supplies to on relations.

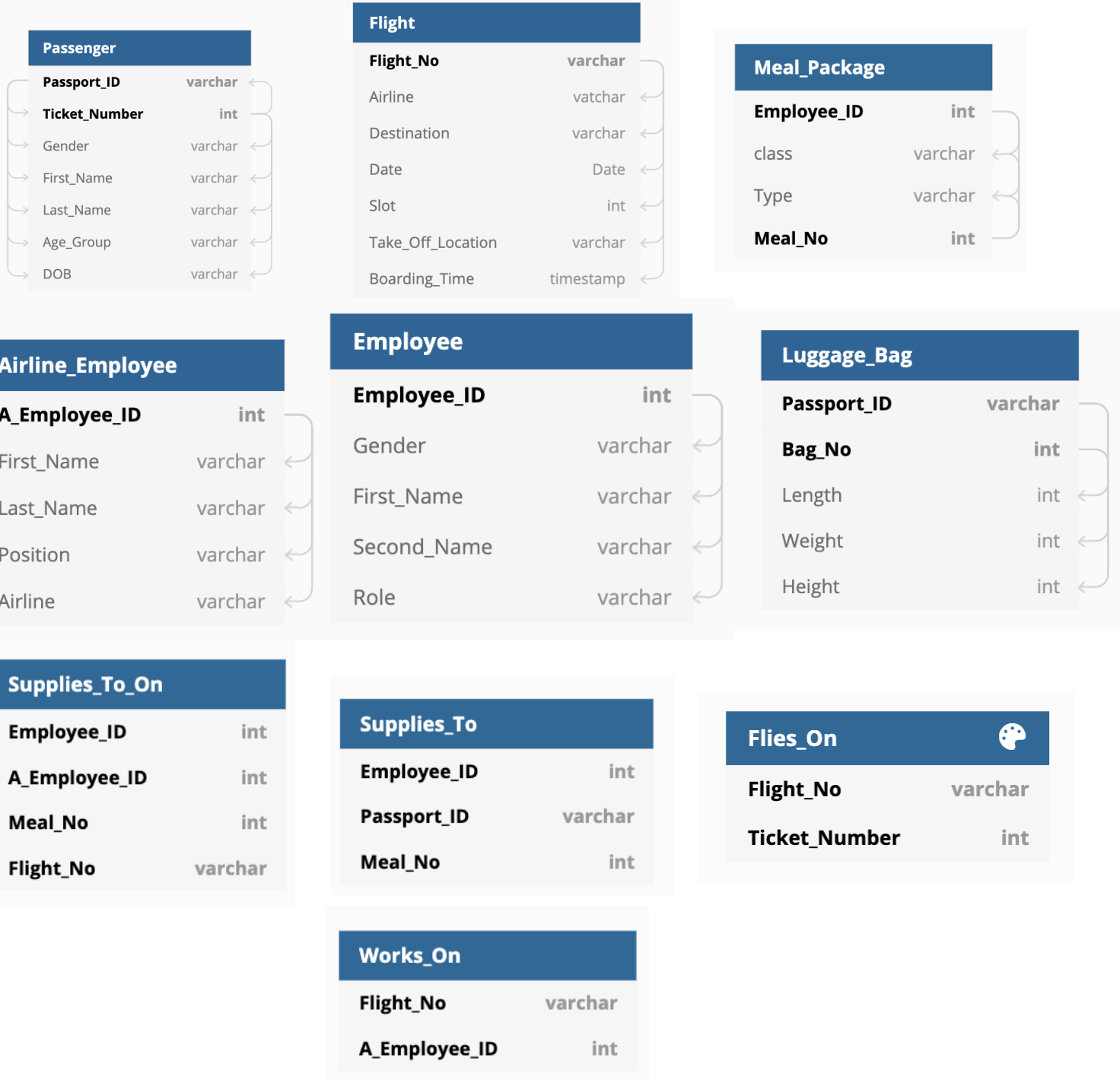


Analysis for 1NF-

All attributes are atomic.

All columns have been given unique identifiers.

Added Functional dependency analysis.



Analysis for 2NF- Conditions for 2NF satisfied, no partial dependencies found.

Analysis for 3NF -Conditions for 3NF satisfied, no transitive dependencies found.