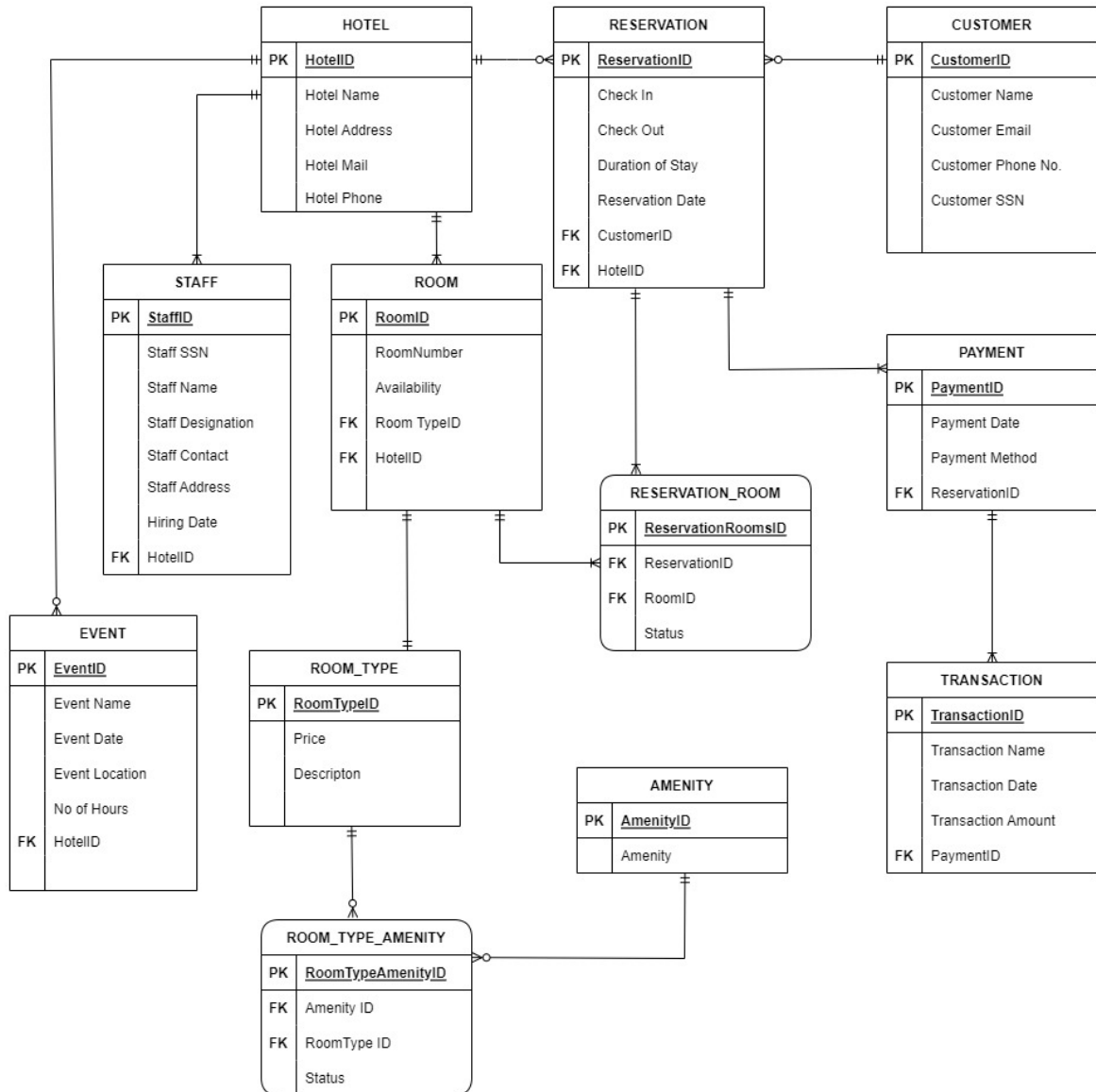


# DMDD Project Group 6 - Hotel Management Database System

## P3 - Final ERD



## **Changes Made:**

The changes we made to the initial ERD considering the professor's feedback to P2 are as follows:

- The initial ERD has been changed to include Entity boxes with attributes contained inside the boxes.
- Defined the Primary Keys and Foreign keys for each entity
- We have removed the entity 'Inventory' and have replaced it with an entity titled 'Amenity'. This new Amenity entity is related to the Room entity.
- Replace M:M relationships with Associative entities. Further normalized the diagram to a 3NF Form.
- Updated the Nomenclature of the entities and their attributes.
- Introduced a new associative entity 'Reservation\_Room' between Reservation and Room entities. We have added this entity to handle multiple room bookings from one customer.
- Added a new Associative entity 'RoomType\_Amenity' between entities Room type and Amenity.
- Added an attribute 'Status' in associative entities to display the current status of the entities.