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FIT2094 Assumptions:

Task 1

- Each *ADDRESS* entity represents an address of a passenger. Different *passengers* can have the same *address* which means the same address can be reused. Therefore, I have created a many to one relationship from PASSENGER to ADDRESS entity.
- Ocean Odyssey (OO) is a worldwide travel company. The company books passengers on ships that operate cruises departing from various ports worldwide hence I am assuming that there will be no ship without a cruise meaning that there would be at least one cruise on a ship. Therefore, I have created a many to one relationship from SHIP to CRUISE entity.

Task 3:

- For the CRUISE AND ITINERARY relationship, I have one to many relationships because it was initially assumed that each ship must have at least one cruise hence due to this I have assumed that a cruise must have at least one ITINERARY.
- Added surrogate keys to MANIFEST AND ADDRESS entities because there is a unit rule that states that add a surrogate key if the relation has a composite key with more than two attributes hence the ADDRESS has a composite key that consists of five attributes thus adding a surrogate key like add_num simplifies the foreign key referencing hence simplifying the database similarly MANIFEST also has a composite key that consists of 3 attributes hence I have replaced it with mani_no surrogate key simplifying the referencing MANIFEST