

## List of Unhandled Constraints

- Ensuring that each trip leg must depart from one port and arrive at a different unique port.
- Ensure that cruise costs are not equal to 0 or negative.
- Ensure that a passenger has enough funds to book a cruise.
- Ensure that a passenger's credit is reduced when they book a cruise, by the cost value of the cruise.
- Ensure that a crew member has proper licenses for the ship they are assigned to.
- When a cruise is complete, ensure that every passenger gains the sum of the miles from the trip legs of the journey in their miles attribute.
- Speed and Capacity of a ship must be greater than 0.
- An Ocean Liner going to sea must have more than 1 lifeboat, and obey proper regulations.
- Ship and Person's location must match the arrival port of the most recent cruise leg.
- One ship can only undertake one cruise itinerary at a time.
- Crew members can only be assigned to one cruise at a time.
- Crew member experience level has to be a non-negative whole number, but can be 0.
- Passengers miles balances and funds have to be a non-negative number but can be 0.
- Ensure that there are less bookings for a cruise than the maximum capacity of the ship assigned to the cruise.