

The Northampton Shipping Line

For the scenario below identify the entities, their attributes and appropriate keys

The Northampton Shipping Line has a number of ships. Each ship has a different name and the size of the ship (tonnage) and the recommended number of crew members needs to be recorded. Each ship is registered to a specific country and the shipping line has ships registered to different countries. Each ship has cabins to accommodate the crew. Cabins have a unique cabin number, and are of different types and different numbers of beds.

All crew members have a unique Crew ID, their name and next of kin details are recorded as well as the date they started with the shipping line, known as the service date, and their insurance number.

Each journey undertaken by a ship is known as a sailing. Each sailing has a start port and a destination port. The date the ship starts its journey is recorded.

Crew are assigned to ships for specific sailings. For each sailing they undertake their role (for example Navigator) is recorded.