**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.

Ships (Entity)

Ship Name (Primary Key) -

Ship Size – In tonnes

Ship Country – Country registered to

Ship Crew – Number of crew

Cabin (Entity)

Cabin number (Primary Key)-

Cabin type -

Cabin number of beds -

Crew Members (entity)

Crew ID (Primary Key) –

Crew Name –

Crew next of kin -

Crew service date -

Crew Insurance Number –

Sailing (Event entity)

Ship Name -

Start port –

Destination port –

Journey start date –