

## Logical Data Requirements

- Boats are watercraft designed for travel or transportation across bodies of water. Boats have hull registration numbers which uniquely identify them. Boat names are most often times unique, but are subject to change. The length, width, weight, shape, and boat color(s) must be recorded. The year the boat was constructed must also be recorded as well as it's make and model.
- Boats enter Harbors. Every time a boat enters a given harbor we must record the arrival and departure times. Each boat has a single harbor of registry i.e. a specific harbor that serves as it's home harbor. Harbors are identified globally by a trade and transport location code. The location, including latitude and longitude, address, country, region/state, and city must be recorded. The harbor perimeter size, type of seabed, and depth of water must also be recorded.

## ER Diagram

