

House-Boat Management System

Abstract:

HouseBoat management system allows the owner of the company to efficiently monitor the booking history, accounts, check-in, checkout status of the boats. HouseBoat booking system is best suitable for managing your resources in a very simple and effective manner with minimal efforts and time so that it increases revenue.

Specifications:

A client provides his details such as his Name, Date of Birth, City, Country and his Contact Number at the time of booking. A Client is uniquely identified by a `client_id`. A Client can book a single boat per booking. A client is mandated to book a boat for a minimum period of one day. He/She can make any no of bookings.

A boat is uniquely identified by boat number. Every boat offers some set of services such as Bar, Cuisine, WIFI etc based on its type. Every boat is owned by an owner. An owner can have any number of boats. Owner details and his Licence number is recorded.

There are some set of routes/packages offered by the Boat operator. Every route has a predefined set of sightseeing spots that the tour covers. A client is allowed to choose a single route for a specific booking. A route is uniquely identified by a `route_id`. Every booking has a `start_date` and `end_date`. A booking is uniquely identified by `client_id`, `boat_number`, `from_date`. An amount for every booking is based on the type of boat and number of days of booking. For every Booking, payment status and payment method is also recorded.