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CS 496
RESTful Marina

Operations on Boats and Ships

Website: https://restfulmarina.appspot.com

Boat Functions:

POST   /boat
        Adds Boat to database
        Example Data to be provided:
        {"name":"boat name", "type":"boat type", "length": 15}
        Name is required to add boat
        at_sea will be set automatically to true

DELETE   /boat/{{id}}
        Deletes Boat from database

PATCH   /boat/{{id}}
        Modify Boat info : You can update all fields or just a single field with one input
        Examples of Data to be provided:
        {"name":"boat name", "type":"boat type", "length": 15}
        {"type": "Dinghy"}
        {"at_sea": false}

PUT   /boat/{{id}}
        Replace boat info: You can update all fields, but must include the boat name, all un-updated
        fields will be set to null
        Examples of Data to be provided:
        {"name":"boat name", "type":"boat type", "length": 15}
        {"name":"new boat name", "type": "Dinghy"}
        {"name":"black pearl", "at_sea": false}

GET   /boat/{{id}}
        View Single Boat using the boat id

GET   /boats
        View list of boats

Slip Functions:

POST   /slip
        Adds Slip to database
        Examples of Data to be provided:
        {"number": ship number}
        Slip number is required
        Added slip will have current_boat and arrival_date set to null

DELETE   /slip/{{id}}
    Deletes Slip with slip id from database

PATCH   /slip/{{id}}
    Modify Slip info
    You can modify all fields including number, current_boat and arrival_date
    All fields not included will keep current values
    Examples of Data to be provided:
    {"number": 12, "current_boat":"boat id", "arrival_date": "12/25/1969"}
    {"number": 27, "current_boat": "boat_new_id"}
    {"arrival_date": "12/2/85"}

PUT   /slip/{{id}}
    Replace slip info
    You can modify all fields including number, current_boat and arrival_date
    But must include number
    All fields not filled in will be set to null
    Examples of Data to be provided:
    {"number": 12, "current_boat":"boat id", "arrival_date": "12/25/1969"}
    {"number": 27, "current_boat": "boat_new_id"}

GET   /slip/{{slip_id}}/
    View Slip Information

Boat Arrival, Departure, View Boat in Slip:

GET   /slip/{{slip_id}}/boat
    View boat currently in slip

DELETE   /slip/{{slip_id}}/boat
    Remove Boat from Slip and set boat to at Sea

PATCH   /slip/{{slip_id}}/boat
    Associates boat with a slip
    Must send Boat id and arrival date and slip must not be currently occupied
    Example Data to be sent:
    {"boat_id": "boatid", "arrival_date": "1/1/2000"}
    Boat ID is required for proper functionality