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CS496-400
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REST Planning and Implementation

App is hosted at:

> https://cs496-191817.appspot.com

All the Rest API calls:

> GET   /boats /{boatID}
> GET   /boats
> GET   /slips   /{slipID}
> GET   /slips
> POST   /boats
> POST   /slips
> PATCH /boats /{boatID}
> PATCH /slips   /{slipID}
> PUT   /slips   /{slipID}   /dock
> DELETE /slips   /{slipID}
> DELETE /slips
> DELETE /boats /{boatID}
> DELETE /boats

Information about calls:

BOAT URL's

POST /boats

Details: This call is used to create a boat. The inputs for the json body is going to be name, type, and length.

Input: {"name":"Name Here", "type":"Type Here", "length": "Length Here"}

Notes: All boats are set to at_sea as they are created

GET /boats/{boatID}

Details: This call is used to get all the information about a specific boat based on the supplied {boatID}.

GET /boats

Details: This call is used to get a list of all the boats and the information about each boat.

PATCH /boats/{boatID}

Details: This call is used to update boat information. This is also where a boat will leave a slip when this condition is meet. These condition is being in a slip.

Input: {"name":"Name Here", "type":"Type Here", "length": "Length Here"}

Notes: To ove a ship out of a slip into the sea see the optional input below

Optional Input: {"at_sea": true}

DELETE /boats/{boatID}

Details: This call will delete a specific boat based on the supplied {boatID}

DELETE /boats
Details: This call will delete all of the boats in the database.

SLIP URL's

POST /slips
Details: This call is used to create a slip. The only input for the json body is number.
Input: {"number": integer}

GET /slips
Details: This call is used to get all the information about a specific slip based on the supplied {slipID}.

GET /slips/{slipID}
Details: This call is used to get a list of all the boats and the information about each boat.

PATCH /slips/{slipID}
Details: This call is used to update a slip. The only option is to modify the slip number.
Input: {"number": integer}

DELETE /slips/{slipID}
Details: This call will delete a specific slip based on the supplied {slipID}

DELETE /slips
Details: This call will delete all of the slips in the database.

DOCK A BOAT URL

PUT /slips/{slipID}/dock
Details: This call is used to place a boat into a slip.
Input: {"current_boat":"{boatID}", "arrival_date":"Date Here"}

Extra Credit:

This application will also automatically keep track of the slips departure history. This is done at two times. Both times will require that a boat to be in a slip. First, when a boat is called to be deleted. Second, when a boat is moving from slip to at sea. This is done from the **PATCH /boats/{boatID}** call. The json body will need to have {at_sea = true}.

Both of these instances will place the boat name and the arrival date into the slips departure_history.