

Class: CS-496
Term: Summer 2017
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Assignment: REST-Planning-and-Implementation

Working app:

<https://the-marina.appspot.com>

Postman tests:

https://media.oregonstate.edu/media/t/0_xjwdeg7v

URLS:

POST /boats

Action: Creates a new boat and returns it.

Body: {"name": "str", "length": int, "type": "str"}

Errors: Will catch the error if the body is wrong and display the expected format.

GET /boats

Action: Returns a list of all the boats

GET /boats/{boat_id}

Action: Returns the boat with the provided id.

Errors: Will catch the error if the boat with the provided id does not exist.

DELETE /boats/{boat_id}

Action: If the boat with the provided id is in a slip, then the slip will be set to empty and the boat will be deleted, else, the boat will just simply be deleted.

Errors: Will catch error if the boat with the provided id does not exist

PATCH /boats/{boat_id}

Action: Updates a single attribute of the boat with the provided id.

Body: {"name": "str"} or {"length": int} or {"type": "str"}

Errors: Will catch the error if the body is wrong and display the expected format. Will catch the error if the boat with the provided id does not exist.

PUT /boats

Action: Updates three attributes of the boat with the provided id.

Body: {"name": "str", "length": int, "type": "str"}

Errors: Will catch the error if the body is wrong and display the expected format. Will catch the error if the boat with the provided id does not exist.

POST /slips

Action: Creates a new slip and returns it.

Body: {"number": int}

Errors: Will catch the error if the body is wrong and display the expected format. Will catch the error if the selected slip number is already in use.

GET /slips

Action: Returns a list of all the slips

GET /slips/{slip_id}

Action: Returns the slip with the provided id.

Errors: Will catch the error if the slip with the provided id does not exist.

DELETE /slips/{slip_id}

Action: If there is a boat in the slip with the provided id, then the boat will be sent out to sea and the slip will be deleted, else, the slip will simply be deleted.

Errors: Will catch error if the slip with the provided id does not exist.

PATCH /slips/{slip_id}

Action: Updates a single attribute of the slip with the provided id.

Body: {"number": int}

Errors: Will catch the error if the body is wrong and display the expected format. Will catch the error if the slip with the provided id does not exist. Will catch the error if the selected slip number is already in use.

GET /slips/{slip_id}/boat

Action: Returns the boat in the slip with the provided id.

Errors: Will catch the error if the slip with the provided id does not exist. Will catch the error if the slip with the provided id does not have a boat in it.

PUT /slips/{slip_id}/boat

Action: Puts the boat with the provided id in the slip with the provided id.

Body: {"current_boat": "boat_id", "arrival_date": "YYYY-MM-DD"}

Errors: Will catch the error if the body is wrong and display the expected format. Will catch the error if the boat with the provided id does not exist. Will catch the error if the slip with the provided id does not exist. Will catch the error if the slip with the provided id is already occupied by another boat. Will catch the error if the boat with the provided id is already in a slip.

DELETE /slips/{slip_id}/boat

Action: Sends the boat in the slip with the provided id out to sea.

Errors: Will catch error if the slip with the provided id does not exist. Will catch error if the slip with the provided id does not have a boat in it.