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10/18/2021

Assignment #3

Build a Restful API

Link: https://hw3-rajamong.wl.r.appspot.com/

Modify a Boat:

The Postman test created in order to test whether or not you were able to edit a boat utilizes the status code 200 first to determine that the _____. Next the Postman tests check whether all of the modifications were made correctly through comparing each edited element. If all of the changed elements were correctly modified using the PATCH method, the test will return successfully.

The selected method for modifying the boat, was the PATCH method. This method is generally utilized for partial updates, and it contains a set of instructions in order to correctly update the resource which is being patched. I believe that the PATCH method was the appropriate method for the functionality because it is used for making modifications. Since every property that was previously created when making the boat was modified within the operation, the PUT method could have also been utilized. This is because the PUT method can replace data, and as long as all of the properties are being modified, the method will not remove properties that previously existed.

The URL pattern follows RESTful principles because it begins with the general server URL, and then contains "boats" which represents a collection of boats, and then the "boat_id" which represents the identification number for the boat.

A Boat Arrives at a Slip:

The Postman test created in order to test whether or not the boat arrives at the slip is a simple status code. If the Postman test returns a 204, then the boat successfully arrived at the slip, if it returns any other code then 204, then the boat did not successfully arrive at the slip.

The selected method for determining whether or not the boat arrived at the slip, is a PUT method. The PUT method is generally used to create or replace data. In order to utilize this method, you must know the resource location where you are wanting to put the resource which you are sending. Although this method does successfully accomplish the task which is at

hand, it is not the most optimal method since it is not making any modifications or edits. This operation could have been accomplished using the GET method, which is a method that simply gets information without making any modifications to the properties.

The URL pattern follows RESTful principles because it begins with the general server URL, and then contains "slips" which represents a collection of slips, and then the "slip_id" which represents the identification number for the slip, and then the "boat_id" which represents the identification number for the boat.

A Boat Departs from a Slip:

The Postman test created in order to test whether or not the boat departs from the slip is a simple status code. If the Postman test returns a 204, then the boat successfully departed from the slip, if it returns any other code then 204, then the boat did not successfully depart from the slip.

The selected method for determining whether or not the boat departed from the slip, is a DELETE method. The DELETE method is an idempotent method that deletes whatever id is specified in the request. Since the purpose of this operation is to essentially remove the specified boat from the specified slip, the DELETE method is the most ideal as well as easiest method.

The URL pattern follows RESTful principles because it begins with the general server URL, and then contains "slips" which represents a collection of slips, and then the "slip_id" which represents the identification number for the slip, and then the "boat_id" which represents the identification number for the boat.