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Marina Project/ Assignment
URL: https://assignment-2-restful-api.uc.r.appspot.com/

Endpoint 1: Modify a boat - PATCH /boats/:boat_id

The PATCH method is appropriate for modifying an existing resource, such as a boat. The URL pattern /boats/:boat_id follows RESTful principles by including the resource identifier (:boat_id) as part of the URL. This allows clients to easily identify the resource they want to modify.One possible improvement could be to include a more descriptive resource name in the URL, such as /boats/boat_id/:boat_id, which would make it clearer that the resource being modified is a boat.

Endpoint 2: A boat arrives at a slip - PUT /slips/:slip_id/:boat_id

The PUT method is appropriate for creating or updating a resource, such as a boat arriving at a slip. The URL pattern /slips/:slip_id/:boat_id follows RESTful principles by including both the slip and boat identifiers as part of the URL. This allows clients to easily identify the relationship between the two resources. One possible improvement could be to use a more descriptive URL pattern, such as /slips/:slip_id/boats/:boat_id, which would make it clearer that the operation involves a boat being added to a slip.

Endpoint 3: A boat departs from a slip - DELETE /slips/:slip_id/:boat_id

The DELETE method is appropriate for deleting a resource, such as a boat departing from a slip.The URL pattern /slips/:slip_id/:boat_id follows RESTful principles by including both the slip and boat identifiers as part of the URL. This allows clients to easily identify the relationship between the two resources. One possible improvement could be to use a more descriptive URL pattern, such as /slips/:slip_id/boats/:boat_id, which would make it clearer that the operation involves a boat being removed from a slip. Overall, these endpoints are designed reasonably well and follow RESTful principles. The choice of HTTP methods is appropriate for the functionality being implemented, and the URL patterns make it easy for clients to identify the resources being accessed. However, there is always room for improvement in terms of making the URLs more descriptive and easier to understand.