Link to marina REST service:

https://a3-build-a-restful-api-403001.uw.r.appspot.com

Critique of endpoints:

Modify a boat (PATCH /boats/:boat_id)

I believe that PUT would have been a more appropriate method for modify a boat. The API specifications for modify a boat require that all boat attributes be provided for the modification request to be successful. PUT is typically used when replacing or updating all the content of a resource and typically requires all attributes to be specified during the request. Like PUT, PATCH can also be used to modify all the content of a resource, but PATCH can also be used for partial updates, additions, and removals. PATCH does not require that the body of the request specify all resource attributes; typically, the body of a PATCH requests only specifies the attribute or attributes that will be modified.

The URL conforms to a RESTful /collection/item_in_collection pattern, and I do not believe that it need to be adjusted.

A boat arrives at a slip (PUT /slips/:slip_id/:boat_id)

PUT does not seem appropriate because it is not typically used for partial attribute modifications, and the current URL does not seem appropriate because it implies that boat_id is a sub-resource of slip_id and that a boat will be modified, when in fact a slip will be modified. I believe that PATCH would be a more appropriate method for this action, since only one attribute (current_boat) in a multi-attribute resource (slip) is being modified when a boat docks. This would require an adjustment in the URL to /slips/:slip_id, in order adequately reflect the resource that is being modified.

A boat departs from a slip (DELETE /slips/:slip_id/:boat_id)

DELETE does not seem appropriate because DELETE typically suggests that a resource, not an attribute of a resource is being deleted, and the current URL does not seem appropriate because it implies that boat_id is a sub-resource of slip_id and that a boat will be modified, when in fact a slip will be modified. I believe that PATCH would be a more appropriate method for this action, since only one attribute (current_boat) in a multi-attribute resource (slip) is being modified when a boat docks. This would require an adjustment in the URL to /slips/:slip_id, in order adequately reflect the resource that is being modified.