

Vessel API

The Vessel API provides endpoints to manage vessels.

Endpoints

1. Home

URL: /

Method: GET

Description: Returns a message indicating that the application is running.

2. Get or Create Vessel

URL: /vessels

Methods: GET, POST

Description:

GET: Fetches all vessels and returns a JSON response containing a list of vessels.

POST: Creates a new vessel using the provided request body JSON data. Returns a success response if the vessel is created successfully.

Request Body (POST):

Content-Type: application/json or application/data or application/form

Required Parameters:

name (string): The name of the vessel.

owner_id (string): The ID of the vessel owner.

naccs_code (string): The NACCS code of the vessel.

Response:

GET: Returns a JSON response containing a list of vessels.

POST: Returns a success response if the vessel is created successfully.

Otherwise, returns an error response.

3. Get or Update Vessel

URL: /vessels/<string:vessel_naccs_code>

Methods: GET, PUT

Description:

GET: Fetches the vessel with the specified NACCS code and returns a JSON response containing vessel details.

PUT: Updates the vessel with the specified NACCS code using the provided request body JSON data. Returns a success response if the vessel is updated successfully.

Request Body (PUT):

Content-Type: application/json or application/data or application/form

Required Parameter:

naccs_code (string): The updated NACCS code of the vessel.

Optional Parameters:

name (string): The updated name of the vessel.

owner_id (string): The updated ID of the vessel owner.

Response:

GET: Returns a JSON response containing the details of the vessel with the specified NACCS code.

PUT: Returns a success response if the vessel is updated successfully. Otherwise, returns an error response.

Voyage API

The Voyage API provides endpoints to manage voyages.

Endpoints

1. Get or Create Voyages

URL: /voyages

Methods: GET, POST

Description:

GET: Fetches all voyages.

Response: Returns a JSON array of voyage objects, where each object represents a voyage.

POST: Creates a new voyage.

Content-Type: application/json or application/data or application/form

Request Body: Expects a JSON object with the following properties:

start_time (string, required): The start time of the voyage in ISO 8601 format.

end_time (string, required): The end time of the voyage in ISO 8601 format.

start_location (string, required): The start location of the voyage.

end_location (string, required): The end location of the voyage.

vessel_naccs_code (string, required): The NACCS code of the vessel associated with the voyage.

Response: Returns a success message if the voyage is created successfully.

2. Get Voyages by Vessel NACCS Code

URL: /vessels/<string:naccs_code>/voyages

Method: GET

Description: Fetches all voyages associated with a vessel specified by the NACCS code.

Response: Returns a JSON array of voyage objects, where each object represents a voyage. If no voyages are found for the specified vessel, a not found message is returned.

3. Update Voyage

URL: /voyages/<string:voyage_id>

Method: GET, PUT

Description:

GET: Fetches a voyage with the specified ID.

Response: Returns a JSON object representing the voyage. If the voyage ID doesn't exist, a not found message is returned.

PUT: Updates a voyage with the specified ID.

Content-Type: application/json or application/data or application/form

Request Body: Expects a JSON object with the following properties:

voyage_id (string, required): The ID of the voyage to be updated (should match the ID in the URL).

start_time (string, optional): The new start time of the voyage in ISO 8601 format.

end_time (string, optional): The new end time of the voyage in ISO 8601 format.

start_location (string, optional): The new start location of the voyage.

end_location (string, optional): The new end location of the voyage.

Response: Returns a success message if the voyage is updated successfully. If the voyage ID doesn't exist, a not found message is returned. If the provided time range is invalid, an error message is returned.