

Ship Cargo Assignment Cloud App

API Spec

Table of Contents

Data Model and Entity Relationships.....	2
View/Get all Users (Not Protected).....	4
Create a Boat (Protected).....	6
View/Get a Boat (Protected).....	9
View/Get all Boat (Protected).....	12
Delete a Boat (Protected).....	15
Edit a Boat (1 Attribute Only) (Protected).....	17
Edit a Boat (All Attributes) (Protected).....	21
Create a Load (Not Protected).....	25
View/Get a Load (Not Protected).....	28
View/Get all Load (Not Protected).....	30
Delete a Load (Not Protected).....	33
Edit a Load (1 Attribute Only) (Not Protected).....	35
Edit a Load (All Attributes) (Not Protected).....	38
Assign a Load to a Boat (Protected).....	42
Remove a Load from a Boat (Protected).....	45

Data Model and Entity Relationships

User

Property	Data Type	Value Restrictions	Notes
id	Integer	N/A	ID of a boat. Auto-generated by Datastore.
user_id	String	N/A	JWT sub of a user. Auto-generated by Google Oauth.

Boats

Property	Data Type	Value Restrictions	Notes
id	Integer	N/A	ID of a boat. Auto-generated by Datastore.
name	String	N/A	Name of a boat.
type	String	N/A	Type of a boat (e.g. Sailboat, Catamaran, etc.).
length	Integer	N/A	Length of a boat.
owner	String	N/A	ID of the user who owns this boat.
loads	Array/List		Array of Load entity objects containing a Load's ID, item name, volume, and creation_date.

Loads

Property	Data Type	Value Restrictions	Notes
id	Integer	N/A	ID of a load. Auto-generated by Datastore.

volume	Integer	N/A	Volume of a load.
carrier	JSON	N/A	JSON object containing the assigned Boat's ID and name.
item	String	N/A	Name of the load's item. Ex. "LEGO Blocks".
creation_date	String	N/A	Date the load was created. Formatted as MM/DD/YYYY.

Data Model Notes

- No input validation used for this assignment aside from having a required amount of attributes and attributes have to be named a certain way for certain API endpoints

Entity Relationship

- User → Boat: 1-to-Many
- Boat → Load: 1-to-Many
- Load → Boat: 1-to-1

Entity Relationship Notes

- User entities exist independently with no attribute showing its relation to other entities
 - unique identifier is the attribute "user_id" which uses the JWT token's "sub" attribute
 - User entities are created during OAuth login
- Boat entities will have an attribute corresponding to its owner and an attribute corresponding to any loads assigned to it
 - User identifier: User's "user_id" attributes
 - Load identifier: list of Load objects containing a load's ID, item name, volume, creation_date
 - Boat entities are created by API calls
- Load entities will have an attribute corresponding to the boat it is assign to (a boat object)
 - Boat identifier: assigned Boat's object containing a boat's ID and name
 - Load entities are created by API calls

When making calls involving the relationship between a User and Boat entity, a JWT access token will be required. This token is supplied to the API endpoint via a header attribute called "Authorization" with the value of "Bearer JWT_Token_String".

This requirement is not needed in cases of "side effects" such as when a Load entity is deleted and consequently deleted from a Boat's "loads" attribute. All are further specified for each API endpoint.

View/Get all Users (Not Protected)

Allows you to retrieve all users.

GET /users

Request

Path Parameters

None

Request Body

None

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	
Failure	406 Not Acceptable	Improper mimetype in Accept header

Success

Status: 200 OK

```
{
  "users": [{
    "id": 5094868900642816,
    "user_id": "117877706279049365351",
    "user_name": "Michael Hoang"
  }]
}
```

Failure

Failure: 406 Not Acceptable

```
{
  "Error": "Improper mimetype in Accept header"
}
```

Create a Boat (Protected)

Allows you to create a new boat.

POST /boats

Request

Path Parameters

None

Request Body

Required

Request Body Format

JSON

Request JSON Attributes

Name	Description	Required?
name	Name of the boat	Yes
type	Type of the boat (e.g. Sailboat)	Yes
length	Length of a boat	Yes

Request Example

```
{
  "name": "Sea Witch",
  "type": "Catamaran",
  "length": 28
}
```

Additional Request Header Keys

Name	Description	Required?	Value Format
Authorization	Species the JWT Bearer token	Yes	Bearer ex_token_str Ex: Bearer 123token123

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	201 Created	
Failure	400 Bad Request	If your request is missing any of the 3 required attributes, a 400 status code will be returned.
Failure	401 Unauthorized	No Authorization in request header and/or JWT is invalid
Failure	406 Not Acceptable	Improper mimetype in Accept header
Failure	415 Unsupported	Unsupported data format

Success

Success: 201 Created

```
{
  "id": 6240409692930048,
  "length": 28,
  "loads": [],
  "name": "Sea Witch",
  "owner": "117877706279049365351",
  "self": "https://appspot.com/boats/6240409692930048",
  "type": "Catamaran"
}
```

Failure

Failure: 400 Bad Request

```
{
  "Error": "The request object is missing at least one of the required attributes"
}
```

Failure: 401 Unauthorized

```
{
  "Error": "No Authorization in request header and/or JWT is invalid"
}
```

Failure: 406 Not Acceptable

```
{  
  "Error": "Improper mimetype in Accept header"  
}
```

Failure: 415 Unsupported Media Type

```
{  
  "Error": "Unsupported data format"  
}
```

View/Get a Boat (Protected)

Allows you to retrieve a boat.

GET /boats/<boat_id>

Request

Path Parameters

Name	Description
boat_id	ID of the boat

Request Body

None

Additional Request Header Keys

Name	Description	Required?	Value Format
Authorization	Species the JWT Bearer token	Yes	Bearer ex_token_str Ex: Bearer 123token123

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	
Failure	401 Unauthorized	No Authorization in request header and/or JWT is invalid
Failure	403 Forbidden	Boat does not belong to this owner
Failure	404 Not Found	No boat with this boat_id exists
Failure	406 Not Acceptable	Improper mimetype in Accept header

Success

Status: 200 OK

```
{
  "id": 5944267134468096,
  "length": 20,
  "loads": [{
    "creation_date": "07/04/1776",
    "id": 5381317181046784,
    "item": "Wooden Staff",
    "self": "https://appspot.com/loads/5381317181046784",
    "volume": 55
  }],
  "name": "Lucia",
  "owner": "117877706279049365351",
  "self": "https://appspot.com/boats/5944267134468096",
  "type": "Catamaran"
}
```

Failure

Failure: 401 Unauthorized

```
{
  "Error": "No Authorization in request header and/or JWT is invalid"
}
```

Failure: 403 Forbidden

```
{  
  "Error": "Boat does not belong to this owner"  
}
```

Failure: 404 Not Found

```
{  
  "Error": "No boat with this boat_id exists"  
}
```

Failure: 406 Not Acceptable

```
{  
  "Error": "Improper mimetype in Accept header"  
}
```

View/Get all Boat (Protected)

Allows you to retrieve all boat (up to 5 at a time).

GET /boats

Request

Path Parameters

None

Request Body

None

Additional Request Header Keys

Name	Description	Required?	Value Format
Authorization	Species the JWT Bearer token	Yes	Bearer ex_token_str Ex: Bearer 123token123
limit	Number of boat objects to return. Maximum limit is 5 (default is 5)	No	5
offset	Number of boat objects for backend to skip first (default is 0)	No	0

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	
Failure	401 Unauthorized	No Authorization in request header and/or JWT is invalid
Failure	406 Not Acceptable	Improper mimetype in Accept header

Success

Status: 200 OK

```
{
  "boats": [{
    "id": 4760591327559680,
    "length": 28,
    "loads": [],
    "name": "Sea Witch2",
    "owner": "117877706279049365351",
    "self": "https://appspot.com/boats/4760591327559680",
    "type": "Catamaran"
  }, {
    "id": 4761818480246784,
    "length": 28,
    "loads": [],
    "name": "Sea Witch1",
    "owner": "117877706279049365351",
    "self": "https://appspot.com/boats/4761818480246784",
    "type": "Catamaran"
  }, {
    "id": 4827211370594304,
    "length": 28,
    "loads": [],
    "name": "Sea Witch6",
    "owner": "117877706279049365351",
    "self": "https://appspot.com/boats/4827211370594304",
    "type": "Catamaran"
  }, {
    "id": 4837131872632832,
    "length": 28,
    "loads": [],
    "name": "Sea Witch2",
    "owner": "117877706279049365351",
    "self": "https://appspot.com/boats/4837131872632832",
    "type": "Catamaran"
  }, {
    "id": 4915909558796288,
```

```
    "length": 28,  
    "loads": [],  
    "name": "Sea Witch3",  
    "owner": "117877706279049365351",  
    "self": "https://appspot.com/boats/4915909558796288",  
    "type": "Catamaran"  
  }],  
  "next_url": "https://appspot.com/boats?limit=5&offset=5",  
  "total_items": 5  
}
```

Failure

Failure: 401 Unauthorized

```
{  
  "Error": "No Authorization in request header and/or JWT is invalid"  
}
```

Failure: 406 Not Acceptable

```
{  
  "Error": "Improper mimetype in Accept header"  
}
```

Delete a Boat (Protected)

Allows you to delete boat.

```
DELETE /boats/<boat_id>
```

Request

Path Parameters

Name	Description
boat_id	ID of the boat

Request Body

None

Request Body Format

None

Additional Request Header Keys

Name	Description	Required?	Value Format
Authorization	Species the JWT Bearer token	Yes	Bearer ex_token_str Ex: Bearer 123token123

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	204 No Content	
Failure	401 Unauthorized	No authorization in request header and/or JWT is invalid
Failure	403 Forbidden	Boat does not belong to this owner
Failure	404 Not Found	No boat with this boat_id exists

Success

Success: 204 No Content

Failure

Failure: 401 Unauthorized

```
{
  "Error": "No Authorization in request header and/or JWT is invalid"
}
```

Failure: 403 Forbidden

```
{
  "Error": "Boat does not belong to this owner"
}
```

Failure: 404 Not Found

```
{
  "Error": "No boat with this boat_id exists"
}
```


Edit a Boat (1 Attribute Only) (Protected)

Allows you to edit **ONLY** one attribute of a boat.

```
PATCH /boats/<boat_id>
```

Request

Path Parameters

Name	Description
boat_id	ID of the boat

Request Body

Required

Request MIME Type

application/json

Request Body Format

JSON

Request JSON Attributes

Choose only **ONE** of the follow attributes for the JSON request.

Name	Description	Required?
name	Name of the boat	Yes
type	Type of the boat (e.g. Sailboat)	Yes
length	Length of a boat	Yes

Request Example

```
{
  "name": "Sea Witch",
}
```

Additional Request Header Keys

Name	Description	Required?	Value Format
Authorization	Species the JWT Bearer token	Yes	Bearer ex_token_str Ex: Bearer 123token123

Request Notes

- Request JSON must have only one of the following attributes: name (string), type (string), or length (integer)
 - having more than one attribute or having extraneous attributes (e.g. color) will cause the system to return code 400

Response

Response MIME Type

application/json

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	204 No Content	
Failure	400 Bad Request	The request object is missing at least one of the required attributes Too many/few attributes to edit
Failure	401 Unauthorized	No Authorization in request header and/or JWT is invalid
Failure	403 Forbidden	Boat does not belong to this owner
Failure	404 Not Found	No boat with this boat_id exists
Failure	406 Not Acceptable	Improper mimetype in Accept header
Failure	415 Unsupported Media Type	Unsupported data format

Success

Success: 204 No Content

Failure

Failure: 400 Bad Request

```
{
  "Error": "The request object is missing at least one of the required attributes"
}
```

Failure: 400 Bad Request

```
{
  "Error": "Too many/few attributes to edit"
}
```

Failure: 401 Unauthorized

```
{
  "Error": "No Authorization in request header and/or JWT is invalid"
}
```

Failure: 403 Forbidden

```
{
  "Error": "Boat does not belong to this owner"
}
```

Failure: 404 Not Found

```
{
  "Error": "No boat with this boat_id exists"
}
```

Failure: 406 Not Acceptable

```
{
  "Error": "Improper mimetype in Accept header"
}
```

Failure: 415 Unsupported Media Type

```
{
  "Error": "Unsupported data format"
}
```

Edit a Boat (All Attributes) (Protected)

Allows you to edit **ALL** attributes of a boat.

```
PUT /boats/<boat_id>
```

Request

Path Parameters

Name	Description
boat_id	ID of the boat

Request Body

Required

Request MIME Type

application/json

Request Body Format

JSON

Request JSON Attributes

All attributes are required in the JSON request.

Name	Description	Required?
name	Name of the boat	Yes
type	Type of the boat (e.g. Sailboat)	Yes
length	Length of a boat	Yes

Request Example

```
{
  "name": "Sea Witch",
  "type": "Catamaran",
  "length": 28
}
```

Additional Request Header Keys

Name	Description	Required?	Value Format
Authorization	Species the JWT Bearer token	Yes	Bearer ex_token_str

			Ex: Bearer 123token123
--	--	--	---------------------------

Request Notes

- Request JSON must have 3 attributes: name (string), type (string), and length (integer)
 - if any of these 3 attributes are missing or extraneous attributes (e.g. color) are added, system will return code 400

Response

Response MIME Type

application/json

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	303 See Other	
Failure	400 Bad Request	The request object is missing at least one of the required attributes Too many/few attributes to edit
Failure	401 Unauthorized	No Authorization in request header and/or JWT is invalid
Failure	403 Forbidden	Boat does not belong to this owner
Failure	404 Not Found	No boat with this boat_id exists
Failure	406 Not Acceptable	Improper mimetype in Accept header
Failure	415 Unsupported Media Type	Unsupported data format

Success

Success: 303 See Other

```
{
  "carrier": null,
  "creation_date": "07/04/1776",
  "id": 5190813503979520,
  "item": "Wooden Staff",
  "self": "https://appspot.com/loads/5190813503979520",
  "volume": 55
}
```

Failure

Failure: 400 Bad Request

```
{
  "Error": "The request object is missing at least one of the required attributes"
}
```

```
}
```

Failure: 400 Bad Request

```
{  
  "Error": "Too many/few attributes to edit"  
}
```

Failure: 401 Unauthorized

```
{  
  "Error": "No Authorization in request header and/or JWT is invalid"  
}
```

Failure: 403 Forbidden

```
{  
  "Error": "Boat does not belong to this owner"  
}
```

Failure: 404 Not Found

```
{  
  "Error": "No boat with this boat_id exists"  
}
```

Failure: 406 Not Acceptable

```
{  
  "Error": "Improper mimetype in Accept header"  
}
```

Failure: 415 Unsupported Media Type

```
{  
  "Error": "Unsupported data format"  
}
```


Create a Load (Not Protected)

Allows you to create a new load.

POST /loads

Request

Path Parameters

None

Request Body

Required

Request Body Format

JSON

Request JSON Attributes

Name	Description	Required?
volume	Volume of a load.	Yes
item	Name of the load	Yes
creation_date	Date load was created (formatted as MM/DD/YYYY)	Yes

Request Example

```
{
  "volume": 5,
  "item": "LEGO Blocks",
  "creation_date": "10/18/2021"
}
```

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	201 Created	
Failure	400 Bad Request	If your request is missing any of the 3 required attributes, a 400 status code will be returned.
Failure	406 Not Acceptable	Improper mimetype in Accept header
Failure	415 Unsupported	Unsupported data format

Success

Success: 201 Created

```
{
  "carrier": null,
  "creation_date": "10/18/2021",
  "id": 5963031779475456,
  "item": "LEGO Blocks",
  "self": "https://appspot.com/loads/5963031779475456",
  "volume": 5
}
```

Failure

Failure: 400 Bad Request

```
{
  "Error": "The request object is missing at least one of the required attributes"
}
```

Failure: 406 Not Acceptable

```
{
  "Error": "Improper mimetype in Accept header"
}
```

Failure: 415 Unsupported Media Type

```
{
```

```
"Error": "Unsupported data format"  
}
```

View/Get a Load (Not Protected)

Allows you to retrieve a load.

```
GET /loads/<load_id>
```

Request

Path Parameters

Name	Description
load_id	ID of the load

Request Body

None

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	
Failure	404 Not Found	No boat with this boat_id exists.
Failure	406 Not Acceptable	Improper mimetype in Accept header

Success

Status: 200 OK

```
{
  "carrier": {
    "id": 5944267134468096,
    "name": "Lucia",
    "self": "https://appspot.com/boats/5944267134468096"
  },
  "creation_date": "07/04/1776",
  "id": 5381317181046784,
  "item": "Wooden Staff",
  "self": "https://appspot.com/loads/5381317181046784",
  "volume": 55
}
```

Failure

Failure: 404 Not Found

```
{
  "Error": "No load with this load_id exists"
}
```

Failure: 406 Not Acceptable

```
{
  "Error": "Improper mimetype in Accept header"
}
```

View/Get all Load (Not Protected)

Allows you to retrieve all loads.

GET /loads

Request

Path Parameters

None

Request Body

None

Additional Request Header Keys

Optional (for pagination)

Name	Description	Required?
limit	Number of boat objects to return. Maximum limit is 5 (default is 5)	No
offset	Number of boat objects for backend to skip first (default is 0)	No

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	
Failure	406 Not Acceptable	Improper mimetype in Accept header

Success

Success: 200 OK

```
{
  "loads": [{
    "carrier": null,
    "creation_date": "10/18/2021",
    "id": 4682363330101248,
    "item": "LEGO Blocks3",
    "self": "https://appspot.com/loads/4682363330101248",
    "volume": 5
  }, {
    "carrier": null,
    "creation_date": "10/18/2021",
    "id": 4753547346313216,
    "item": "LEGO Blocks6",
    "self": "https://appspot.com/loads/4753547346313216",
    "volume": 5
  }, {
    "carrier": null,
    "creation_date": "10/18/2021",
    "id": 5808263236943872,
    "item": "LEGO Blocks5",
    "self": "https://appspot.com/loads/5808263236943872",
    "volume": 5
  }, {
    "carrier": null,
    "creation_date": "10/18/2021",
    "id": 5963031779475456,
    "item": "LEGO Blocks1",
    "self": "https://appspot.com/loads/5963031779475456",
    "volume": 5
  }, {
    "carrier": null,
    "creation_date": "10/18/2021",
    "id": 6511950678720512,
    "item": "LEGO Blocks2",
    "self": "https://appspot.com/loads/6511950678720512",
    "volume": 5
  }
],
}
```

```
"next_url": "https://appspot.com/loads?limit=5&offset=5",  
"total_items": 5  
}
```

Failure

Failure: 406 Not Acceptable

```
{  
  "Error": "Improper mimetype in Accept header"  
}
```


Delete a Load (Not Protected)

Allows you to delete a load.

```
DELETE /loads/<load_id>
```

Request

Path Parameters

Name	Description
load_id	ID of the load

Request Body

None

Request Body Format

None

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	204 No Content	
Failure	404 Not Found	No boat with this boat_id exists
Failure	406 Not Acceptable	Improper mimetype in Accept header

Success

Success: 204 No Content

Failure

Failure: 404 Not Found
<pre>{ "Error": "No load with this load_id exists" }</pre>

Failure: 406 Not Acceptable
<pre>{ "Error": "Improper mimetype in Accept header" }</pre>

Edit a Load (1 Attribute Only) (Not Protected)

Allows you to edit **ONLY** one attribute of a load.

```
PATCH /loads/<load_id>
```

Request

Path Parameters

Name	Description
load_id	ID of the load

Request Body

Required

Request MIME Type

application/json

Request Body Format

JSON

Request JSON Attributes

Choose only **ONE** of the follow attributes for the JSON request.

Name	Description	Required?
volume	Volume of a load.	Yes
item	Name of the load	Yes
creation_date	Date load was created (formatted as MM/DD/YYYY)	Yes

Request Example

```
{  
  "volume": 6  
}
```

Request Notes

- Request JSON must have only one of the following attributes: volume (integer), item (string), and creation_date (integer)
 - having more than one attribute or having extraneous attributes (e.g. color) will cause the system to return code 400

Response

Response MIME Type

application/json

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	204 No Content	
Failure	400 Bad Request	The request object is missing at least one of the required attributes Too many/few attributes to edit
Failure	404 Not Found	No load with this load_id exists
Failure	406 Not Acceptable	Improper mimetype in Accept header
Failure	415 Unsupported Media Type	Unsupported data format

Success

Success: 204 No Content

Failure

Failure: 400 Bad Request

```
{
  "Error": "The request object is missing at least one of the required attributes"
}
```

Failure: 400 Bad Request

```
{
  "Error": "Too many/few attributes to edit"
}
```

Failure: 404 Not Found

```
{
  "Error": "No load with this load_id exists"
}
```

```
}
```

Failure: 406 Not Acceptable

```
{  
  "Error": "Improper mimetype in Accept header"  
}
```

Edit a Load (All Attributes) (Not Protected)

Allows you to edit **ALL** attributes of a load.

PUT /loads/<load_id>

Request

Path Parameters

Name	Description
load_id	ID of the load

Request Body

Required

Request MIME Type

application/json

Request Body Format

JSON

Request JSON Attributes

All attributes are required in the JSON request.

Name	Description	Required?
volume	Volume of a load.	Yes
item	Name of the load	Yes
creation_date	Date load was created (formatted as MM/DD/YYYY)	Yes

Request Example

```
{
  "volume": 5,
  "item": "LEGO Blocks",
  "creation_date": "10/18/2021"
}
```

Request Notes

- Request JSON must have 3 attributes: volume (integer), item (string), and creation_date (integer)

- if any of these 3 attributes are missing or extraneous attributes (e.g. color) are added, system will return code 400

Response

Response MIME Type

application/json

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	303 See Other	
Failure	400 Bad Request	The request object is missing at least one of the required attributes Too many/few attributes to edit
Failure	404 Not Found	No load with this load_id exists
Failure	406 Not Acceptable	Improper mimetype in Accept header
Failure	415 Unsupported Media Type	Unsupported data format

Success

Success: 303 See Other

```
{
  "carrier": null,
  "creation_date": "07/04/1776",
  "id": 5190813503979520,
  "item": "Wooden Staff",
  "self": "https://appspot.com/loads/5190813503979520",
  "volume": 55
}
```

Failure

Failure: 400 Bad Request

```
{
  "Error": "The request object is missing at least one of the required attributes"
}
```

Failure: 400 Bad Request


```
{  
  "Error": "Too many/few attributes to edit"  
}
```

Failure: 404 Not Found

```
{  
  "Error": "No load with this load_id exists"  
}
```

Failure: 406 Not Acceptable

```
{  
  "Error": "Improper mimetype in Accept header"  
}
```

Failure: 415 Unsupported Media Type

```
{  
  "Error": "Unsupported data format"  
}
```

Failure: 415 Unsupported Media Type

```
{  
  "Error": "Unsupported data format"  
}
```

Assign a Load to a Boat (Protected)

Allows you to assign a load to a boat and assign a carrier to a load.

PUT /boats/<boat_id>/loads/<load_id>

Request

Path Parameters

Name	Description
boat_id	ID of the boat
load_id	ID of the load

Request Body

None

Additional Request Header Keys

Name	Description	Required?	Value Format
Authorization	Species the JWT Bearer token	Yes	Bearer ex_token_str Ex: Bearer 123token123

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	204 No Content	
Failure	401 Unauthorized	No Authorization in request header and/or JWT is invalid
Failure	403 Forbidden	The load is already loaded on another boat Boat does not belong to this owner
Failure	404 Not Found	The specified boat and/or load does not exist

Success

Success: 204 No Content

Failure

Failure: 401 Unauthorized

```
{
  "Error": "No Authorization in request header and/or JWT is invalid"
}
```

Failure: 403 Forbidden

```
{
  "Error": "The load is already loaded on another boat"
}
```

Failure: 403 Forbidden

```
{
  "Error": "Boat does not belong to this owner"
}
```

Failure: 404 Not Found

```
{  
  "Error": "The specified boat and/or load does not exist"  
}
```

Remove a Load from a Boat (Protected)

Allows you to remove a load from a boat and remove a carrier from a load.

```
DELETE /boats/<boat_id>/loads/<load_id>
```

Request

Path Parameters

Name	Description
boat_id	ID of the boat
load_id	ID of the load

Request Body

None

Additional Request Header Keys

Name	Description	Required?	Value Format
Authorization	Species the JWT Bearer token	Yes	Bearer ex_token_str Ex: Bearer 123token123

Response

Response Body Format

JSON

Response Statuses

Outcome	Status Code	Notes
Success	204 No Content	
Failure	401 Unauthorized	No Authorization in request header and/or JWT is invalid
Failure	403 Forbidden	Boat does not belong to this owner
Failure	404 Not Found	No boat with this boat_id is loaded with the load with this load_id

Success

Success: 204 No Content

Failure

Failure: 401 Unauthorized

```
{
  "Error": "No Authorization in request header and/or JWT is invalid"
}
```

Failure: 403 Forbidden

```
{
  "Error": "Boat does not belong to this owner"
}
```

Failure: 404 Not Found

```
{
  "Error": "No boat with this boat_id is loaded with the load with this load_id"
}
```