Final Project

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CS 493

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Data Model

User

Property Name	Notes
unique id	Type: String Required: Yes. Valid: "Auth 342fd342f00" Description: Taken automatically from JWT.
nickname	Type: String. Required: Yes. Valid: "marcusz" Description: Taken automatically from JWT.
boats	Type: Object array. Required: Yes. Valid: [{"id":525342432, "self": "week4.e.y.appspot.com/boats/525342432"}] Description: Boats owned by the User.

Boat

Property Name	Notes
	Type: Integer.
id	Required: Yes.
lid	Valid: 543546234623
	Description: created automatically by datastore.
	Type: String
	Required: Yes.
name	Valid: "Aldo"
	Description: Only characters allowed.
	T. on a Chaire of
	Type: String
type	Required: Yes.
	Valid: "Cruiser"
	Description: Only characters allowed.
	Type: Integer.
length	Required: Yes.
	Valid: 25
	Description: Length of the boat in feet.
	Type: Object array.
loads	Required: Yes.
	Valid: [{"id":525342432, "self":"week4.e.y.appspot.com/loads/525342432"}]
	Description: Loads currently on the boat.
	Type: Object array.
owner	Required: Yes.
	Valid: "auth0 oisdfaoif142fe"
	Description: Unique id of owner.
	Type: String
self	Required: Yes.
SUII	Valid: "week4.e.y.appspot.com/boats/525342432"
	Description: Url to directly access specific boat.

Load

Property Name	Notes
id	Type: Integer. Required: Yes. Valid: 543546234623 Description: created automatically by datastore.
content	Type: String Required: Yes. Valid: "apples" Description: The type of item in the load.
destination	Type: String. Required: Yes. Valid: "US" Description: Location where load is heading.
volume	Type: Integer. Required: Yes. Valid: 22 Description: Amount of items in load.
carrier	Type: Object array. Required: Yes. Valid: [{"id":525342432, "name":"red", "self": "week4.e.y.appspot.com/boats/525342432"}] Description: Information of boat carrying load.
self	Type: String Required: Yes. Valid: "week4.e.y.appspot.com/loads/525342432" Description: Url to directly access specific load.

Description of Relationship between Non-User Entities

The two non-user entities, boats and loads, have a 1 to many relationship. A boat can have many loads on it, however a load can only ever be carried by one boat at any given time.

Description of how User entity is modeled

The unique identifier for a user is the "sub" attribute taken from a user's JWT. The user entity gets created and stored in the datastore the first time that they log and authenticate themselves with auth0, and when this happens, their unique identifier is created.

In order to use any of the boat endpoints, a user must be authenticated. The only thing that needs to be specified by the person making the request is a proper JWT as a bearer token.

This application maps a supplied JWT to a user's identifier by parsing the supplied JWT and comparing the "sub" attribute inside the JWT with the unique identifier that's stored in the datastore for the user.

The relationship between the user and the non-user entity is that the user can create, read, update, and delete boats. If a user creates a boat, then technically this boat belongs to them.

View All Users

Returns the list of users in the database.

GET /users

Request

Protected

No

Request Body

None

Response Satuses

Outcome	Status Code	Notes
Success	200 OK	

Success

Create a Boat

Allows you to create a new boat.

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Request

Protected

Yes

MIME Types Accepted

application/json

Request JSON Attributes

Name	Type	Description Required	
name	String	The name of the boat.	Yes
type String The type of the boat. E.g., Sailboat, Catamaran, etc.		Yes	
length	Integer	Length of the boat in feet.	Yes

Response

MIME Types Returned

application/json

Response Statuses

Outcome	Status Code	Notes
Success	201 Created	Boat created successfully.
Failure	400 Bad Request	If the request is missing any of the 3 required attributes.
		 If the name attribute contains anything other than characters.
		If the name attribute is greater than 20 characters long.
		 If the type attribute contains anything other than characters.
		If the type attribute is greater than 20 characters long.
		If the length attribute is anything other than an integer.
		If the length attribute is greater than 999.
Failure	401 Unauthorized	If the JWT is invalid.
Failure	403 Forbidden	If the name attribute already exists in the database.
Failure	405 Method Not Allowed	If the request method is either PUT, DELETE, or PATCH.
Failure	406 Not Acceptable	If the accepted MIME type is anything other than application/json.
Failure	415 Unsupported Media Type	 If the MIME type in the request is anything other than application/json.
		 If a POST is sent, but the request body isn't JSON.

Example Requests and Responses

201 Created

Request

```
{
  "name": "ichiban",

  "type": "yacht",

  "length": 5
}
```

Response

```
Body:
{
    "id": "545332131243",
    "length": 5,
    "loads": [],
    "name": "ichiban",
    "owner": "auth0|6546455rewfa",
    "self": https://hw4-gae-marcusz.ey.r.appspot.com/boats/545332131243,
    "type": "yacht"
}
```

400 Bad Request

Request 1 (missing attributes)

```
{
  "name": "ichiban",
  "type": "yacht"
}
```

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

Headers:
Content-Type: application/json
```

Request 2 (name contains something other than characters)

```
{
  "name": "ichiban2",
  "type": "yacht",
  "length:" 3
}
```

Response

```
Body:
{
"Error": "Object name must only contain characters"
}
Headers:
Content-Type: application/json
```

Request 3 (name is greater than 20 characters long)

```
Body:
{
"Error": "Object name can only be 20 characters long"
}
Headers:
Content-Type: application/json
```

Request 4 (type contains something other than characters)

```
{
  "name": "ichiban",
  "type": "yacht2",
  "length": 3
}
```

Response

```
Body:
{
"Error": "Object type must only contain characters"
}
Headers:
Content-Type: application/json
```

Request 5 (type is greater than 20 characters long)

```
Body:
{
"Error": "Object type can only be 20 characters long"
}
Headers:
Content-Type: application/json
```

Request 6 (length contains something other than integers)

```
{
  "name": "ichiban",
  "type": "yacht2",
  "length:" "3"
}
```

Response

```
Body:
{
"Error": "Object length must contain only integers"
}
Headers:
Content-Type: application/json
```

Request 7 (length is greater than 999)

```
{
   "name": "ichiban",
   "type": "yacht",
   "length": 3333
}
```

```
Body:
{
"Error": "Object length must be less than 1000"
}
Headers:
Content-Type: application/json
```

401 Unauthorized Request (Invalid JWT)

Response

```
Body:
{
    "Error": "JWT is invalid"
}
Headers:
Content-Type: application/json
```

403 Forbidden

Request (name already exists in database)

```
{
  "name": "ichiban",
  "type": "yacht",
  "length": 3
}
```

Response

```
Body:
{
"Error": "The requested name already exists"
}
Headers:
Content-Type: application/json
```

405 Method Not Allowed

Request (sending a PUT)

```
{
  "name": "ichiban",
  "type": "yacht"
}
```

Response

```
Body:
{
    "Error": "Method not allowed"
}
Headers:
Content-Type: application/json
Accept: POST
```

406 Not Acceptable

Request 1 (Accept type isn't application/json)

```
Body:
{
    "name": "ichiban",
    "type": "yacht",
    "length": 3
}
Headers:
Accept: text/html
```

```
Body:
{
"Error": "Accepted media type must be application/json"
}
Headers:
Content-Type: application/json
```

415 Unsupported Media Type

Request 1 (Client sends something other than application/json)

```
Body:
{
    "name": "ichiban",
    "type": "yacht",
    "length": 3
}
Headers:
Content-Type: text/html
```

Response

```
Body:
{
    "Error": "Media type must be application/json"
}
Headers:
Content-Type: application/json
```

Request 2 (POST is sent, but request body isn't JSON)

```
Body:
{
    "name": @!,
    "type": "yacht",
    "length": 3
}
Headers:
Accept: application/json
Content-Type: application/json
```

```
Body:
{
"Error": "Media type must be application/json"
}
Headers:
Content-Type: application/json
```

Delete a Boat

Allows you to delete a boat.

```
DELETE /boats/:boat_id
```

Request

Protected

Yes

Response Statuses

Outcome	Status Code	Notes
Success	204 No Content	Deleted Successfully
Failure	401 Unauthorized	JWT is invalid
Failure	403 Forbidden	JWT sub property doesn't match boat owner id.
Failure	404 Not Found	No boat with this boat_id exists

Example Requests and Responses

204 Success

Request (Empty Body)

Response (Empty Body)

403 Forbidden

Request (JWT sub property doesn't match the unique id of the boat's owner)

Response

```
Body:
{
"Error": "Not authorized"
}
```

404 Not Found

Request (Boat ID doesn't exist in database)

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

Edit Part of a Boat

Allows you to edit a subset of attributes of a boat.

PATCH	/boats/:boat	Ы	
PAILE	/ DUals/ .DUal	ILI.	

Request

Protected

Yes

MIME Types Accepted

application/json

Request JSON Attributes (Has to be at least one of the following)

Name	Туре	Description	Required?
name	String	The name of the boat.	Yes
type	String	The type of the boat. E.g., Sailboat, Catamaran, etc.	
length	Integer	Length of the boat in feet.	

Response

MIME Types Returned

application/json

Response Statuses

Outcome	Status Code	Notes
Success	303 See Other	Boat updated successfully. Location header set.
Failure	400 Bad Request	If the request body doesn't contain at least one of the required attributes.
		 If the name attribute contains anything other than characters.
		If the name attribute is greater than 20 characters long.
		 If the type attribute contains anything other than characters.
		If the type attribute is greater than 20 characters long.
		If the length attribute is anything other than an integer.
		If the length attribute is greater than 999.
Failure	401 Unauthorized	JWT is invalid.
Failure	403 Forbidden	If the name attribute already exists in the database. Or if JWT sub property doesn't match the boat owner's id.
Failure	404 Not Found	If the ID sent in the URL doesn't match any existing boat.
Failure	406 Not Acceptable	If the accepted MIME type is anything other than application/json.
Failure	415 Unsupported Media Type	 If the MIME type in the request is anything other than application/json.
		If a POST is sent, but the request body isn't JSON.

Example Requests and Responses

303 See Other

Request

```
{
   "name": "ichibanaroo"
}
```

Response

```
{
  "id": "545332131243",
  "length": 5,
  "loads": [],
  "name": "ichibanaroo",
  "owner": "auth0|6546455rewfa",
  "self": https://hw4-gae-marcusz.ey.r.appspot.com/boats/545332131243,
  "type": "yacht"
}
Headers:
Content-Type: application/json
Location: https://hw4-gae-marcusz.ey.r.appspot.com/boats/545332131243
```

400 Bad Request

Request 1 (missing all the required attributes)

```
{
  "color":"purple"
}
```

```
Body:
{
"Error": "The request object is missing at least one of the required attributes"
}
Headers:
Content-Type: application/json
```

404 Not Found Request 1 (Boat ID doesn't exist in database)

Response

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

Headers:
Content-Type: application/json
```

Note: All other error status codes have already been shown.

Edit All of a Boat

Allows you to edit all attributes of a boat.

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PUL	/DOals/.Doal	ıu

Request

Protected

Yes

MIME Types Accepted

application/json

Request JSON Attributes

Name	Туре	Description	Required?
name	String	The name of the boat.	Yes
type	String	The type of the boat. E.g., Sailboat, Catamaran, etc.	Yes
length	Integer	Length of the boat in feet.	Yes

Response

MIME Types Returned

application/json

Response Statuses

Status Code	Notes
303 See Other	Boat updated successfully. Location header set.
400 Bad Request	 If the request body doesn't contain all of the required attributes.
	 If the name attribute contains anything other than characters.
	If the name attribute is greater than 20 characters long.
	 If the type attribute contains anything other than characters.
	If the type attribute is greater than 20 characters long.
	If the length attribute is anything other than an integer.
	If the length attribute is greater than 999.
401 Unauthorized	JWT is invalid.
403 Forbidden	If the name attribute already exists in the database. Or if JWT sub property doesn't match the boat owner's id.
404 Not Found	If the ID sent in the URL doesn't match any existing boat.
406 Not Acceptable	If the accepted MIME type is anything other than application/json.
415 Unsupported Media Type	If the MIME type in the request is anything other than application/json.
	If a POST is sent, but the request body isn't JSON.
	303 See Other 400 Bad Request 401 Unauthorized 403 Forbidden 404 Not Found 406 Not Acceptable 415 Unsupported Media

Example Requests and Responses

303 See Other

Request

```
{
  "name": "Aldo",
  "type": "Catamaran",
  "length": 18
```

Response

```
{
  "id": "545332131243",
  "length": 18,
  "loads": [],
  "name": "Aldo",
  "owner": "auth0|6546455rewfa",
  "self": https://hw4-gae-marcusz.ey.r.appspot.com/boats/545332131243,
  "type": "Catamaran"
}
Headers:
Content-Type: application/json
Location: https://hw4-gae-marcusz.ey.r.appspot.com/boats/545332131243
```

400 Bad Request

Request 1 (missing at least one the required attributes)

```
{
    "name": "Frodo",
    "type": "Sailboat"
}
```

```
Body:
{
"Error": "The request object is missing at least one of the required attributes"
}
Headers:
Content-Type: application/json
```

View a Boat

Allows you to view a specific boat.

CET	/hoats/	/·hoat	iЫ
וחרו	/100/115/	'.DOat	1(1

Request

Protected

Yes

Response

MIME Types Returned

application/json

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	Successfully retrieved the boat.
Failure	401 Unauthorized	JWT is invalid.
Failure	403 Forbidden	If the JWT sub property doesn't match the boat owner's id.
Failure	404 Not Found	If the ID sent in the URL doesn't match any existing boat.
Failure	406 Not Acceptable	If the accepted MIME type is anything other than application/json.

Example Requests and Responses

200 OK

Request (Empty Body)

Response

```
{
    "id": "545332131243",
    "length": 5,
    "loads": [],
    "name": "ichiban",
    "owner": "auth0|6546455rewfa",
    "self": https://hw4-gae-marcusz.ey.r.appspot.com/boats/545332131243,
    "type": "yacht"
}
```

404 Not Found

Request

```
Body:
Accept: application/json
```

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

Headers:
Content-Type: application/json
```

406 Not Acceptable

Request 1 (Accept set to something other than application/json or text/html)

```
Body:
Accept: application/xml
```

```
Body:
{
    "Error": "Accepted media type must be application/json"
}

Headers:
Content-Type: application/json
Accept: application/json, text/html
```

View all Boats

Allows you to view all boats for an authenticated user.

CET	/hoatc	

Request

Protected

Yes

Response

MIME Types Returned

application/json

Response Statuses

Outcome	Status Code	Notes
Success	200 OK	Successfully retrieved the boat.
Failure	401 Unauthorized	JWT is invalid.
Failure	406 Not Acceptable	If the accepted MIME type is anything other than application/json.

Example Requests and Responses

200 OK

Request

```
Body:
Accept: application/json
```

Response

406 Not Acceptable

Request 1 (Accept set to something other than application/json or text/html)

```
Body:
Accept: application/xml
```

```
Body:
{
    "Error": "Accepted media type must be application/json"
}

Headers:
Content-Type: application/json
Accept: application/json, text/html
```

Add a Load to Boat

Allows an authenticated user to add a load to a boat.

PUT /boats/:boat_id/loads/:load_id

Request

Protected

Yes

Response

MIME Types Returned

application/json

Response Statuses

Outcome	Status Code	Notes
Success	204 No Content	Successfully added load to boat.
Failure	401 Unauthorized	JWT is invalid.
Failure	403 Forbidden	If the JWT sub property doesn't match the boat owner's id.
Failure	404 Not Found	If the specified boat or load doesn't exist.
Failure	406 Not Acceptable	If the accepted MIME type is anything other than application/json.

Example Requests and Responses

204 No Content (Load added successfully)

Request

Body:
Accept: application/json

Response

204 No Content

404 Not Found

Request

Body:
Accept: application/json

Response

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

Headers:
Content-Type: application/json
```

Note: All other error status codes have already been shown.

Remove Load from Boat

Allows an authenticated user to remove a load from a boat.

DELETE /boats/:boat_id/loads/:load_id

Request

Protected

Yes

Response

MIME Types Returned

application/json

Response Statuses

Outcome	Status Code	Notes
Success	204 No Content	Successfully removed load from boat.
Failure	401 Unauthorized	JWT is invalid.
Failure	403 Forbidden	If the JWT sub property doesn't match the boat owner's id.
Failure	403 Forbidden	If the load isn't on the boat.
Failure	404 Not Found	If the specified boat or load doesn't exist.

403 Forbidden

Request

Body:
Accept: application/json

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

Headers:
Content-Type: application/json
```

Create a Load

Allows you to create a new Load.

DOCT	7.				
POST	/1	n	а	n	ς

Request

Protected

No

MIME Destinations Accepted

application/json

Request JSON Attributes

Content	Destination	Description	Required?
content	String	The Content of the Load.	Yes
destination	String	The Destination of the Load.	Yes
volume	Integer	Volume of the Load in feet.	Yes

Response

MIME Destinations Returned

application/json

Response Statuses

Outcome	Status Code	Notes
Success	201 Created	Load created successfully.
Failure	400 Bad Request	If the request is missing any of the 3 required attributes.
		If the Content attribute contains anything other than characters.
		If the Content attribute is greater than 20 characters long.
		If the Destination attribute contains anything other than characters.
		If the Destination attribute is greater than 20 characters long.
		If the Volume attribute is anything other than an integer.
		If the Volume attribute is greater than 999.
Failure	405 Method Not Allowed	If the request method is either PUT, DELETE, or PATCH.
Failure	406 Not Acceptable	If the accepted MIME Type is anything other than application/json.
Failure	415 Unsupported Media Destination	If the MIME Type in the request is anything other than application/json.
		If a POST is sent, but the request body isn't JSON.

Example Requests and Responses

201 Created

Request

```
{
  "content": "apples",
  "destination":"US",
  "volume": 5
}
```

Response

```
Body:
{
    "carrier": "none",
    "content": "apples",
    "destination": "US",
    "id": "545332131243",
    "self": "https://hw4-gae-marcusz.ey.r.appspot.com/Loads/545332131243",
    "volume": 5
}
```

400 Bad Request

Request 1 (missing attributes)

```
{
  "content": "apples",
  "destination":"US"
}
```

```
Body:
{
"Error": "The request object is missing at least one of the required attributes"
}
Headers:
Content-Destination: application/json
```

Request 2 (Content contains something other than characters)

```
{
  "content": "apples2",
  "destination": "US",
  "volume:" 3
}
```

Response

```
Body:
{
"Error": "Object content must only contain characters"
}
Headers:
Content-Destination: application/json
```

Request 3 (Content is greater than 20 characters long)

```
Body:
{
"Error": "Object content can only be 20 characters long"
}
Headers:
Content-Destination: application/json
```

405 Method Not Allowed Request (sending a PUT)

```
{
  "content": "apples",
  "destination": "US"
}
```

Response

```
Body:
{
"Error": "Method not allowed"
}
Headers:
Content-Destination: application/json
Accept: POST
```

406 Not Acceptable

Request 1 (Accept isn't application/json)

```
Body:
{
    "content": "berries",
    "destination": "US",
    "Volume": 3
}
Headers:
Accept: text/html
```

```
Body:
{
"Error": "Accepted media type must be application/json"
}
Headers:
Content-Destination: application/json
```

415 Unsupported Media Type

Request 1 (Client sends something other than application/json)

```
Body:
{
    "content": "apples",
    "destination": "US",
    "Volume": 3
}
Headers:
Content-Destination: text/html
```

```
Body:
{
    "Error": "Media type must be application/json"
}
Headers:
Content-Destination: application/json
```

Delete a Load

Allows you to delete a Load.

```
DELETE /Loads/:Load_id
```

Request

Protected

No

Response

No body

Response Statuses

Outcome	Status Code	Notes
Success	204 No Content	Deleted successfully
Failure	404 Not Found	No Load with this Load_id exists

Example Requests and Responses

204 Success

Request (Empty Body)

Response (Empty Body)

404 Not Found

Request (Load ID doesn't exist in database)

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

Headers:
Content-Destination: application/json
```

Edit Part of a Load

Allows you to edit a subset of attributes of a Load.

PATCH /Loads/:Load_id

Request

Protected

No

MIME Destinations Accepted

application/json

Request JSON Attributes (Has to be at least one of the following)

Content	Destination	Description	Required?
content	String	The Content of the Load.	Yes
destination	String	The Destination of the Load. E.g., SailLoad, Catamaran, etc.	Yes
volume	Integer	Volume of the Load in feet.	Yes

Response

MIME Destinations Returned

application/json

Outcome	Status Code	Notes
Success	303 See Other	Load updated successfully. Location header set.
Failure	400 Bad Request	 If the request body doesn't contain at least one of the required attributes.
		 If the Content attribute contains anything other than characters.
		If the Content attribute is greater than 20 characters long.
		 If the Destination attribute contains anything other than characters.
		If the Destination attribute is greater than 20 characters long.
		If the Volume attribute is anything other than an integer.
		If the Volume attribute is greater than 999.
Failure	404 Not Found	If the ID sent in the URL doesn't match any existing Load.
Failure	406 Not Acceptable	If the accepted MIME type is anything other than application/json.
Failure	415 Unsupported Media Destination	 If the MIME type in the request is anything other than application/json.
		If a POST is sent, but the request body isn't JSON.

303 See Other

Request

```
{
  "content": "ichibanaroo"
}
```

Response

```
Body:
{
    "carrier": "none",
    "content": "ichibanaroo",
    "destination": "US",
    "id": "545332131243",
    "self": "https://hw4-gae-marcusz.ey.r.appspot.com/Loads/545332131243",
    "volume": 5
}
Headers:
Content-Destination: application/json
Location: https://hw4-gae-marcusz.ey.r.appspot.com/Loads/545332131243
```

400 Bad Request

Request 1 (missing all the required attributes)

```
{
    "color":"purple"
}
```

```
Body:
{
"Error": "The request object is missing at least one of the required attributes"
}
Headers:
Content-Destination: application/json
```

404 Not Found Request 1 (Load ID doesn't exist in database)

Response

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

Headers:
Content-Destination: application/json
```

Note: All other error status codes have already been shown.

Edit All of a Load

Allows you to edit all attributes of a Load.

PUT /Loads/:Load id	PUT /Loads/:Load_	id
---------------------	-------------------	----

Request

Protected

No

MIME Destinations Accepted

application/json

Request JSON Attributes

Content	Destination	Description	Required?
content	String	The Content of the Load.	Yes
destination	String	The Destination of the Load. E.g., SailLoad, Catamaran, etc.	Yes
volume	Integer	Volume of the Load in feet.	Yes

Response

MIME Destinations Returned

application/json

Outcome	Status Code	Notes
Success	303 See Other	Load updated successfully. Location header set.
Failure	400 Bad Request	If the request body doesn't contain all of the required attributes.
		 If the Content attribute contains anything other than characters.
		If the Content attribute is greater than 20 characters long.
		 If the Destination attribute contains anything other than characters.
		 If the Destination attribute is greater than 20 characters long.
		If the Volume attribute is anything other than an integer.
		If the Volume attribute is greater than 999.
Failure	404 Not Found	If the ID sent in the URL doesn't match any existing Load.
Failure	406 Not Acceptable	If the accepted MIME type is anything other than application/json.
Failure	415 Unsupported Media Destination	If the MIME type in the request is anything other than application/json.
		If a POST is sent, but the request body isn't JSON.

303 See Other

Request

```
{
  "content": "cars",
  "destination": "CA",
  "volume": 18
```

Response

```
Body:
{
    "carrier": "none",
    "content": "cars",
    "destination": "CA",
    "id": "545332131243",
    "self": "https://hw4-gae-marcusz.ey.r.appspot.com/Loads/545332131243",
    "volume": 18
}
Headers:
Content-Destination: application/json
Location: https://hw4-gae-marcusz.ey.r.appspot.com/Loads/545332131243
```

400 Bad Request

Request 1 (missing at least one the required attributes)

```
{
    "content": "cards",
    "destination": "NY"
}
```

```
Body:
{
"Error": "The request object is missing at least one of the required attributes"
}
Headers:
Content-Destination: application/json
```

View a Load

Allows you to view a specific Load.

\sim \sim \sim	/Loads/:Load_id		
(- F I	// O246/// O24 /4		
	/ LUGUS/ LUGU TU		

Request

Protected

No

Response

MIME Destinations Returned

application/json

Outcome	Status Code	Notes
Success	200 OK	Successfully retrieved the Load.
Failure	404 Not Found	If the ID sent in the URL doesn't match any existing Load.
Failure	406 Not Acceptable	If the accepted MIME Destination is anything other than application/json.

200 OK

Request

```
Body:
Accept: application/json
```

Response

```
Body:
{
    "carrier": "none",
    "content": "apples",
    "destination": "US",
    "id": "545332131243",
    "self": "https://hw4-gae-marcusz.ey.r.appspot.com/Loads/545332131243",
    "volume": 5
}
```

404 Not Found

Request

```
Body:
Accept: application/json
```

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

Headers:
Content-Destination: application/json
```

406 Not Acceptable

Request 1 (Accept set to something other than application/json or text/html)

```
Body:
Accept: application/xml
```

```
Body:
{
    "Error": "Accepted media type must be application/json"
}

Headers:
Content-Destination: application/json
Accept: application/json, text/html
```

View all Loads

Allows you to view all Loads for an authenticated user.

GFT /I nads	

Request

Protected

No

Response

MIME Destinations Returned

application/json

Outcome	Status Code	Notes
Success	200 OK	Successfully retrieved the Load.
Failure	406 Not Acceptable	If the accepted MIME Destination is anything other than application/json.

200 OK

Request

```
Body:
Accept: application/json
```

Response

406 Not Acceptable

Request 1 (Accept set to something other than application/json or text/html)

```
Body:
Accept: application/xml
```

```
Body:
{
    "Error": "Accepted media type must be application/json"
}

Headers:
Content-Destination: application/json
Accept: application/json, text/html
```