Portfolio: API Spec

CS 493: Cloud Application Development

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# Change log

|  |  |  |
| --- | --- | --- |
| **Version** | **Change** | **Date** |
| 1.0 | Initial version. | Dec 03, 2022 |

# Data Model

The app stores three kinds of entities in Datastore, Boats, Loads and Users.

## Boats

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property** | **Data Type** | **Valid values** | **Required?** | **Notes** |
| id | Integer | Integer | Yes | The id of the boat. Datastore automatically generates it. Don't add it yourself as a property of the entity. |
| name | String | A-Z, a-z | Yes | Name of the boat. |
| type | String | A-Z, a-z | Yes | Type of the boat. E.g., Sailboat, Catamaran, etc. |
| length | Integer | 0-9, positive integer | Yes | The length of the boat in feet. |
| loads | Array | Load objects | Yes | List of loads the boat is carrying. |
| owner | String | String | Yes | Owner of the boat, sub value of the owner’s JWT token, used as an unique identifier for the user in the application. |
| self | String | String | Yes | Self link url to this Boat resource. |

## Loads

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property** | **Data Type** | **Valid values** | **Required?** | **Notes** |
| id | Integer | Integer | Yes | The id of the slip. Datastore automatically generates it. Don't add it yourself as a property of the entity. |
| volume | Integer | 0-9, positive integer | Yes | Volume of the load |
| carrier | Object | Boat object | Yes | If this load is on a boat, then id, name and self link of that boat. Otherwise null. |
| item | String | A-Z, a-z | Yes | Description of the load. |
| create\_date | String | dd-mm-yyyy | Yes | Date the load was created. |
| self | String | String | Yes | Self link url to this Load resource. |

## Users

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property** | **Data Type** | **Valid values** | **Required?** | **Notes** |
| id | Integer | Integer | Yes | The id of the user. Datastore automatically generates it. Don't add it yourself as a property of the entity. |
| sub | String | String | Yes | Custom id created by Auth0’s JWT token, being used to identify user in the application. |
| name | String | String | Yes | Name of the user |

# Create a Boat

Allows you to create a new boat.

|  |
| --- |
| POST /boats |

## Request

### Endpoint Protected?

Yes

### Path Parameters

None

### Request Body

Required

### Request Body Format

JSON

### Request JSON Attributes

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Required?** |
| name | The name of the boat. | Yes |
| type | The type of the boat. E.g., Sailboat, Catamaran, etc. | Yes |
| length | Length of the boat in feet. | Yes |

### Request Body Example

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

## Response

### Response Body Format

JSON

### Response Statuses

|  |  |  |
| --- | --- | --- |
| **Outcome** | **Status Code** | **Notes** |
| Success | 201 Created |  |
| Failure | 400 Bad Request | If the request is missing any of the 3 required attributes, the boat must not be created, and 400 status code must be returned.  You don’t need to validate the values of the attributes and can assume that if the request contains any of the listed attributes, then that attribute’s value is valid.  You can also assume that the request will not contain any extraneous attribute (i.e., the request JSON will never contain any attribute that is not listed above). |
| Failure | 401 Unauthorized | Authorization token is missing or invalid for this protected endpoint. |
| Failure | 406 Not Acceptable | Client does not accept “application/json”. The client must accept “application/json” to read response sent from the Server. |

### Response Examples

* Datastore will automatically generate an ID and store it with the entity being created. Your app must send back this value in the response body as shown in the example.

#### Success

|  |
| --- |
| Status: 201 Created  {  "id": 123,  "name": "Sea Witch",  "type": "Catamaran",  "length": 28,  "loads": [],  "owner": "auth0|123456",  "self": "https://appspot.com/boats/123"  } |

#### Failure

|  |
| --- |
| Status: 400 Bad Request  {  "Error": "The request object is missing at least one of the required attributes"  } |

|  |
| --- |
| Status: 401 Unauthorized  {  "Error": "Not authenticated"  } |

|  |
| --- |
| Status: 406 Not acceptable  {  "Error": "Not acceptable"  } |

# Get a Boat

Allows you to get an existing boat

|  |
| --- |
| GET /boats/:boat\_id |

## Request

### Endpoint Protected?

Yes

## Path Parameters

|  |  |
| --- | --- |
| **Name** | **Description** |
| boat\_id | ID of the boat |

### Request Body

None

## Response

### Response Body Format

JSON

### Response Statuses

|  |  |  |
| --- | --- | --- |
| **Outcome** | **Status Code** | **Notes** |
| Success | 200 OK |  |
| Failure | 401 Unauthorized | Authorization token is missing or invalid for this protected endpoint. |
| Failure | 403 Forbidden | Not authorized to access this entity because the user does not own it. |
| Failure | 404 Not Found | No boat with this boat\_id exists |
| Failure | 406 Not Acceptable | Client does not accept “application/json”. The client must accept “application/json” to read response sent from the Server. |

### Response Examples

#### Success

|  |
| --- |
| Status: 200 OK  {  "id": 123,  "name": "Sea Witch",  "type": "Catamaran",  "length": 28,  "loads": [],  "owner": "auth0|123456",  "self": "https://appspot.com/boats/123"  } |

#### Failure

|  |
| --- |
| Status: 401 Unauthorized  {  "Error": "Not authenticated"  } |

|  |
| --- |
| Status: 403 Forbidden  {  "Error": "You do not own this boat"  } |

|  |
| --- |
| Status: 404 Not Found  {  "Error": "No boat with this boat\_id exists"  } |

|  |
| --- |
| Status: 406 Not Acceptable  {  "Error": "Not acceptable"  } |

# List all Boats

List all the boats with pagination and a limit of 5 per page.

|  |
| --- |
| GET /boats |

## Request

### Endpoint Protected?

Yes

### Path Parameters

None

### Request Body

None

## Response

### Response Body Format

JSON

### Response Statuses

|  |  |  |
| --- | --- | --- |
| **Outcome** | **Status Code** | **Notes** |
| Success | 200 OK |  |
| Failure | 401 Unauthorized | Authorization token is missing or invalid for this protected endpoint. |
| Failure | 406 Not Acceptable | Client does not accept “application/json”. The client must accept “application/json” to read response sent from the Server. |

### Response Examples

#### Success

|  |
| --- |
| Status: 200 OK  {  "boats": [  {  "id": 123,  "name": "Sea Witch",  "type": "Catamaran",  "length": 28,  "loads": [],  "owner": "auth0|123456",  "self": "https://appspot.com/boats/123"  },  {  "id": 456,  "name": "Adventure ",  "type": "Sailboat",  "length": 50,  "loads": [],  "owner": "auth0|123456",  "self": "https://appspot.com/boats/456"  },  {  "id": 789,  "name": "Hocus Pocus",  "type": "Sailboat",  "length": 100,  "loads": [],  "owner": "auth0|123456",  "self": "https://appspot.com/boats/789"  },  {  "id": 987,  "name": "Star Chase",  "type": "Sailboat",  "length": 50,  "loads": [],  "owner": "auth0|123456",  "self": "https://appspot.com/boats/987"  },  {  "id": 654,  "name": "Dreamer",  "type": "Cruise",  "length": 200,  "loads": [],  "owner": "auth0|123456",  "self": "https://appspot.com/boats/654"  },  ],  "count": 6,  "next": "https://appspot.com/boats?cursor=CicSIWoMc36odzQtd"  } |

#### Failure

|  |
| --- |
| Status: 401 Unauthorized  {  "Error": "Not authenticated"  } |

|  |
| --- |
| Status: 406 Not Acceptable  {  "Error": "Not acceptable"  } |

# Update a Boat

Allows you to update properties of a boat.

|  |
| --- |
| PUT /boats/:boat\_id |

## Request

### Endpoint Protected?

Yes

### Path Parameters

|  |  |
| --- | --- |
| **Name** | **Description** |
| boat\_id | ID of the boat |

### Request Body

Required

### Request JSON Attributes

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Required?** |
| name | Name of the boat. | Yes |
| type | Type of boat. | Yes |
| length | Length of boat. | Yes |

## Response

### Response Body Format

JSON

### Response Statuses

|  |  |  |
| --- | --- | --- |
| **Outcome** | **Status Code** | **Notes** |
| Success | 201 Created |  |
| Failure | 400 Bad Request | Missing at least one of the required attributes. |
| Failure | 401 Unauthorized | Authorization token is missing or invalid for this protected endpoint. |
| Failure | 403 Forbidden | This may happen in three cases, the boat name updated in the request is taken, client’s request is attempting to update the id, which is not allowed, or the user is not authorized to access the boat as the user is not the owner. |
| Failure | 404 Not Found | No boat with this boat\_id exists |
| Failure | 406 Not Acceptable | Client does not accept “application/json”. The client must accept “application/json” to read response sent from the Server. |
| Failure | 415 Unsupported Media Type | Server only accepts “application/json” data. Client request content-type should be “application/json”. |

### Response Examples

#### Success

|  |
| --- |
| Status: 201 Created  {  "id": 123,  "name": "Sea Witch",  "type": "Catamaran",  "length": 28,  "loads": [],  "owner": "auth0|123456",  "self": "https://appspot.com/boats/123"  } |

#### Failure

|  |
| --- |
| Status: 400 Bad Request  {  "Error": "The request object is missing at least one of the required attributes"  } |

|  |
| --- |
| Status: 401 Unauthorized  {  "Error": "Not authenticated"  } |

|  |
| --- |
| Status: 403 Forbidden  {  "Error": "You do not own this boat"  }  {  "Error": "This boat name has been used"  }  {  "Error": "Updating id is not allowed"  } |

|  |
| --- |
| Status: 404 Not Found  {  "Error": "No boat with this boat\_id exists"  } |

|  |
| --- |
| Status: 406 Not Acceptable  {  "Error": "Not acceptable"  } |
| Status: 415 Unsupported Media Type  {  "Error": "Server only accepts application/json data"  } |

# Partially update a Boat

Allows you to partially update properties of a boat.

|  |
| --- |
| PATCH /boats/:boat\_id |

## Request

### Endpoint Protected?

Yes

### Path Parameters

|  |  |
| --- | --- |
| **Name** | **Description** |
| boat\_id | ID of the boat |

### Request Body

Required

### Request JSON Attributes

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Required?** |
| name | Name of the boat. | No |
| type | Type of boat. | No |
| length | Length of boat. | No |

## Response

### Response Body Format

JSON

### Response Statuses

|  |  |  |
| --- | --- | --- |
| **Outcome** | **Status Code** | **Notes** |
| Success | 201 Created |  |
| Failure | 401 Unauthorized | Authorization token is missing or invalid for this protected endpoint. |
| Failure | 403 Forbidden | This may happen in three cases, the boat name updated in the request is taken, client’s request is attempting to update the id, which is not allowed, or the user is not authorized to access the boat as the user is not the owner. |
| Failure | 404 Not Found | No boat with this boat\_id exists |
| Failure | 406 Not Acceptable | Client does not accept “application/json”. The client must accept “application/json” to read response sent from the Server. |
| Failure | 415 Unsupported Media Type | Server only accepts “application/json” data. Client request content-type should be “application/json”. |

### Response Examples

#### Success

|  |
| --- |
| Status: 201 Created  {  "id": 123,  "name": "Sea Witch",  "type": "Catamaran",  "length": 28,  "loads": [],  "owner": "auth0|123456",  "self": "https://appspot.com/boats/123"  } |

#### Failure

|  |
| --- |
| Status: 401 Unauthorized  {  "Error": "Not authenticated"  } |

|  |
| --- |
| Status: 403 Forbidden  {  "Error": "You do not own this boat"  }  {  "Error": "This boat name has been used"  }  {  "Error": "Updating id is not allowed"  } |

|  |
| --- |
| Status: 404 Not Found  {  "Error": "No boat with this boat\_id exists"  } |

|  |
| --- |
| Status: 406 Not Acceptable  {  "Error": "Not acceptable"  } |

|  |
| --- |
| Status: 415 Unsupported Media Type  {  "Error": "Server only accepts application/json data"  } |

# Delete a Boat

Allows you to delete a boat. Note that if the boat contains a load, deleting the boat will unload any loads.

|  |
| --- |
| DELETE /boats/:boat\_id |

## Request

### Endpoint Protected?

Yes

### Path Parameters

|  |  |
| --- | --- |
| **Name** | **Description** |
| boat\_id | ID of the boat |

### Request Body

None

## Response

No body

### Response Body Format

Success: No body

Failure: JSON

### Response Statuses

|  |  |  |
| --- | --- | --- |
| **Outcome** | **Status Code** | **Notes** |
| Success | 204 No Content |  |
| Failure | 401 Unauthorized | Authorization token is missing or invalid for this protected endpoint. |
| Failure | 403 Forbidden | Not authorized to access this entity because the user does not own it. |
| Failure | 404 Not Found | No boat with this boat\_id exists |

### Response Examples

#### Success

|  |
| --- |
| Status: 204 No Content |

#### Failure

|  |
| --- |
| Status: 401 Unauthorized  {  "Error": "Not authenticated"  } |

|  |
| --- |
| Status: 403 Forbidden  {  "Error": "You do not own this boat"  } |

|  |
| --- |
| Status: 404 Not Found  {  "Error": "No boat with this boat\_id exists"  } |

# Create a Load

Allows you to create a new load.

|  |
| --- |
| POST /loads |

## Request

### Endpoint Protected?

No

### Path Parameters

None

### Request Body

Required

### Request Body Format

JSON

### Request JSON Attributes

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Required?** |
| volume | Volume of load. | Yes |
| item | Description of the load. | Yes |
| create\_date | Date the load was created. | Yes |

### Request Body Example

|  |
| --- |
| {  "volume": 5,  "item": "LEGO Blocks",  "create\_date": "10/18/2020"  } |

## Response

### Response Body Format

JSON

### Response Statuses

|  |  |  |
| --- | --- | --- |
| **Outcome** | **Status Code** | **Notes** |
| Success | 201 Created |  |
| Failure | 400 Bad Request | If the request is missing the number attribute, the load must not be created, and 400 status code must be returned.  You don’t need to validate the values of this attribute and can assume that if the number attribute is specified, then its value is valid.  You can also assume that the request will not contain any extraneous attribute (i.e., the request JSON will never contain any attribute other than number). |
| Failure | 406 Not Acceptable | Client does not accept “application/json”. The client must accept “application/json” to read response sent from the Server. |

### Response Examples

* Datastore will automatically generate an ID and store it with the entity being created. This value needs to be sent in the response body as shown in the example.
* The value of the attribute carrier is the ID, name and self link url of the boat currently loaded with load. If there is no carrier, the value of carrier should be null.

#### Success

|  |
| --- |
| Status: 201 Created  {  "id": 5678,  "volume": 5,  "carrier": null,  "item": "LEGO Blocks",  "create\_date": "10/18/2020",  "self": "https://appspot.com/loads/5678",  } |

#### Failure

|  |
| --- |
| Status: 400 Bad Request  {  "Error": "The request object is missing at least one of the required attributes"  } |

|  |
| --- |
| Status: 406 Not Acceptable  {  "Error": "Not acceptable"  } |

# Get a Load

Allows you to get an existing load.

|  |
| --- |
| GET /loads/:load\_id |

## Request

### Endpoint Protected?

No

### 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 load with this load\_id exists |
| Failure | 406 Not Acceptable | Client does not accept “application/json”. The client must accept “application/json” to read response sent from the Server. |

### Response Examples

#### Success

|  |
| --- |
| Status: 200 OK  {  "id": 5678,  "volume": 5,  "carrier": null,  "item": "LEGO Blocks",  "create\_date": "10/18/2020",  "self": "https://appspot.com/loads/5678"  } |

#### Failure

|  |
| --- |
| Status: 404 Not Found  {  "Error": "No load with this load\_id exists"  } |

|  |
| --- |
| Status: 406 Not Acceptable  {  "Error": "Not acceptable"  } |

# List all Loads

List all the loads with pagination and a limit of 5 per page.

|  |
| --- |
| GET /loads |

## Request

### Endpoint Protected?

No

### Path Parameters

None

### Request Body

None

## Response

### Response Body Format

JSON

### Response Statuses

|  |  |  |
| --- | --- | --- |
| **Outcome** | **Status Code** | **Notes** |
| Success | 200 OK |  |
| Failure | 406 Not Acceptable | Client does not accept “application/json”. The client must accept “application/json” to read response sent from the Server. |

### Response Examples

#### Success

|  |
| --- |
| Status: 200 OK  {  "loads": [  {  "id": 5678,  "volume": 5,  "carrier": null,  "item": "LEGO Blocks",  "create\_date": "10/18/2020",  "self": "https://appspot.com/loads/5678"  },  {  "id": 8765,  "volume": 10,  "carrier": null,  "item": "Coffee Beans",  "create\_date": "10/19/2020",  "self": "https://appspot.com/loads/8765"  },  {  "id": 4567,  "volume": 50,  "carrier": null,  "item": "Toys",  "create\_date": "10/18/2021",  "self": "https://appspot.com/loads/4567"  },  ],  "count": 3,  "next": "https://appspot.com/loads?cursor=CicSIWoMc36odzQtd"  } |

#### Failure

|  |
| --- |
| Status: 406 Not Acceptable  {  "Error": "Not acceptable"  } |

# Update a Load

Allows you to update properties of a load.

|  |
| --- |
| PUT /loads/:load\_id |

## Request

### Endpoint Protected?

No

### Path Parameters

|  |  |
| --- | --- |
| **Name** | **Description** |
| load\_id | ID of the load |

### Request Body

Required

### Request Body Format

JSON

### Request JSON Attributes

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Required?** |
| volume | Volume of load. | Yes |
| item | Description of the load. | Yes |
| create\_date | Date the load was created. | Yes |

## Response

### Response Body Format

JSON

### Response Statuses

|  |  |  |
| --- | --- | --- |
| **Outcome** | **Status Code** | **Notes** |
| Success | 201 Created |  |
| Failure | 400 Bad Request | Missing at least one of the three required attributes. |
| Failure | 403 Forbidden | Request to update id is not allowed. |
| Failure | 404 Not Found | No load with this load\_id exists |
| Failure | 406 Not Acceptable | Client does not accept “application/json”. The client must accept “application/json” to read response sent from the Server. |
| Failure | 415 Unsupported Media Type | Server only accepts “application/json” data. Client request content-type should be “application/json”. |

### Response Examples

#### Success

|  |
| --- |
| Status: 201 Created  {  "id": 5678,  "volume": 5,  "carrier": null,  "item": "LEGO Blocks",  "create\_date": "10/18/2020",  "self": "https://appspot.com/loads/5678"  } |

#### Failure

|  |
| --- |
| Status: 400 Bad Request  {  "Error": "The request object is missing at least one of the required attributes"  } |

|  |
| --- |
| Status: 403 Forbidden  {  "Error": "Updating id is not allowed"  } |

|  |
| --- |
| Status: 404 Not Found  {  "Error": "No load with this load\_id exists"  } |

|  |
| --- |
| Status: 406 Not Acceptable  {  "Error": "Not acceptable"  } |

|  |
| --- |
| Status: 415 Unsupported Media Type  {  "Error": "Server only accepts application/json data"  } |

# Partially update a Load

Allows you to partially update properties of a load.

|  |
| --- |
| PATCH /loads/:load\_id |

## Request

### Endpoint Protected?

No

### Path Parameters

|  |  |
| --- | --- |
| **Name** | **Description** |
| load\_id | ID of the load |

### Request Body

Required

### Request Body Format

JSON

### Request JSON Attributes

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Required?** |
| volume | Volume of load. | No |
| item | Description of the load. | No |
| create\_date | Date the load was created. | No |

## Response

### Response Body Format

JSON

### Response Statuses

|  |  |  |
| --- | --- | --- |
| **Outcome** | **Status Code** | **Notes** |
| Success | 201 Created |  |
| Failure | 403 Forbidden | Request to update id is not allowed. |
| Failure | 404 Not Found | No load with this load\_id exists |
| Failure | 406 Not Acceptable | Client does not accept “application/json”. The client must accept “application/json” to read response sent from the Server. |
| Failure | 415 Unsupported Media Type | Server only accepts “application/json” data. Client request content-type should be “application/json”. |

### Response Examples

#### Success

|  |
| --- |
| Status: 201 Created  {  "id": 5678,  "volume": 5,  "carrier": null,  "item": "LEGO Blocks",  "create\_date": "10/18/2020",  "self": "https://appspot.com/loads/5678"  } |

#### Failure

|  |
| --- |
| Status: 403 Forbidden  {  "Error": "Updating id is not allowed"  } |

|  |
| --- |
| Status: 404 Not Found  {  "Error": "No load with this load\_id exists"  } |

|  |
| --- |
| Status: 406 Not Acceptable  {  "Error": "Not acceptable"  } |

|  |
| --- |
| Status: 415 Unsupported Media Type  {  "Error": "Server only accepts application/json data"  } |

# Delete a Load

Allows you to delete a load. If the load is loaded on a boat, the boat will unload the load deleted.

|  |
| --- |
| DELETE /loads/:load\_id |

## Request

### Endpoint Protected?

No

### Path Parameters

|  |  |
| --- | --- |
| **Name** | **Description** |
| load\_id | ID of the load |

### Request Body

None

## Response

No body

### Response Body Format

Success: No body

Failure: JSON

### Response Statuses

|  |  |  |
| --- | --- | --- |
| **Outcome** | **Status Code** | **Notes** |
| Success | 204 No Content |  |
| Failure | 404 Not Found | No load with this load\_id exists |

### Response Examples

#### Success

|  |
| --- |
| Status: 204 No Content |

#### Failure

|  |
| --- |
| Status: 404 Not Found  {  "Error": "No load with this load\_id exists"  } |

# Assign a load to a boat

Loading a load to a boat.

|  |
| --- |
| PUT /boats/:boat\_id/loads/:load\_id |

## Request

### Endpoint Protected?

Yes

### Path Parameters

|  |  |
| --- | --- |
| **Name** | **Description** |
| load\_id | ID of the load |
| boat\_id | ID of the boat |

### Request Body

None

Note: Set Content-Length to 0 in your request when calling out to this endpoint.

## Response

No body

### Response Body Format

Success: No body

Failure: JSON

### Response Statuses

|  |  |  |
| --- | --- | --- |
| **Outcome** | **Status Code** | **Notes** |
| Success | 204 No Content | Succeeds only if a boat exists with this boat\_id, a load exists with this load\_id. |
| Failure | 401 Unauthorized | Authorization token is missing or invalid for this protected endpoint. |
| Failure | 403 Forbidden | The load is already loaded on another boat or the user does not own the boat |
| Failure | 404 Not Found | The specified boat and/or load does not exist |

### Response Examples

#### Success

|  |
| --- |
| Status: 204 No Content |

#### Failure

|  |
| --- |
| Status: 401 Unauthorized  {  "Error": "Not authenticated"  } |

|  |
| --- |
| Status: 403 Forbidden  {  "Error": "You do not own this boat"  }  {  "Error": "The load is already loaded on another boat"  } |

|  |
| --- |
| Status: 404 Not Found  {  "Error": "The specified boat and/or load does not exist"  } |

# Remove a load from a boat

Unloading a load from a boat.

|  |
| --- |
| DELETE /boats/:boat\_id/loads/:load\_id |

## Request

### Endpoint Protected?

Yes

### Path Parameters

|  |  |
| --- | --- |
| **Name** | **Description** |
| load\_id | ID of the load |
| boat\_id | ID of the boat |

### Request Body

None

## Response

No body

### Response Body Format

Success: No body

Failure: JSON

### Response Statuses

|  |  |  |
| --- | --- | --- |
| **Outcome** | **Status Code** | **Notes** |
| Success | 204 No Content | Succeeds only if a boat exists with this boat\_id, a load exists with this load\_id and this load is at this boat. |
| Failure | 401 Unauthorized | Authorization token is missing or invalid for this protected endpoint. |
| Failure | 403 Forbidden | The user does not own the boat |
| Failure | 404 Not Found | No load with this load\_id is at the boat with this boat\_id. This could be because no load with this load\_id exists, or because no boat with boat\_id exists, or even if both boat\_id and load\_id are valid, the load with this load\_id is not at this boat with this boat\_id |

### Response Examples

#### Success

|  |
| --- |
| Status: 204 No Content |

#### Failure

|  |
| --- |
| Status: 401 Unauthorized  {  "Error": "Not authenticated"  } |

|  |
| --- |
| Status: 403 Forbidden  {  "Error": "You do not own this boat"  } |

|  |
| --- |
| Status: 404 Not Found  {  "Error": " No boat with this boat\_id is loaded with the load with this load\_id"  } |

# List all Users

List all the users.

|  |
| --- |
| GET /users |

## Request

### Endpoint Protected?

No

### Path Parameters

None

### Request Body

None

## Response

### Response Body Format

JSON

### Response Statuses

|  |  |  |
| --- | --- | --- |
| **Outcome** | **Status Code** | **Notes** |
| Success | 200 OK |  |

### Response Examples

#### Success

|  |
| --- |
| Status: 200 OK  [  {  "id": 123,  "name": "user1@test.com",  "sub": "auth0|123456",  },  {  "id": 456,  "name": "user2@test.com",  "sub": "auth0|678910",  }  ] |