

GCP deployed & login/register URL:
<https://final-project-ngchi.nw.r.appspot.com>

Data Model

Boat- Protected (JWT required for CRUD operations)

| Property | Type | Required | Valid values | Notes |
|----------|--------|----------|----------------|---|
| id | Int | | / | The ID of the boat. Datastore automatically generates it. |
| name | String | Yes | No limitations | Name of the boat. |
| type | String | Yes | No limitations | Type of the boat. E.g., Sailboat, Catamaran, etc. |
| length | Int | Yes | >0 | The length of the boat in feet. |
| owner | String | | No limitations | User_ID. The user who creates this boat. |
| alliance | Int | | / | ID of alliance generated by Datastore. The alliance this boat joined. |

Relationship with Alliance - Many(boat) to One(alliance)

Relationship with User - Many(boat) to One(user)

Alliance- Unprotected

| Property | Type | Required | Valid values | Notes |
|---------------|----------------|----------|----------------|--|
| id | Int | | / | The ID of the alliance. Datastore automatically generates it. |
| founding_date | String | Yes | No limitations | Creation date of the alliance. |
| PIC | String | Yes | No limitations | Name of person in charge of the alliance. |
| capacity | Int | Yes | >0 | Maximum number of boats this alliance can have. |
| #boats | Int | | >=0 | Number of boats this alliance currently has. Initiated as 0. |
| boats | Array [Int] | | / | IDs of boats which joined this alliance. Initiated as an empty list. |

Relationship with Boat - One(alliance) to Many(boat)

Relationship with User - None

User

| Property | Type | Required | Valid values | Notes |
|----------|--------|----------|--------------|---|
| id | Int | | / | Datastore automatically generates it. |
| user_id | String | Yes | / | Unique identifier for the user. JWT's sub property. |

Relationship with Boat - One(user) to Many(boat)

Relationship with Alliance – None

* The unique identifier is only used to show the owner of a boat, the authentication of users requires a JWT for protected endpoints. “user_id” is not required for making any of the requests.

*A JWT can be acquired by registering or logging in an account via a link found in the above URL.

Final Project: API Spec

CS 493: Cloud Application Development

Spring 2021

Oregon State University

Last Update: June 06, 2021

| | |
|-------------------------------------|----|
| Change log..... | 2 |
| Create a Boat | 3 |
| List all Boats | 5 |
| Get a Boat | 7 |
| Put a Boat..... | 9 |
| Patch a Boat | 11 |
| Delete a Boat..... | 13 |
| Create an Alliance | 15 |
| List all Alliances | 17 |
| Get an Alliance | 17 |
| Put an Alliance | 17 |
| Patch an Alliance..... | 23 |
| Delete an Alliance | 25 |
| Assign a Boat to an Alliance | 26 |
| Remove a Boat from an Alliance..... | 28 |
| List all Users | 29 |
| Remarks | 30 |

Change log

| Version | Change | Date |
|---------|------------------|--------------|
| 1.0 | Initial version. | June 06 2021 |

Create a Boat

Allows you to create a new boat. The alliance of a newly created boat is unassigned. Protected.

POST /boats

Request

Path Parameters

None

Request Body

Required

Request Body Format

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 |

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, or any of the data types is incorrect, or length is smaller than 1, 400 status code must be returned. |
| Failure | 401 Unauthorized | If JWT is invalid or missing, 401 status code must be returned. |
| Failure | 406 Not Acceptable | If the requested media type does not include 'application/json', 406 status code must be returned. |

Response Examples

Success

Status: 201 Created

```
{
  "id": 5712837116690432,
  "name": "Sea Witch",
  "type": "Catamaran",
  "length": 28,
  "owner": "Anderson1234",
  "alliance": null,
  "self": "https://final-project-ngchi.nw.r.appspot.com/boats/5712837116690432"
}
```

Failure

Status: 400 Bad Request

```
{
  "Error": "Invalid request body."
}
```

Status: 401 Unauthorized

---Token is missing---

```
{
  "Error": "No token."
}
```

---Token is invalid---

```
{
  "code": ... (depends on different reasons of being invalid),
  "description": ... (depends on different reasons of being invalid)
}
```

Status: 406 Not Acceptable

```
{
  "Error": "Invalid requested media type."
}
```

List all Boats

List all the boats owned by the authenticated user. Pagination is implemented with 5 boats listed per page. Protected.

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

Request

Path Parameters

None

Request Body

None

Response

Response Body Format

JSON

Response Statuses

| Outcome | Status Code | Notes |
|---------|--------------------|--|
| Success | 200 OK | Return no content if a JWT is missing or invalid. |
| Failure | 406 Not Acceptable | If the requested media type does not include 'application/json', 406 status code must be returned. |

Response Examples

Success

Status: 200 OK

---when JWT is valid, and the user has some boats---

```
{
  "boats": [
    {
      "length": 28,
      "alliance": null,
      "id": 4586837486075904,
      "name": "Sea Witch",
      "type": "Catamaran",
      "owner": "David9456",
      "self": "https://final-project-ngchi.nw.r.appspot.com/boats/4586837486075904"
    },
    {
      "length": 60,
      "alliance": null,
      "id": 1586849586055094,
      "name": "Skyline 66",
      "type": "Yacht",
      "owner": "David9456",
      "self": "https://final-project-ngchi.nw.r.appspot.com
```

```

        /boats/1586849586055094"
    },
    {
      "type": "Power boat",
      "length": 60,
      "name": "Random 2",
      "alliance": null,
      "owner": "David9456",
      "id": 4788074152198144,
      "self": "https://final-project-ngchi.nw.r.appspot.com/boats/4788074152198144"
    },
    {
      "type": "Destroyer",
      "length": 515,
      "name": "Finisher01",
      "alliance": null,
      "owner": "David9456",
      "id": 6485074642198199,
      "self": "https://final-project-ngchi.nw.r.appspot.com/boats/6485074642198199"
    },
    {
      "length": 89,
      "alliance": null,
      "name": "Sea Horse",
      "type": "Sailboat",
      "owner": "David9456",
      "id": 4792220395816064,
      "self": "https://final-project-ngchi.nw.r.appspot.com/boats/4792220395816064"
    }
  ],
  "total_number": 7
  "next": "https://final-project-ngchi.nw.r.appspot.com/boats?limit=5&offset=5"
}

```

Failure

Status: 406 Not Acceptable

```

{
  "Error": "Invalid requested media type."
}

```

Get a Boat

Allows you to get an existing boat owned by the authenticated user. Protected.

| |
|---------------------|
| GET /boats/:boat_id |
|---------------------|

Request

Path Parameters

| Name | Type | Description |
|---------|--------|----------------|
| boat_id | String | ID of the boat |

Request Body

None

Response

Response Body Format

JSON

Response Statuses

| Outcome | Status Code | Notes |
|---------|--------------------|---|
| Success | 200 OK | |
| Failure | 401 Unauthorized | If JWT is invalid or missing, 401 status code must be returned. |
| Failure | 403 Forbidden | If the boat with this boat_id is not owned by the authenticated user, 403 status code must be returned. |
| Failure | 404 Not Found | No boat with this boat_id exists. |
| Failure | 406 Not Acceptable | If the requested media type does not include 'application/json', 406 status code must be returned. |

Response Examples

Success

| |
|---|
| Status: 200 OK |
| <pre>{ "id": 5712837116690432, "name": "Sea Witch", "type": "Catamaran", "length": 28, "owner": "Anderson1234", "alliance": null, "self": "https://final-project-ngchi.nw.r.appspot.com/boats/5712837116690432" }</pre> |

Failure

| |
|--|
| Status: 401 Unauthorized |
| <pre>---Token is missing--- { "Error": "No token." }</pre> |

| |
|--|
| <p>---Token is invalid---</p> <pre>{ "code": ... (depends on different reasons of being invalid), "description": ... (depends on different reasons of being invalid) }</pre> |
| <p>Status: 403 Forbidden</p> <pre>{ "Error": "Not your boat." }</pre> |
| <p>Status: 404 Not Found</p> <pre>{ "Error": "Boat not found." }</pre> |
| <p>Status: 406 Not Acceptable</p> <pre>{ "Error": "Invalid requested media type." }</pre> |

Put a Boat

Allows you to update a boat owned by the authenticated user. Protected.

PUT /boats/:boat_id

Request

Path Parameters

| Name | Type | Description |
|---------|--------|----------------|
| boat_id | String | ID of the boat |

Request Body

Required

Request Body Format

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 |

Request Body Example

```
{
  "name": "Sea Witch",
  "type": "Catamaran",
  "length": 30
}
```

Response

Response Body Format

JSON

Response Statuses

| Outcome | Status Code | Notes |
|---------|--------------------|---|
| Success | 200 OK | |
| Failure | 400 Bad Request | If the request is missing any of the 3 required attributes, or any of the data types is incorrect, or length is smaller than 1, 400 status code must be returned. |
| Failure | 401 Unauthorized | If JWT is invalid or missing, 401 status code must be returned. |
| Failure | 403 Forbidden | If the boat with this boat_id is not owned by the authenticated user, 403 status code must be returned. |
| Failure | 404 Not Found | No boat with this boat_id exists. |
| Failure | 406 Not Acceptable | If the requested media type does not include 'application/json', 406 status code must be returned. |

Response Examples

Success

Status: 200 OK

```
{
  "id": 5712837116690432,
  "name": "Sea Witch",
  "type": "Catamaran",
  "length": 30,
  "owner": "Anderson1234",
  "alliance": null,
  "self": "https://final-project-ngchi.nw.r.appspot.com/boats/5712837116690432"
}
```

Failure

Status: 400 Bad Request

```
{
  "Error": "Invalid request body."
}
```

Status: 401 Unauthorized

---Token is missing---

```
{
  "Error": "No token."
}
```

---Token is invalid---

```
{
  "code": ... (depends on different reasons of being invalid),
  "description": ... (depends on different reasons of being invalid)
}
```

Status: 403 Forbidden

```
{
  "Error": "Not your boat."
}
```

Status: 404 Not Found

```
{
  "Error": "Boat not found."
}
```

Status: 406 Not Acceptable

```
{
  "Error": "Invalid requested media type."
}
```

Patch a Boat

Allows you to update a boat owned by the authenticated user. Protected.

PATCH /boats/:boat_id

Request

Path Parameters

| Name | Type | Description |
|---------|--------|----------------|
| boat_id | String | ID of the boat |

Request Body

Required

Request Body Format

JSON

Request JSON Attributes

| Name | Type | Description | Required? |
|--------|---------|---|-----------|
| name | String | The name of the boat. | No |
| type | String | The type of the boat. E.g., Sailboat, Catamaran, etc. | No |
| length | Integer | Length of the boat in feet. | No |

Request Body Example

```
{
  "length": 30
}
```

Response

Response Body Format

JSON

Response Statuses

| Outcome | Status Code | Notes |
|---------|--------------------|---|
| Success | 200 OK | Ignore all other attributes not listed above. Only three attributes listed above will be updated. |
| Failure | 400 Bad Request | If any of the data types is incorrect, or length is smaller than 1, 400 status code must be returned. |
| Failure | 401 Unauthorized | If JWT is invalid or missing, 401 status code must be returned. |
| Failure | 403 Forbidden | If the boat with this boat_id is not owned by the authenticated user, 403 status code must be returned. |
| Failure | 404 Not Found | No boat with this boat_id exists. |
| Failure | 406 Not Acceptable | If the requested media type does not include 'application/json', 406 status code must be returned. |

Response Examples

Success

Status: 200 OK

```
{
  "id": 5712837116690432,
  "name": "Sea Witch",
  "type": "Catamaran",
  "length": 30,
  "owner": "Anderson1234",
  "alliance": null,
  "self": "https://final-project-ngchi.nw.r.appspot.com/boats/5712837116690432"
}
```

Failure

Status: 400 Bad Request

```
{
  "Error": "Invalid request body."
}
```

Status: 401 Unauthorized

---Token is missing---

```
{
  "Error": "No token."
}
```

---Token is invalid---

```
{
  "code": ... (depends on different reasons of being invalid),
  "description": ... (depends on different reasons of being invalid)
}
```

Status: 403 Forbidden

```
{
  "Error": "Not your boat."
}
```

Status: 404 Not Found

```
{
  "Error": "Boat not found."
}
```

Status: 406 Not Acceptable

```
{
  "Error": "Invalid requested media type."
}
```

Delete a Boat

Allows you to delete a boat owned by the authenticated user. Note that if the boat has an alliance, it will be removed in the boat list of the alliance. Protected.

| |
|------------------------|
| DELETE /boats/:boat_id |
|------------------------|

Request

Path Parameters

| Name | Type | Description |
|---------|--------|----------------|
| boat_id | String | 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 | If JWT is invalid or missing, 401 status code must be returned. |
| Failure | 403 Forbidden | If the boat with this boat_id is not owned by the authenticated user, 403 status code must be returned. |
| Failure | 404 Not Found | No boat with this boat_id exists. |

Response Examples

Success

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

Failure

Status: 401 Unauthorized

---Token is missing---

```
{
  "Error": "No token."
}
```

---Token is invalid---

```
{
  "code": ... (depends on different reasons of being invalid),
  "description": ... (depends on different reasons of being invalid)
}
```

| |
|--------------------------------------|
| } |
| Status: 403 Forbidden |
| { "Error": "Not your boat." } |
| Status: 404 Not Found |
| { "Error": "Boat not found." } |

Create an Alliance

Allows you to create a new alliance. A newly created alliance has no boats assigned to it. Unprotected.

POST /alliances

Request

Path Parameters

None

Request Body

Required

Request Body Format

JSON

Request JSON Attributes

| Name | Type | Description | Required? |
|---------------|--------|--|-----------|
| founding_date | String | The date of the alliance founded. | Yes |
| PIC | String | The name of person in charge of the alliance. | Yes |
| capacity | Int | The maximum number of boats the alliance can have. | Yes |

Request Body Example

```
{
  "founding_date": "10/18/2020",
  "PIC": "Admiral Young",
  "capacity": 10
}
```

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, or any of the data types is incorrect, or capacity is smaller than 1, 400 status code must be returned. |
| Failure | 406 Not Acceptable | If the requested media type does not include 'application/json', 406 status code must be returned. |

Response Examples

Success

Status: 201 Created

```
{
```

```
"id": 5139090152357888,  
"founding_date": "10/18/2020",  
"PIC": "Admiral Young",  
"capacity": 10,  
"#boats": 0,  
"boats": [],  
"self": "https://final-project-ngchi.nw.r.appspot.com/  
alliances/5139090152357888"  
}
```

Failure

Status: 400 Bad Request

```
{  
  "Error": "Invalid request body."  
}
```

Status: 406 Not Acceptable

```
{  
  "Error": "Invalid requested media type."  
}
```


List all Alliances

List all the alliances. Pagination is implemented with 5 alliances listed per page. Unprotected.

| |
|----------------|
| GET /alliances |
|----------------|

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 | If the requested media type does not include 'application/json', 406 status code must be returned. |

Response Examples

Success

Status: 200 OK

```
{
  "alliances": [
    {
      "boats": [],
      "capacity": 10,
      "founding_date": "2021-06-04",
      "#boats": 0,
      "PIC": "Jack Sparrow",
      "id": 4961985967947776,
      "self": "https://final-project-ngchi.nw.r.appspot.com/alliances/4961985967947776"
    },
    {
      "PIC": "Jack Sparrow",
      "boats": [],
      "#boats": 0,
      "founding_date": "2021-06-06",
      "capacity": 10,
      "id": 5465505922023424,
      "self": "https://final-project-ngchi.nw.r.appspot.com/alliances/5465505922023424"
    }
  ],
}
```

```

{
  "boats": [],
  "capacity": 10,
  "PIC": "Jack Sparrow",
  "#boats": 0,
  "founding_date": "2021-06-01",
  "id": 5524935921369088,
  "self": "https://final-project-ngchi.nw.r.appspot.com/
          alliances/5524935921369088"
},
{
  "#boats": 0,
  "capacity": 10,
  "PIC": "Jack Sparrow",
  "founding_date": "2021-06-03",
  "boats": [],
  "id": 6087885874790400,
  "self": "https://final-project-ngchi.nw.r.appspot.com/
          alliances/6087885874790400"
},
{
  "boats": [],
  "founding_date": "2021-06-05",
  "PIC": "Jack Sparrow",
  "#boats": 0,
  "capacity": 10,
  "id": 6369360851501056,
  "self": "https://final-project--ngchi.nw.r.appspot.com/
          alliances/6369360851501056"
}
],
"total_number": 6,
"next": "https://final-project-ngchi.nw.r.appspot.com/
        alliances?limit=5&offset=5"
}

```

Failure

Status: 406 Not Acceptable

```

{
  "Error": "Invalid requested media type."
}

```

Get an Alliance

Allows you to get an existing alliance. Unprotected.

GET /alliances/:alliance_id

Request

Path Parameters

| Name | Type | Description |
|-------------|--------|--------------------|
| alliance_id | String | ID of the alliance |

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 alliance_id exists. |
| Failure | 406 Not Acceptable | If the requested media type does not include 'application/json', 406 status code must be returned. |

Response Examples

Success

Status: 200 OK

```
{
  "id": 5139090152357888,
  "founding_date": "10/18/2020",
  "PIC": "Admiral Young",
  "capacity": 10,
  "#boats": 0,
  "boats": [],
  "self": "https://final-project-ngchi.nw.r.appspot.com/alliances/5139090152357888"
}
```

Failure

Status: 404 Not Found

```
{
  "Error": "Alliance not found."
}
```

Status: 406 Not Acceptable

```
{  
  "Error": "Invalid requested media type."  
}
```

Put an Alliance

Allows you to update an alliance. Unprotected.

PUT /alliances/:alliance_id

Request

Path Parameters

| Name | Type | Description |
|-------------|--------|--------------------|
| alliance_id | String | ID of the alliance |

Request Body

Required

Request Body Format

JSON

Request JSON Attributes

| Name | Type | Description | Required? |
|----------|--------|--|-----------|
| PIC | String | The name of person in charge of the alliance. | Yes |
| capacity | Int | The maximum number of boats the alliance can have. | Yes |

Request Body Example

```
{
  "PIC": "Admiral Chan",
  "capacity": 30
}
```

Response

Response Body Format

JSON

Response Statuses

| Outcome | Status Code | Notes |
|---------|--------------------|---|
| Success | 200 OK | |
| Failure | 400 Bad Request | If the request is missing any of the 2 required attributes, or any of the data types is incorrect, or capacity is smaller than 1, 400 status code must be returned. |
| Failure | 403 Forbidden | If capacity from the request is smaller than the current number of boats in the alliance, 403 status code must be returned. |
| Failure | 404 Not Found | No alliance with this alliance_id exists. |
| Failure | 406 Not Acceptable | If the requested media type does not include 'application/json', 406 status code must be returned. |

Response Examples

Success

Status: 200 OK

```
{
  "id": 5139090152357888,
  "founding_date": "10/18/2020",
  "PIC": "Admiral Chan",
  "capacity": 30,
  "#boats": 0,
  "boats": [],
  "self": "https://final-project-ngchi.nw.r.appspot.com/alliances/5139090152357888"
}
```

Failure

Status: 400 Bad Request

```
{
  "Error": "Invalid request body."
}
```

Status: 403 Forbidden

```
{
  "Error": "Capacity < current #boats."
}
```

Status: 404 Not Found

```
{
  "Error": "Alliance not found."
}
```

Status: 406 Not Acceptable

```
{
  "Error": "Invalid requested media type."
}
```

Patch an Alliance

Allows you to update an alliance. Unprotected.

PATCH /alliances/:alliance_id

Request

Path Parameters

| Name | Type | Description |
|-------------|--------|--------------------|
| alliance_id | String | ID of the alliance |

Request Body

Required

Request Body Format

JSON

Request JSON Attributes

| Name | Type | Description | Required? |
|----------|--------|--|-----------|
| PIC | String | The name of person in charge of the alliance. | No |
| capacity | Int | The maximum number of boats the alliance can have. | No |

Request Body Example

```
{
  "capacity": 30
}
```

Response

Response Body Format

JSON

Response Statuses

| Outcome | Status Code | Notes |
|---------|--------------------|---|
| Success | 200 OK | |
| Failure | 400 Bad Request | If any of the data types is incorrect, or capacity is smaller than 1, 400 status code must be returned. |
| Failure | 403 Forbidden | If capacity from the request is smaller than the current number of boats in the alliance, 403 status code must be returned. |
| Failure | 404 Not Found | No alliance with this alliance_id exists. |
| Failure | 406 Not Acceptable | If the requested media type does not include 'application/json', 406 status code must be returned. |

Response Examples

Success

Status: 200 OK

```
{
```

```
{
  "id": 5139090152357888,
  "founding_date": "10/18/2020",
  "PIC": "Admiral Young",
  "capacity": 30,
  "#boats": 0,
  "boats": [],
  "self": "https://final-project-ngchi.nw.r.appspot.com/
    alliances/5139090152357888"
}
```

Failure

Status: 400 Bad Request

```
{
  "Error": "Invalid request body."
}
```

Status: 403 Forbidden

```
{
  "Error": "Capacity < current #boats."
}
```

Status: 404 Not Found

```
{
  "Error": "Alliance not found."
}
```

Status: 406 Not Acceptable

```
{
  "Error": "Invalid requested media type."
}
```


Delete an Alliance

Allows you to delete an alliance. All boats in this alliance will become unassigned. Unprotected.

DELETE /alliances/:alliance_id

Request

Path Parameters

| Name | Type | Description |
|-------------|--------|--------------------|
| alliance_id | String | ID of the alliance |

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 alliance with this alliance_id exists. |

Response Examples

Success

Status: 204 No Content

Failure

Status: 404 Not Found

```
{
  "Error": "Alliance not found."
}
```

Assign a Boat to an Alliance

Allows you to assign a boat of an authenticated user to an alliance. A boat can only be assigned to one alliance each time. The alliance must not be full. The boat will be added to a array on the alliance's "boats" attribute. The alliance will be listed as the boat's alliance. Protected.

PUT /alliances/:alliance_id/boats/:boat_id

Request

Path Parameters

| Name | Type | Description |
|-------------|--------|--------------------|
| alliance_id | String | ID of the alliance |
| boat_id | String | 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 | Succeed only if a boat exists with this boat_id, a alliance exists with this alliance_id, the boat is unassigned, and the alliance is not full. |
| Failure | 401 Unauthorized | If JWT is invalid or missing, 401 status code must be returned. |
| Failure | 403 Forbidden | The boat is already assigned to an alliance, or the alliance is full, or the boat does not belong to the authenticated user. |
| Failure | 404 Not Found | No boat with this boat_id exists, and/or no alliance with this alliance_id exists. |

Response Examples

Success

Status: 204 No Content

Failure

Status: 401 Unauthorized

---Token is missing---

| |
|--|
| <pre> { "Error": "No token." } ---Token is invalid--- { "code": ... (depends on different reasons of being invalid), "description": ... (depends on different reasons of being invalid) } </pre> |
| <p>Status: 403 Forbidden</p> <p>---Boat is assigned to another alliance---</p> <pre> { "Error": "Boat has an alliance already." } ---Alliance is full--- { "Error": "Alliance is full." } ---Boat is owned by another user--- { "Error": "Not your boat." } </pre> |
| <p>Status: 404 Not Found</p> <pre> { "Error": "Alliance/boat not found." } </pre> |

Remove a Boat from an Alliance

Allows you to remove a boat from an alliance. The boat will be removed from an array of the alliance's "boats" attribute. The boat's "alliance" attribute will be null. Unprotected.

| |
|---|
| DELETE /alliances/:alliance_id/boats/:boat_id |
|---|

Request

Path Parameters

| Name | Type | Description |
|-------------|--------|--------------------|
| alliance_id | String | ID of the alliance |
| boat_id | String | 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 | Succeed if and only if the boat is in this alliance. |
| Failure | 403 Forbidden | The boat is not in this alliance. |
| Failure | 404 Not Found | No boat with this boat_id exists, and/or no alliance with this alliance_id exists. |

Response Examples

Success

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

Failure

| |
|-----------------------|
| Status: 403 Forbidden |
|-----------------------|

| |
|---|
| <pre>{ "Error": "Boat is not in this alliance." }</pre> |
|---|

| |
|-----------------------|
| Status: 404 Not Found |
|-----------------------|

| |
|--|
| <pre>{ "Error": "Alliance/boat not found." }</pre> |
|--|

List all Users

List all users. Unprotected.

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

Request

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

```
[
  {
    "user_id": "google-oauth2|101547833733477007167"
  },
  {
    "user_id": "google-oauth2|101934311729875006274"
  }
]
```

Remarks

For requests submitted to the URLs with a method not listed in this document, an error will be returned.

| |
|---------------------|
| E.g., DELETE /users |
|---------------------|

Response

Response Body Format

JSON

Response Statuses

| Outcome | Status Code | Notes |
|---------|------------------------|-------|
| Failure | 405 Method Not Allowed | |

Response Examples

Failure

| |
|--------------------------------|
| Status: 405 Method Not Allowed |
|--------------------------------|

| |
|---|
| <pre>{ "Error": "Request method not allowed." }</pre> |
|---|