Base URL: <https://mitcheza-api-2.appspot.com>

**List all ships**

Lists all ships currently in the datastore.

**Call***: GET /ships*

**Parameters:**

**Response:**

Status: 200 OK

{

"items": [

{

"name": "Usain Boat",

"type": "Racer",

"cargo": [

{

"id": "4760893132898304",

"self": "https://mitcheza-api-2.appspot.com/cargo/4760893132898304"

}

],

"length": 30,

"id": "4797072796549120",

"self": "https://mitcheza-api-2.appspot.com/ships/4797072796549120"

},

{

"length": 100,

"name": "Sea Ya L8r",

"type": "Sank",

"cargo": [],

"id": "5161677670580224",

"self": "https://mitcheza-api-2.appspot.com/ships/5161677670580224"

},

{

"cargo": [],

"length": 23,

"name": "sample ship",

"type": "xsdfg",

"id": "4793761913634816",

"self": "https://mitcheza-api-2.appspot.com/ships/4793761913634816"

}

],

"next": "http://mitcheza-api-2.appspot.com/ships?cursor=CkIKFQoEbmFtZRINGgtzYW1wbGUgc2hpcBIlahBtfm1pdGNoZXphLWFwaS0ychELEgRTaGlwGICAgODq/MEIDBgAIAA="

}

**Get a single ship**

Returns a single ship.

**Call***: GET /ships/{id}*

**Parameters:**

**Response:**

Status: 200 OK

{

"length": 27,

"name": "Usain Boat",

"type": "Racer",

"id": "4797072796549120",

“cargo”: []

"self": "https://mitcheza-api-2.appspot.com/ships/4797072796549120"

}

**Create a new ship**

Adds a new ship to the datastore, initialized without cargo.

**Call***: POST /ships*

**Parameters:**

“name” – String, Name of the craft

“length” – Number, Length of the craft  
“type” – String, Ship classification

**Response:**

Status: 201 Created

{ “id”: "5663461317017600" }

**Delete a ship**

Removes ship permanently from datastore and clears cargo if it had any.

**Call***: DELETE /ships/{id}*

**Parameters:**

**Response:**

Status: 204 No Content

**Edit a ship**

Edits a ship that already resides in the datastore.

**Call***: PUT /ships/{id}*

**Parameters:**

“name” – String, Name of the craft

“length” – Number, Length of the craft  
“type” – String, Ship classification

**Response:**

Status: 200 OK

**--- End ship / Begin cargo ---List all cargo**

Lists all cargo currently in datastore.

**Call***: GET /cargo*

**Parameters:**

**Response:**

Status: 200 OK

{

"items": [

{

"delivery\_date": "06/30/2063",

"carrier": "",

"content": "USPS Media Mail",

"weight": 645,

"id": "4702520098160640",

"self": "https://mitcheza-api-2.appspot.com/cargo/4702520098160640"

},

{

"content": "USPS Media Mail",

"weight": 645,

"delivery\_date": "06/30/2063",

"carrier": {

"id": "4741957729386496",

"name": "sample ship",

"self": "https://mitcheza-api-2.appspot.com/ships/4741957729386496"

},

"id": "4827406338621440",

"self": "https://mitcheza-api-2.appspot.com/cargo/4827406338621440"

}

],

"next": "END OF RESULTS"

}

**Get a single cargo**

Returns a single cargo.

**Call***: GET /cargo/{id}*

**Parameters:**

**Response:**

Status: 200 OK

{

"content": "USPS Media Mail",

"weight": 645,

"delivery\_date": "06/30/2063",

"carrier": {

"id": "4741957729386496",

"name": "sample ship",

"self": "https://mitcheza-api-2.appspot.com/ships/4741957729386496"

},

"id": "4827406338621440",

"self": <https://mitcheza-api-2.appspot.com/cargo/4827406338621440>

}

**Create new cargo**

Adds new cargo to the datastore, initialized without any carrier.

**Call***: POST /cargo*

**Parameters:**

“content” – String, contents of cargo load  
“weight” – Number, weight of cargo load

“delivery\_date” – String, date of expected arrival

**Response:**

Status: 201 Created

{ “id”: "5663461317017600" }

**Edit a cargo**

Edits cargo that already resides in the datastore.

**Call***: PUT /cargo/{id}*

**Parameters:**

“content” – String, contents of cargo load  
“weight” – Number, weight of cargo load

“delivery\_date” – String, date of expected arrival

**Response:**

Status: 200 OK

**Delete a cargo**

Removes cargo permanently from datastore and clears from ship if loaded there.

**Call***: DELETE /cargo/{id}*

**Parameters:**

**Response:**

Status: 204 No Content

**Load cargo to a ship**

Adds existing cargo to an existing ship, updating the ship.cargo[] and the cargo.carrier appropriately.

**Call***: PUT /ships/{ship\_id}/cargo/{cargo\_id}*

**Parameters:**

**Response:**

Status: 200 Ok

**Unload cargo to a ship**

Removes existing cargo from an existing ship, updating the ship.cargo[] and the cargo.carrier appropriately.

**Call***: DELETE /ships/{ship\_id}/cargo/{cargo\_id}*

**Parameters:**

**Response:**

Status: 200 Ok