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

**List all ships**

Lists all ships currently in the datastore whether they be at sea or docked.

**Call***: GET /ships*

**Parameters:**

**Response:**

Status: 200 OK

[

{

"name": "Sea Ya L8r",

"type": "Ketch",

"length": 33,

"id": "5638186843766784"

},

{

"length": 45,

"name": "Wanderer",

"type": "Sloop",

"id": "5660980839186432"

}

]

**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": "5645015573331968"

}

**Create a new ship**

Adds a new ship to the datastore, initialized unmoored from any slip (‘at sea’).

**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" }

**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

**Delete a ship**

Removes ship permanently from datastore and clears slip if moored there.

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

**Parameters:**

**Response:**

Status: 204 No Content

**List all slips**

Lists all slips currently in datastore.

**Call***: GET /slips*

**Parameters:**

**Response:**

Status: 200 OK

[

{

"number": 1,

"current\_ship": "Usain Boat",  
 "arrival\_date": "12/31/1999",

"id": "5677303661068288",

"ship\_url": "https://mitcheza-api.appspot.com/ships/5645015573331968"

},

{

"number": 2,

"current\_ship": "",

"arrival\_date": "",

"id": "5750197846016000",

"ship\_url": ""

}

]

**Get a single slip**

Returns a single slip.

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

**Parameters:**

**Response:**

Status: 200 OK

{

"arrival\_date": "12/31/1999",

"number": 1,

"current\_ship": "Usain Boat",

"ship\_url": "https://mitcheza-api.com/ships/5645015573331968"

}

**Create a new slip**

Adds a new slip to the datastore, initialized without any ship moored to it.

**Call***: POST /slips*

**Parameters:**

“number” – Number, must be unique to the datastore

**Response:**

Status: 201 Created

{ “id”: "5663461317017600" }

**Edit a Slip**

Edits a slip that already resides in the datastore.

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

**Parameters:**

“number” – Number, must be unique to the datastore

“current\_ship” – String, Ship that is parked - (optional, must be passed with arrival\_date)

“arrival\_date” – String, Date ship arrived - (optional, but must be passed with current\_ship)

**Response:**

Status: 200 OK

**Delete a Slip**

Removes slip permanently from datastore and clears slip if moored there.

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

**Parameters:**

**Response:**

Status: 204 No Content

**Moor a ship to a slip**

Parks a ship in a slip, such that slip.current\_ship = ship.name, and slip.arrival\_date = today (date http call is made) in American format “MM/DD/YYYY”.

**Call***: POST /slips/{slip\_id}/ships/{ship\_id}*

**Parameters:**

**Response:**

Status: 200 Ok

**Remove a ship from a slip**

Unmoors a ship from its slip, putting that ship ‘to sea’.

**Call***: DELETE /slips/{slip\_id} /ships/{ship\_id}*

**Parameters:**

**Response:**

Status: 200 Ok