boat-api

Boat Example JSON

Name	Type	Description
`id`	`string`	**Required.** Auto-generated unique id
`name`	`string`	**Required.** Name of boat
`type`	`string`	**Required.** Type of boat
`length`	`int`	**Required.** Length of boat in feet
`at_sea`	`boolean`	**Required.** Default is `false`

```json
{
  "id":"kj0987a234bcdasdf12",
  "name": "Sea Witch",
  "type":"Catamaran",
  "length":28,
  "at_sea":false
}
```

Slip Example JSON

Name	Type	Description
`id`	`string`	**Required.** Auto-generated unique id
`number`	`int`	**Required.** Slip number; may not be unique
`current_boat`	`string`	ID of the current boat, null if empty
`arrival_date`	`string`	Date current boat arrived in "MM/DD/YYYY", null if empty

departure_history	[histObj]	list of previous boats and departure dates

A `histObj` is a json object that contains the `departure_date` and the ID of the `departed_boat`.

```
{ "id":"123abc",
  "number": 5,
  "current_boat":"abc555",
  "arrival_date":"1/1/2015",
  "departure_history":
    [ { "departure_date":"11/4/2014", "departed_boat":"123aaa" } ]
}
```

View a list of boats

Returns an array of boat information in JSON, including urls to each boat.

```
GET /boats
```

Response

```
Status: 200 OK

[
  {
    "url": "https://totemic-splicer-145122.appspot.com/boats/cdasdf12kj0987a23",
    "id": "cdasdf12kj0987a23",
    "name": "S.S. Awesome",
    "type": "power boat",
    "length": 18,
    "at_sea": false
  }
]
```

View a single boat

Returns information of a boat with `{boat_id}` in JSON, including the url to the boat.

```
GET /boats/{boat_id}
```

Response

```
Status: 200 OK

{
  "url": "https://totemic-splicer-145122.appspot.com/boats/kj0987a234bcdasdf15",
  "id": "kj0987a234bcdasdf15",
  "name": "S.S. Awesome",
  "type": "power boat",
  "length": 18,
  "at_sea": false
}
```

View a list of slips

Returns an array of slip information in JSON, including urls to each slp.

```
GET /slips
```

Response

```
Status: 200 OK

[
  {
    "url": "https://totemic-splicer-145122.appspot.com/boats/cdasdf12kj0987a23",
    "id":"cdasdf12kj0987a23",
    "number": 5,
    "current_boat":"kj0987a234bcdasdf1234hl",
    "arrival_date":"1/1/2015",
    "departure_history":
      [ {
        "departure_date":"11/4/2014",
        "departed_boat":"123aaa"
        }, ...
      ]
  }
```

```
    ]
```

View a single slip

Returns information of a slip with `{slip_id}` in JSON, including the url to the slip.

```
GET /slips/{slip_id}
```

Response

```
Status: 200 OK

{
  "url": "https://totemic-splicer-145122.appspot.com/slips/123abc",
  "id":"123abc",
  "number": 5,
  "current_boat":"abc555",
  "current_boat_url":"https://totemic-splicer-145122.appspot.com/boats/abc555",
  "arrival_date":"1/1/2015",
  "departure_history":
    [ {
      "departure_date":"11/4/2014",
      "departed_boat":"123aaa"
      }, ...
    ]
}
```

Create a new boat

```
POST /boats
```

Input

Name	Type	Description
name	string	**Required.** Name of boat

type	string	**Required.** Type of boat
length	int	**Required.** Length of boat in feet

Note: A new boat defaults to `true` for `at sea`, and the boat `id` is auto-generated on the server.

Request Body

```
{
  "name": "Escape",
  "type": "yacht",
  "length": 390
}
```

Response

```
Status: 201 Created

{
  "url": "https://totemic-splicer-145122.appspot.com/boats/dasdf1234hl",
  "id": "dasdf1234hl",
  "name": "Escape",
  "type": "yacht",
  "length": 390,
  "at sea": true

}
```

Create a new slip

```
POST /slips
```

Input

Name	Type	Description

number	int	**Required.** Slip number; may not be unique

Note 1: A new slip defaults to being empty. That is, `current_boat` and `arrival_date` default to `null`, and the `departure_history` is an empty array.

Note 2: The slip `id` is auto-generated on the server.

Request Body

```
{
  "number": 125
}
```

Response

```
Status: 201 Created

{
  "url": "https://totemic-splicer-145122.appspot.com/slips/456abc",
  "id":"456abc",
  "number": 125,
  "current_boat":"kj0987a234bcdasdf15",
  "arrival_date":"1/1/2015",
  "departure_history":
    [ {
      "departure_date":"11/4/2014",
      "departed_boat":"87a234bcdailkjsdf15"
      }, ...
    ]
}
```

Edit a boat

Edit a slip

Delete a boat

Delete a slip

Set a boat to sea

Set a boat to a slip

E.C.