

# boat-api

## Boat Example JSON

Name	Type	Description
id	string	<b>Required.</b> Auto-generated unique id
name	string	<b>Required.</b> Name of boat
type	string	<b>Required.</b> Type of boat
length	int	<b>Required.</b> Length of boat in feet
at_sea	boolean	<b>Required.</b> Default false

```
{ "id": "abc123",
  "name": "Sea Witch",
  "type": "Catamaran",
  "length": 28,
  "at_sea": false
}
```

## Slip Example JSON

Name	Type	Description
id	string	<b>Required.</b> Auto-generated unique id
number	int	<b>Required.</b> 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
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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": "totemic-splicer-145122.appspot.com/boats/asdf1234hlkj0987a",
    "id": "asdf1234hlkj0987a",
    "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": "totemic-splicer-145122.appspot.com/boats/asdf1234hlkj0987a",
  "id": "asdf1234hlkj0987a",
  "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 slip.

```
GET /slips
```

## Response

Status: 200 OK

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

## View the current boat in a slip

---

Return the URL to the boat the currently occupies the slip.

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

### Response

Status: 200 OK

```
{
  "url":

}
```

## Create a new boat

---

**POST** /boats

### Input

Name	Type	Description
name	string	<b>Required.</b> Name of boat
type	string	<b>Required.</b> Type of boat
length	int	<b>Required.</b> Length of boat in feet

```
{
  "name": "S.S. Brighteyes",
  "type": "canoe",
  "length": 10
}
```

### Response

**Status:** 201 Created

```
{
  "name": "S.S. Brighteyes",
  "type": "canoe",
  "length": 10
}
```

???ERROR???

Status:

```
{  
  "url":  
  
}
```

**Create a new slip**

---

**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.**

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