

# URLs for API

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Base Url - <https://cs496-rest-plan-and-implement.appspot.com>

GET /boats

This can be called with no additional data to get a listing of all registered boats.

GET /boats/{id}

This can be called with the unique id of the boat as part of the URL to get the details on a particular boat.

GET /slips

This can be called with no additional data to get a listing of all known slips.

GET /slips/{id}

This can be called with the unique id of the slip as part of the URL to get the details on a particular slip.

GET /slips/{id}/boat

This can be called with the unique id of the slip as part of the URL to get the details on the particular boat occupying the slip, or an acknowledgement that there is no boat present if that's the case.

POST /boats

This can be called, with the following data to create a new boat.

```
{
  "name": "DESIRED_BOAT_NAME_STRING",
  "type": "DESIRED_TYPE_STRING",
  "length": DESIRED_LENGTH_INT
}
```

POST /boats/{id}/slip

This can be called with the unique id of a boat in the URL, and the following data, to assign a boat to a slip.

```
{
  "slip_id": "DESIRED_SLIP_ID_STRING",
  "arrival_date": "DESIRED_DATE_STRING"
}
```

```
}
```

POST /slips

This can be called with the following data to create a new slip.

```
{  
  "number": DESIRED_SLIP_NUMBER_INT  
}
```

PUT /boats/{id}

This can be called with any combination of the following valid key/value pairs to replace the data on a particular boat, using the boat's unique id in the URL.

```
{  
  "name": "DESIRED_BOAT_NAME_STRING",  
  "type": "DESIRED_TYPE_STRING",,  
  "length": DESIRED_LENGTH_INT,  
  "at_sea": DESIRED_BOOLEAN  
}
```

PUT /slips/{id}

This can be called with any combination of the following valid key/value pairs to replace the data on a particular slip, using the slip's unique id in the URL.

```
{  
  "arrival_date": "DESIRED_DATE_STRING",  
  "number": DESIRED_SLIP_NUMBER_INT,  
  "current_boat": DESIRED_BOAT_ID_STRING  
}
```

PATCH /boats/{id}

This can be called with any SINGLE valid key/value pair to update that data about a boat, using the boat's unique id in the URL.

```
{  
  "name": "DESIRED_BOAT_NAME_STRING",  
  "type": "DESIRED_TYPE_STRING",,  
  "length": DESIRED_LENGTH_INT,  
  "at_sea": DESIRED_BOOLEAN  
}
```

PATCH /slips/{id}

This can be called with any SINGLE valid key/value pair to update that data about a slip, using the slip's unique id in the URL.

```
{  
  "arrival_date": "DESIRED_DATE_STRING",
```

```
    "number": DESIRED_SLIP_NUMBER_INT,  
    "current_boat": DESIRED_BOAT_ID_STRING  
}
```

DELETE /boats/{id}

This can be called with a boat's unique id in the URL to delete the boat.

DELETE /slips/{id}

This can be called with the slip's unique id in the URL to delete the slip.