

Ship

Attributes:

```
{
  "id": "5633226290757632"      #string(Auto-generated)
  "ship_name": "Edmund Fitzgerald" #string
  "ship_type": "Freight Liner"    #string
  "ship_length": 729              #integer
}
```

Add Ship- newly created ships start "ship_location" is "at sea"

POST /ships

Body example:

```
{
  "ship_name": "Edmund Fitzgerald", #string
  "ship_type": "Freight Liner",      #string
  "ship_length": 779                  #Integer
}
```

Response:

```
{
  "id": "5633226290757632"
}
```

Status: 201 -success

Delete Ship- deletes a ship, and empties the slip the ship was previously in, if it was in a slip, unloads cargo before deleting

DELETE /ships/{ship_id}

Response:

Status: 204 -success

Modify Ship- modify any property of the ship

PUT /ships/{ship_id}

Body:

```
{
  "ship_name": "Ghost Ship",
  "ship_type": "Passenger Carrier",
  "ship_length": 666
}
```

*if a field is not to be modified, it may be left out.

Response:

```
{ id: {ship_id} }
```

Status: 201 -success

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Assignment 3 - REST API

Simple Marina API

View Ship- view an individual ship

GET /ships/{ship_id}

Response:

```
[
  {
    "ship_name": "Lounge Lizard II",
    "ship_length": 500,
    "ship_type": "Liesure Ship",
    "id": "5639026912526336",
    "self": "http://localhost:8080/ships/5639026912526336",
    "cargo": [
      {
        "id": "5672330625810432",
        "content": "Taco Grande",
        "weight": 30,
        "self": "http://localhost:8080/cargo/5672330625810432"
      }
    ]
  }
]
Status: 200 -success
```

Ships

View Ships- view all ships

GET /ships

Response:

```
[
  {
    "ship_length": 10,
    "ship_type": "Delete Ship",
    "ship_name": "Delete",
    "id": "5071313269948416",
    "self": "http://localhost:8080/ships/5071313269948416",
    "cargo": []
  },
  {
    "ship_length": 500,
    "ship_type": "Liesure Ship",
    "ship_name": "Lounge Lizard",
    "id": "5630742793027584",
    "self": "http://localhost:8080/ships/5630742793027584",
    "cargo": []
  },
  {
    "ship_length": 500,
    "ship_type": "Liesure Ship",
    "ship_name": "Lounge Lizard II",

```

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```
"id": "5639026912526336",
"self": "http://localhost:8080/ships/5639026912526336",
"cargo": [
  {
    "id": "5672330625810432",
    "content": "Taco Grande",
    "weight": 30,
    "self": "http://localhost:8080/cargo/5737442330017792"
  }
]
}
]
Status: 200      -success
```

Cargo

View Piece of Cargo—

GET /cargo/{id}

Response:

```
[
  {
    "weight": 20,
    "delivery_date": "06-01-2018",
    "carrier": null,
    "content": "Corvoisier",
    "id": "5649684605435904",
    "self": "http://localhost:8080/cargo/5649684605435904"
  }
]
Status: 200      -success
```

View all Cargo—

GET /cargo/

Response:

```
[
  {
    "weight": 20,
    "delivery_date": "06-01-2018",
    "carrier": null,
    "content": "Corvoisier",
    "id": "5649684605435904"
  },
  {
    "carrier": {
      "id": "5071313269948416",
      "self": "http://localhost:8080/ships/5071313269948416"
    },
    "content": "Taco Grande",
    "weight": 30,
    "id": "5672330625810432"
  },
  {

```

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Simple Marina API

```
"content": "Laffy Taffy",  
"weight": 23,  
"delivery_date": "05-01-2018",  
"carrier": null,  
"id": "5708323928145920"  
}
```

```
]
```

Status: 200 -success

Create Cargo—

Post /cargo/{id}

Body:

```
{  
  "weight":23,  
  "content":"Tender Vittles",  
  "delivery_date": "05-01-2018"  
}
```

Response: {"id: 5745237494333440}

Status: 201 -success

Delete Cargo—

Delete /cargo/{id}

Response: none

Status: 204 -success

Modify Cargo—

Put /cargo/{id}

Body:

```
{  
  "weight":23,  
  "content":"Meow Mix",  
  "delivery_date": "03-01-2018"  
}
```

Response: none

Status: 201 -success

Ships and Cargo

View Cargo on Ship—

GET /ship/{ship_id}/cargo/

Response:

```
[  
  {  
    "id": "5672330625810432",  
    "content": "Taco Grande",  
    "weight": 30,  
    "self": "http://localhost:8080/cargo/5672330625810432"  
  }  
]
```

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Simple Marina API

Status: 200 success

View Piece of Cargo on Ship—

GET /ship/{ship_id}/cargo/{cargo_id}

Response:

```
[
  {
    "weight": 30,
    "carrier": {
      "id": "5639026912526336",
      "self": "http://localhost:8080/ships/5639026912526336"
    },
    "content": "Taco Grande",
    "id": "5672330625810432",
    "self": "http://localhost:8080/cargo/5672330625810432"
  }
]
```

Status: 200 -success

Add Cargo to Ship—

Post /ship/{ship_id}/cargo/{cargo_id}

Response:

```
{id: 5649684605435904}
Status: 200 -success
403 -forbidden
```

Unload Cargo from Ship—

DELETE /ship/{ship_id}/cargo/{cargo_id}

Response:

```
{id: 5672330625810432}
Status: 200 -success
```