

Login accounts:

username:	ralph.wiggim@simpson.com
password:	abc123456*
username:	me.name@foo.bar
password:	abc123456*
username:	chachi@thekid.com
password:	abc123456*

GET

GET /ships

Description: Displays all ships
Headers: Content-Type: application/json or text/html
Authorization: Not required
Response:

```
{
  "items": [
    {
      "type": "Motor Boat",
      "length": 25,
      "owner": "chachi@thekid.com",
      "name": "Happy Days",
      "id": "5672330625810432",
      "self": "http://jwt-111218.appspot.com/ships/5672330625810432"
    },
    {
      "length": 18,
      "owner": "ralph.wiggim@simpson.com",
      "name": "Doh!",
      "type": "Sail Boat",
      "id": "5676073085829120",
      "self": "http://jwt-111218.appspot.com/ships/5676073085829120"
    },
    {
      "type": "Cruise ship",
      "length": 952,
      "owner": "me.name@foo.bar",
      "name": "Costa Concordia",
      "id": "5739407210446848",
      "self": "http://jwt-111218.appspot.com/ships/5739407210446848"
    }
  ]
}
```

Codes: Success: 200
Improper Accepts: 406

GET /ships/{id}

Description: Displays a single ship
Authorization: Required Bearer Token: id_token
Response:

```
[
  {
    "length": 18,
    "owner": "ralph.wiggim@simpson.com",
    "name": "Doh!",
    "type": "Sail Boat",
    "id": "5676073085829120",
    "self": "http://jwt-111218.appspot.com/ships/5676073085829120"
  }
]
```

Codes: Success: 200
Improper Accepts: 406
Forbidden: 403
Invalid JWT: 401

GET /users/{id}/ships

Description: Displays all of the owners ships
Authorization: Required Bearer Token: id_token
Headers: Content-Type: application/json
Accept: application/json

Response:

```
{
  "items": [
    {
      "length": 25,
      "owner": "chachi@thekid.com",
      "name": "Happy Days",
      "type": "Motor Boat",
      "id": "5672330625810432",
      "self": "http://jwt-111218.appspot.com/ships/5672330625810432"
    }
  ]
}
```

Codes: Success: 200
Improper Accepts: 406

Forbidden: 403
Invalid JWT: 401

POST

POST /ships

Description: Creates a new ship
Authorization: Required Bearer Token: id_token

Body:

```
{  
  "name": "delete me",  
  "type": "delete boat",  
  "length": 70  
}
```

Response:

```
{ "self": "http://jwt-111218.appspot.com/ships/5657082955038720" }
```

Codes: Created: 201
Invalid JWT: 401

DELETE

DELETE /ships/{id}

Description: Deletes a ship
Authorization: Required Bearer Token: id_token

Response: None

Codes: Success: 204
Non-owner trying to delete ship: 403
Invalid JWT: 401

Login

POST /login

Description: Login to get authorization and authentication
Headers: Content-Type: application/json

Body:

```
{  
  "username": "me.name@foo.bar",  
  "password": "abc123456*"  
}
```

Response:

```
{  
  "access_token":  
  "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6Ikp1c2VudWpFMFFqZEJSV
```

E13TIRjeVFrVkrSa1UwTnprNFFVUkRRRVUZCTUVJeE56RXpPQSJ9.eyJpc3MiOiJodH
RwcZovL3doaXRIZDYuYXV0aDAuY29tLyIsInN1Yil6ImF1dGgwDViZWNmYzNkNm0Z
Tg0N2U3Mzg5MTBhYSIsImF1ZCI6WyJodHRwcZovL3doaXRIZDYuYXV0aDAuY29tL2F
wS92Mi8iLCJodHRwcZovL3doaXRIZDYuYXV0aDAuY29tL3VzZXJpbmZvll0slmlhdCI6
MTU0MjUwMzA5MywiZXhwIjoxNTQyNTg5NDkzLCJhenAiOiJ1UjBnakVHa3MzTFNVSI
FhaTJrWjhVTjg4WmQ5bjcxTylsInNjb3Blljoib3BlbmklIHByb2ZpbGUuZW1haWwgYWRRk
cmVzcyBwaG9uZSByZWFKOmN1cnJlbnRfdXNlciB1cGRhdGU6Y3VycmVudF91c2VyX
21ldGFkYXRhIGRlbgV0ZTpdXJyZW50X3VzZXJfbWV0YWRhdGEgY3JlYXRIOmN1cn
JlbnRfdXNlcl9tZXRhZGF0YSBjcmlVhdGU6Y3VycmVudF91c2VyX2RldmJlZV9jcmVkJW
50aWFscyBkZWxldGU6Y3VycmVudF91c2VyX2RldmJlZV9jcmVkJW50aWFscyB1cGRh
dGU6Y3VycmVudF91c2VyX2lkZW50aXRpZXMiLCJndHkiOiJwYXNzd29yZCJ9.G_UJ-
AyMROEt7qqF6clgOzJ6_rdkKJDQYOFcw-
W4w3zUffC5cNPIlrEgoiw3D0tul3Hbec3yVF2dxddib9tzrdyot2Okymwp1wLIYV0czw_jT3
kfW0YS79ITxoA0GoAbAiQse885UjcjceqsMswAHaof-PO-
dd_Ah9snln55W_loVtW5lwRDanDt-
TUY3pG45kTp7zA4sTEF19LeEh05x85qIglNmYhMbuSzk0lk2Yg0djvnX8KYW86BXSG
wPvRyDZhbxq-1bk3LKeq0Z-woZ_36HM19euw3rZvPsd3E_2viS66S-
UToMgCo_iEPQERylxBNkXd90clHfYDI-E3sLg",

"eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6Ikk1qTXdOVU16UWpFMFFqZEJSVE13TIRjeVFrdmFtZWUubmFtZUBmb28uYmFyYiwicGljdHvyZSI6Imh0dHBzOi8vcy5ncmF2YXRhci5jb20vYXZhZGFyLzc0NzE3ZTAyZjAwMGQOMWUwZGlzNTZiYjA3ZGU5OGE3P3M9NDgwJnl9cGcmZD1odHRwcyUzQSUYRiUyRmNkbi5hdXRoMC5jb20IMkZhdmF0YXJzJTJGbWUucG5nliwidXBkYXRIZF9hdC6ljlwMTgtMETtMThUMDE6MDQ6NTMuOTUzWilsImVtYWlsIjoibWUubmFtZUBmb28uYmFyYiwiZW1haWxfdmVyaWZpZWQiOnRydWUsImlzcyUl6Imh0dHBzOi8vd2hpdGVkNi5hdXRoMC5jb20vliwic3ViljoiYXV0aDB8NWJIY2ZjM2Q3MzRIODQ3ZTczODkxMGFhliwiYXVkljoidVlwZ2pFR2tzM0xTVUpRYWkyY04VU44OFpkOW43MU8iLCJpYXQiOiE1NDI1MDMwOTMsImV4cCI6MTU0MjUzOTA5M30.z3csO1O3zmLtCMmVa0ITWEFVmnYJfLraXglDuAycRwjaLqROLJ4JBnt9O8U-4WrDupoRPPEteHTQ392A_FqWcvJbGlt72fyXPZ88Wv0R_pPLCM7_JS7fMWciEmVWsrmQIHIEk6p1rxq0TLfgBHIkiyQhRryBbpPQG_Ioyqep9nvrJF8F4GU-cizkfa4oJzRccoJTGCOawjpKhMTJoKFmcpsqzMhgHUSkbZG31ZICk-kBm8muVixmcRZC-

TBZLmMFoPvVIE6LJAVc5mtNyizKEe9Gm47nYyyh8XOZMm6oUcdZhYkljpD0uvA9jl7L
ABub5mxfiGBjy-JIn_bS6bhZQ",

```
"scope": "openid profile email address phone read:current_user
update:current_user_metadata delete:current_user_metadata
create:current_user_metadata create:current_user_device_credentials
delete:current_user_device_credentials update:current user identities".
```

```
"expires_in": 86400,
```

```
"token_type": "Bearer"
```

}

Codes:

Success: 200

Unauthorized: 401

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Week 7 - More Authentication and Authorization
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