Campsite_Reservation_REST_API_Spring Boot-Junit-Mockito

Campsite_Reservation Web Services Application. This project is build in Spring boot 2 + Rest API + Junit and Mockito

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Steps :

mvn clean

mvn test

mvn clean install

Go to the target folder

java -jar Campsite_Reservation_App-0.0.1-SNAPSHOT.jar

Verify your RESTful call. URL :

1. Get request for Available dates : localhost:8080/campsite/dates

Response :

```
{
"responseCode": 200,
"responseMessage": "Availabe Dates successfully fetched..!",
"errorDiscription": null,
"httpHeaders": null,
"responseObject": "[Nov 13] [Nov 14] [Nov 15] [Nov 16] [Nov 17] [Nov 18] [Nov 19] [Nov 20] [Nov 21] [Nov 22] [Nov 23] [Nov 24] [Nov 25] [Nov 26] [Nov 27] [Nov 28] [Nov 29] [Nov 30] [Dec 01] [Dec 02] [Dec 03] [Dec 04] [Dec 05] [Dec 06] [Dec 07] [Dec 08] [Dec 09] [Dec 10] [Dec 11] [Dec 12] ",
"error": false
```

}

2) Post request for Resevation : localhost:8080/campsite/reservation

Input Request :

{ "name":"Ashish Patel", "emailAddress":"patel.ashish610@gmail.com", "startDate":"2018-11-13", "endDate":"2018-11-14" }

Response :

{ "responseCode": 200, "responseMessage": "The Campsite reservation successfully created..! The ReservationId is :-> 4", "errorDiscription": null, "httpHeaders": { "Location": ["http://localhost:8080/campsite/reservation"] }, "responseObject": null, "error": false }

3) Update request for Modify Reservation : localhost:8080/campsite/reservation/3

Input Request :

{ "name":"ashish patel1234", "emailAddress":"ashish.patel@gmail.com", "startDate":"2018-11-15", "endDate":"2018-11-16" }

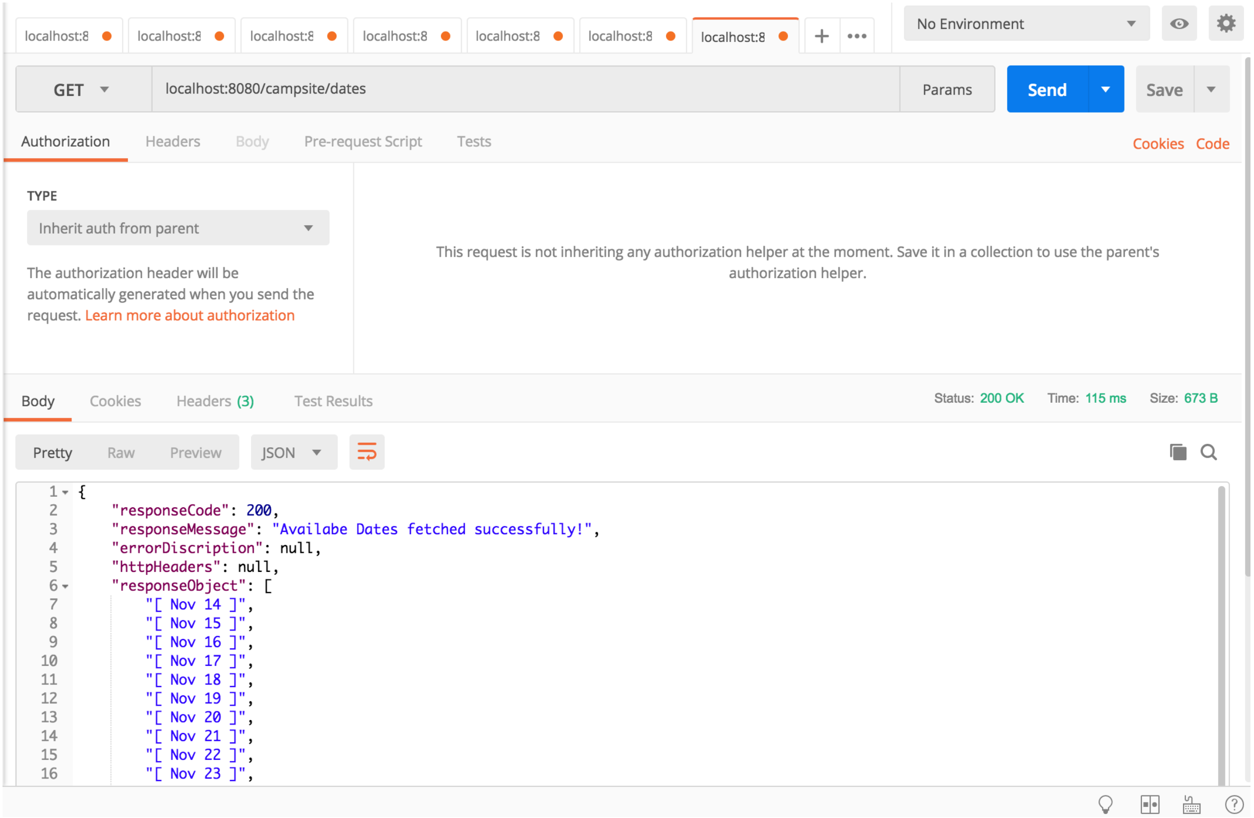
Response :

{ "responseCode": 200, "responseMessage": "Your reservation has been modified successfully..! ", "errorDiscription": null, "httpHeaders": { "Location": ["http://localhost:8080/campsite/reservation/3"] }, "responseObject": null, "error": false }

4) Delete request for Delete Reservation : localhost:8080/campsite/reservation/3

Screen Shot :

1) Get request for Available dates



localhost:8080/campsite/dates

TYPE

Inherit auth from parent

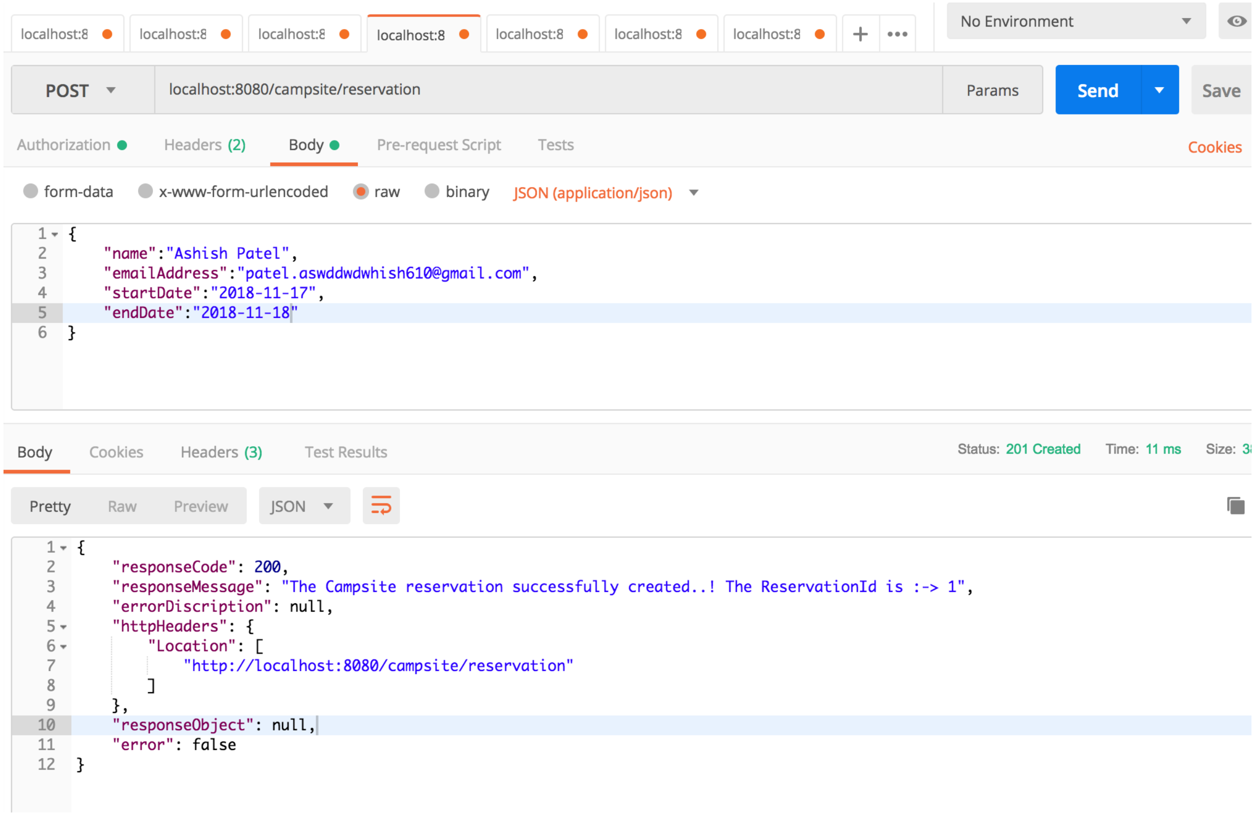
The authorization header will be automatically generated when you send the request. Learn more about authorization

This request is not inheriting any authorization helper at the moment. Save it in a collection to use the parent's authorization helper.

Status: 200 OK Time: 115 ms Size: 673 B

```
{
    "responseCode": 200,
    "responseMessage": "Availabe Dates fetched successfully!",
    "errorDiscription": null,
    "httpHeaders": null,
    "responseObject": [
        "[ Nov 14 ]",
        "[ Nov 15 ]",
        "[ Nov 16 ]",
        "[ Nov 17 ]",
        "[ Nov 18 ]",
        "[ Nov 19 ]",
        "[ Nov 20 ]",
        "[ Nov 21 ]",
        "[ Nov 22 ]",
        "[ Nov 23 ]",
```

2) Post request for create reservation :



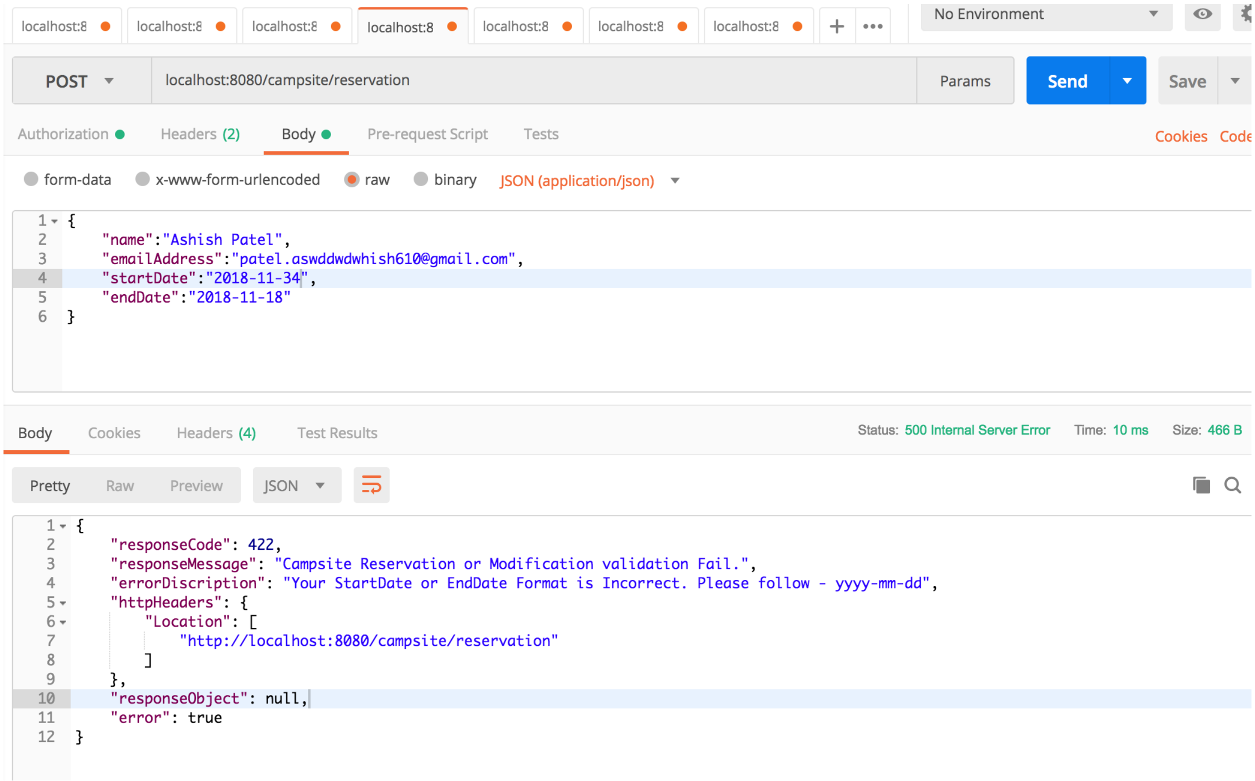
POST localhost:8080/campsite/reservation

Body: ● raw — JSON (application/json)

```
{
    "name":"Ashish Patel",
    "emailAddress":"patel.aswddwdwhish610@gmail.com",
    "startDate":"2018-11-17",
    "endDate":"2018-11-18"
}
```

Status: 201 Created Time: 11 ms Size: 3

```
{
    "responseCode": 200,
    "responseMessage": "The Campsite reservation successfully created..! The ReservationId is :-> 1",
    "errorDiscription": null,
    "httpHeaders": {
        "Location": [
            "http://localhost:8080/campsite/reservation"
        ]
    },
    "responseObject": null,
    "error": false
}
```



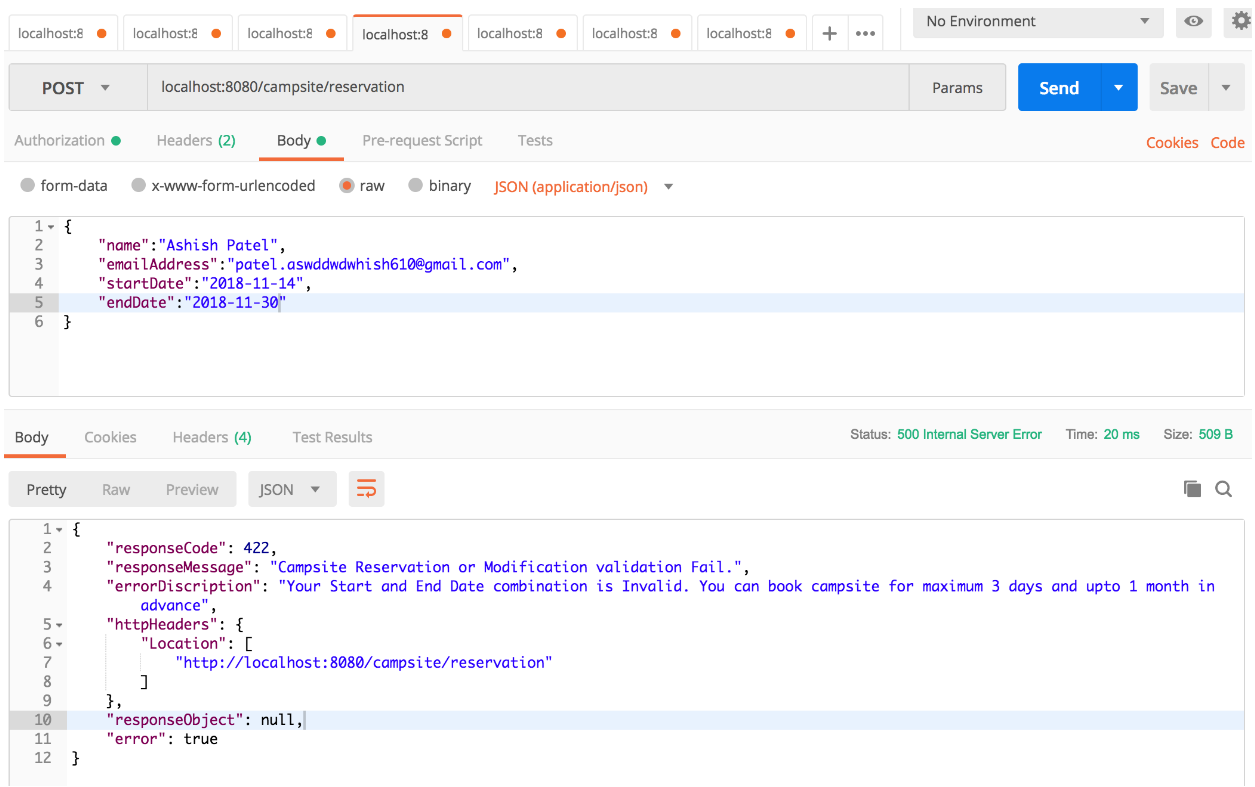
POST localhost:8080/campsite/reservation

Body: ● raw — JSON (application/json)

```
{
    "name":"Ashish Patel",
    "emailAddress":"patel.aswddwdwhish610@gmail.com",
    "startDate":"2018-11-34",
    "endDate":"2018-11-18"
}
```

Status: 500 Internal Server Error Time: 10 ms Size: 466 B

```
{
    "responseCode": 422,
    "responseMessage": "Campsite Reservation or Modification validation Fail.",
    "errorDiscription": "Your StartDate or EndDate Format is Incorrect. Please follow - yyyy-mm-dd",
    "httpHeaders": {
        "Location": [
            "http://localhost:8080/campsite/reservation"
        ]
    },
    "responseObject": null,
    "error": true
}
```



POST localhost:8080/campsite/reservation

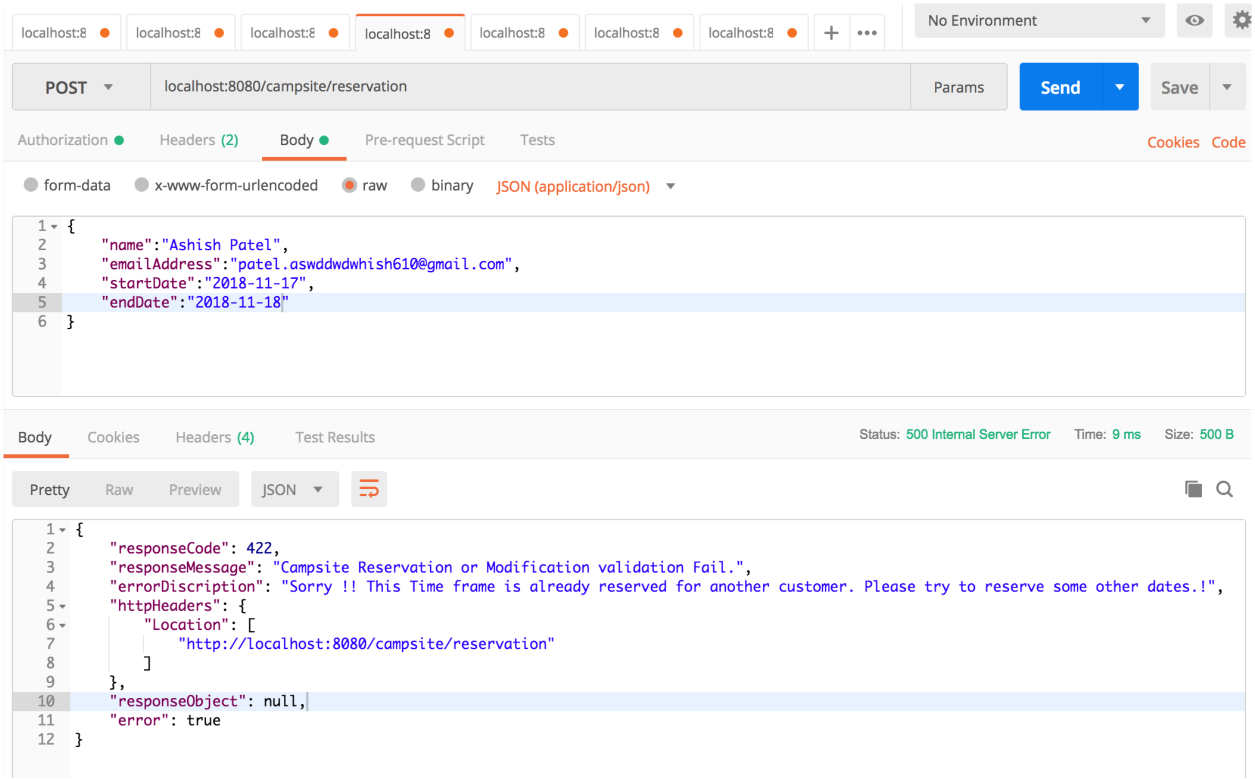
● raw JSON (application/json)

```
{
    "name":"Ashish Patel",
    "emailAddress":"patel.aswddwdwhish610@gmail.com",
    "startDate":"2018-11-14",
    "endDate":"2018-11-30"
}
```

Status: 500 Internal Server Error Time: 20 ms Size: 509 B

JSON

```
{
    "responseCode": 422,
    "responseMessage": "Campsite Reservation or Modification validation Fail.",
    "errorDiscription": "Your Start and End Date combination is Invalid. You can book campsite for maximum 3 days and upto 1 month in
        advance",
    "httpHeaders": {
        "Location": [
            "http://localhost:8080/campsite/reservation"
        ]
    },
    "responseObject": null,
    "error": true
}
```



POST localhost:8080/campsite/reservation

● raw JSON (application/json)

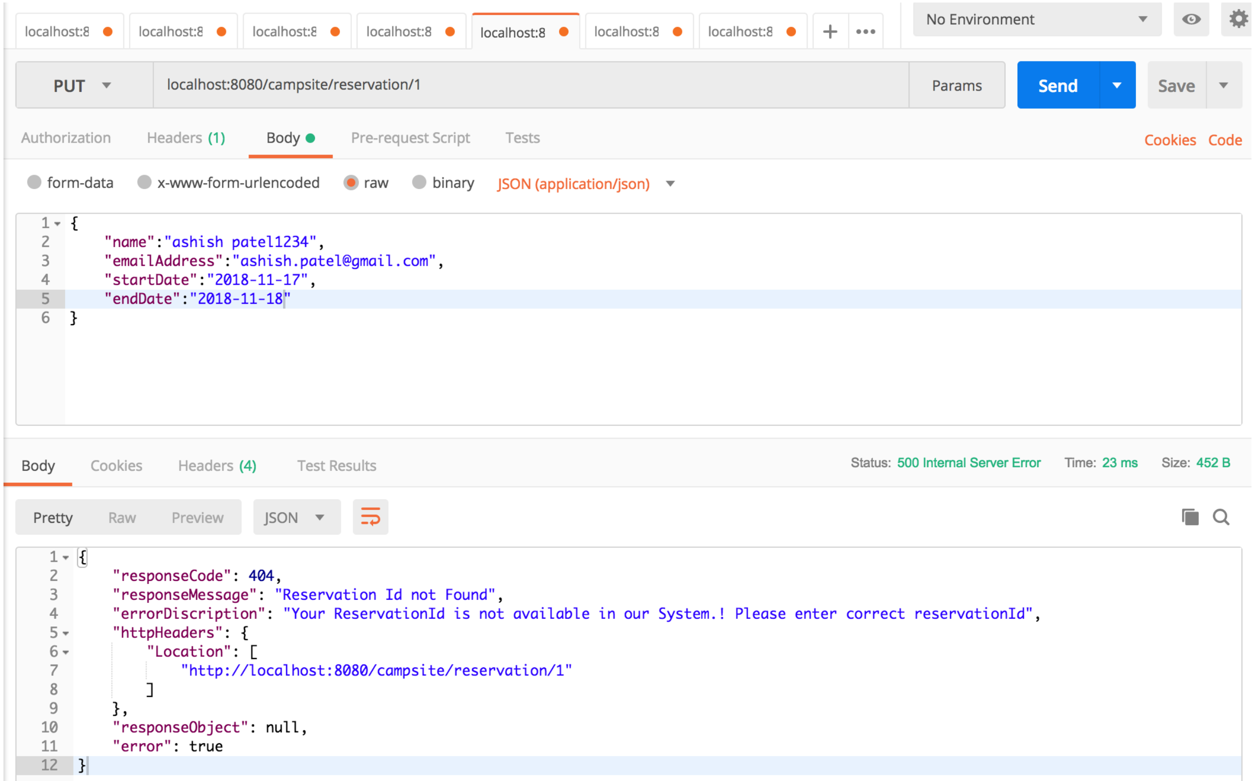
```
{
    "name":"Ashish Patel",
    "emailAddress":"patel.aswddwdwhish610@gmail.com",
    "startDate":"2018-11-17",
    "endDate":"2018-11-18"
}
```

Status: 500 Internal Server Error Time: 9 ms Size: 500 B

JSON

```
{
    "responseCode": 422,
    "responseMessage": "Campsite Reservation or Modification validation Fail.",
    "errorDiscription": "Sorry !! This Time frame is already reserved for another customer. Please try to reserve some other dates.!",
    "httpHeaders": {
        "Location": [
            "http://localhost:8080/campsite/reservation"
        ]
    },
    "responseObject": null,
    "error": true
}
```

3) Put request for update reservation :

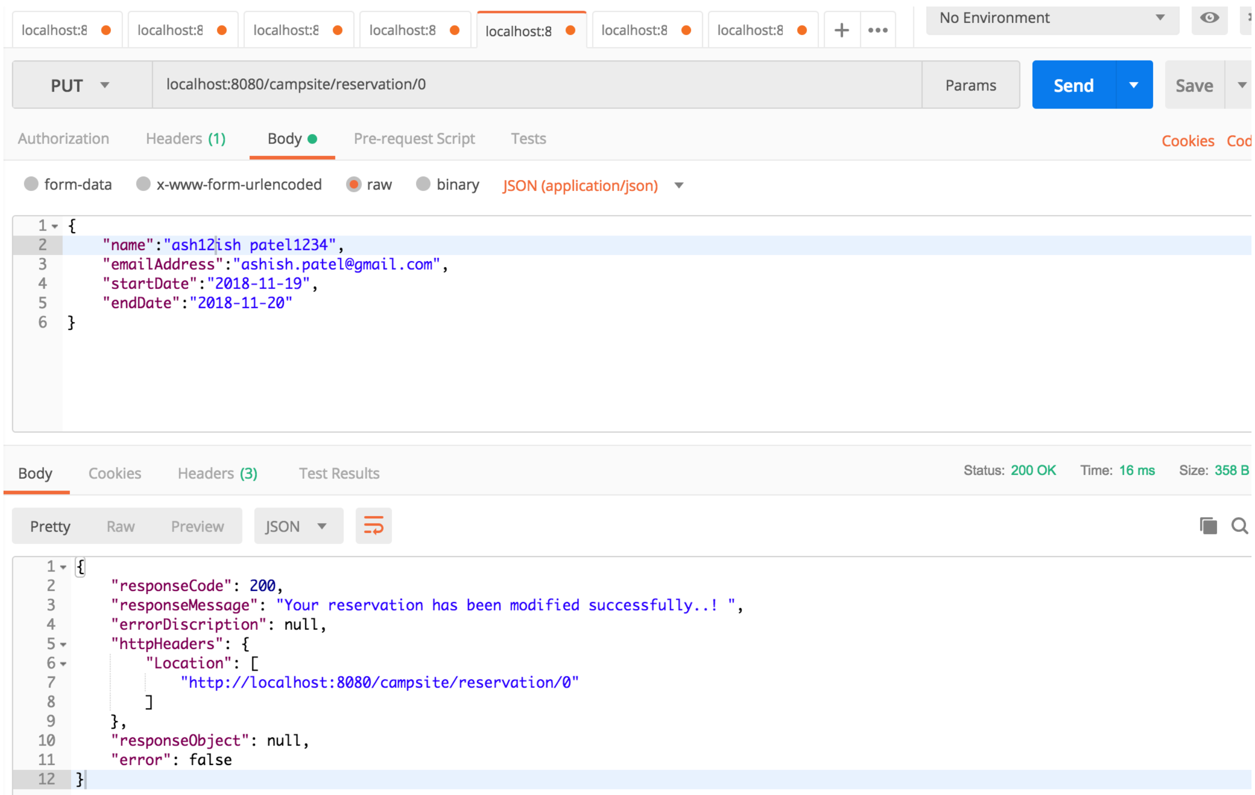


PUT localhost:8080/campsite/reservation/1

```
{
    "name":"ashish patel1234",
    "emailAddress":"ashish.patel@gmail.com",
    "startDate":"2018-11-17",
    "endDate":"2018-11-18"
}
```

Status: 500 Internal Server Error Time: 23 ms Size: 452 B

```
{
    "responseCode": 404,
    "responseMessage": "Reservation Id not Found",
    "errorDiscription": "Your ReservationId is not available in our System.! Please enter correct reservationId",
    "httpHeaders": {
        "Location": [
            "http://localhost:8080/campsite/reservation/1"
        ]
    },
    "responseObject": null,
    "error": true
}
```



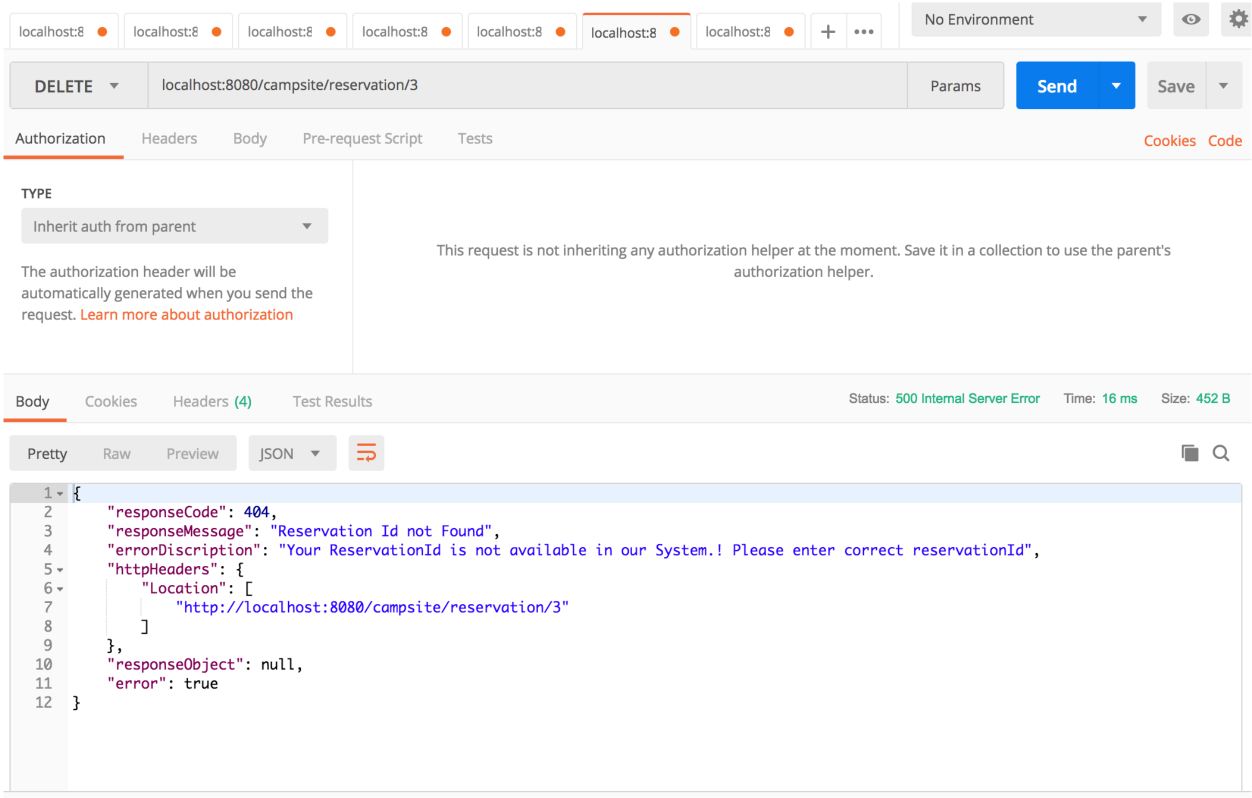
PUT localhost:8080/campsite/reservation/0

```
{
    "name":"ash12ish patel1234",
    "emailAddress":"ashish.patel@gmail.com",
    "startDate":"2018-11-19",
    "endDate":"2018-11-20"
}
```

Status: 200 OK Time: 16 ms Size: 358 B

```
{
    "responseCode": 200,
    "responseMessage": "Your reservation has been modified successfully..! ",
    "errorDiscription": null,
    "httpHeaders": {
        "Location": [
            "http://localhost:8080/campsite/reservation/0"
        ]
    },
    "responseObject": null,
    "error": false
}
```

4) Delete request for cancel reservation :



DELETE localhost:8080/campsite/reservation/3

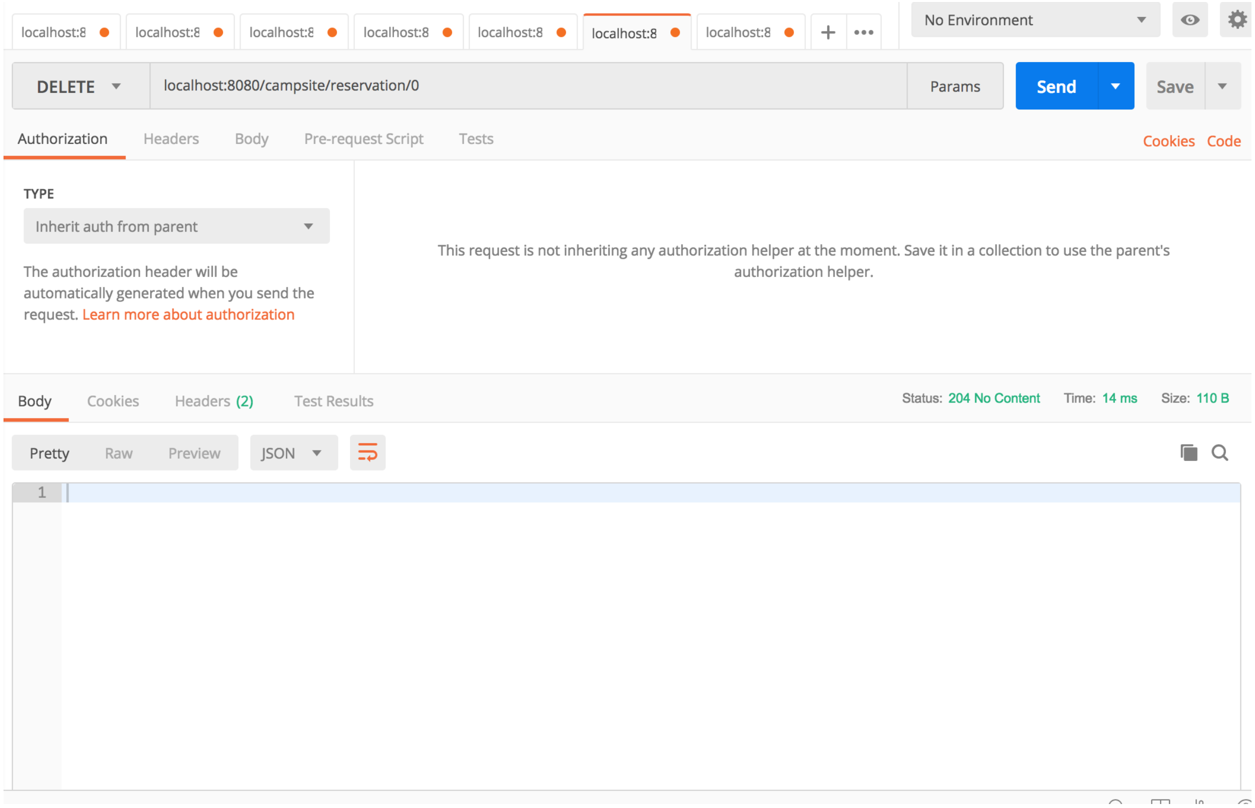
TYPE: Inherit auth from parent

The authorization header will be automatically generated when you send the request. Learn more about authorization

This request is not inheriting any authorization helper at the moment. Save it in a collection to use the parent's authorization helper.

Status: 500 Internal Server Error Time: 16 ms Size: 452 B

```
{
    "responseCode": 404,
    "responseMessage": "Reservation Id not Found",
    "errorDiscription": "Your ReservationId is not available in our System.! Please enter correct reservationId",
    "httpHeaders": {
        "Location": [
            "http://localhost:8080/campsite/reservation/3"
        ]
    },
    "responseObject": null,
    "error": true
}
```



DELETE localhost:8080/campsite/reservation/0

TYPE: Inherit auth from parent

The authorization header will be automatically generated when you send the request. Learn more about authorization

This request is not inheriting any authorization helper at the moment. Save it in a collection to use the parent's authorization helper.

Status: 204 No Content Time: 14 ms Size: 110 B