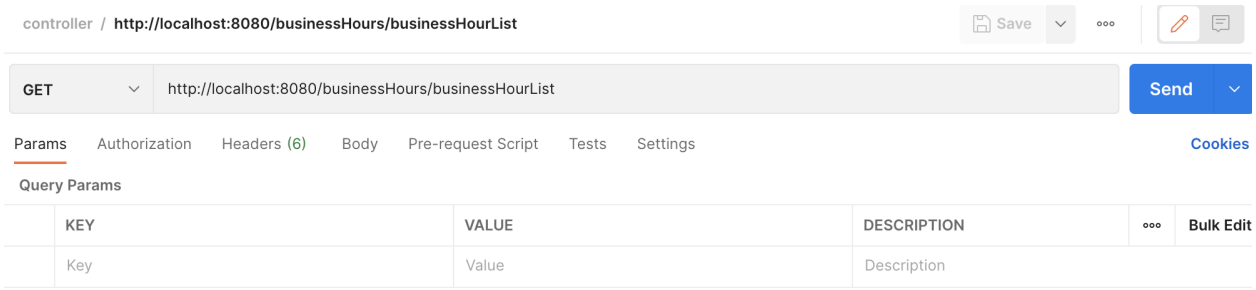
Integration tests for RESTful services

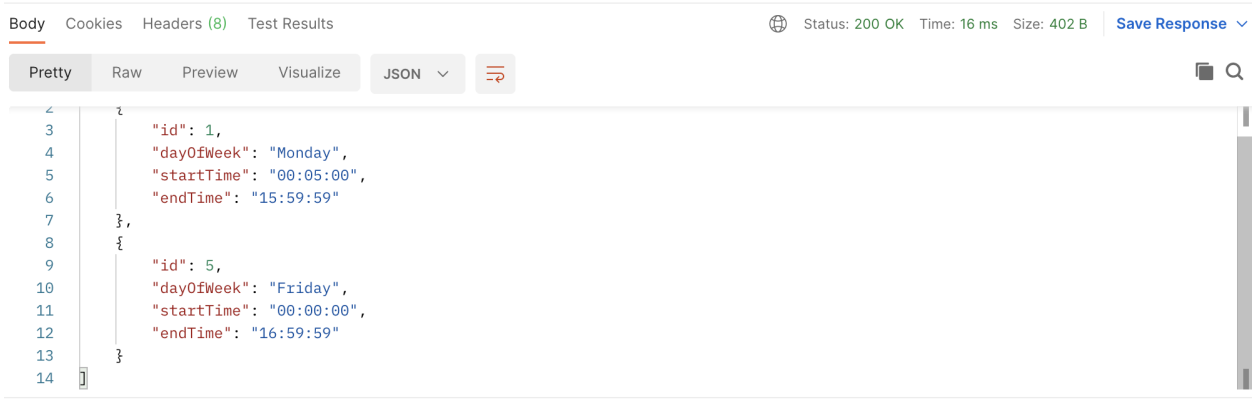
Abstract:

This document records tests mocking a normal use process in reality. Results are presented using screenshots of Postman.

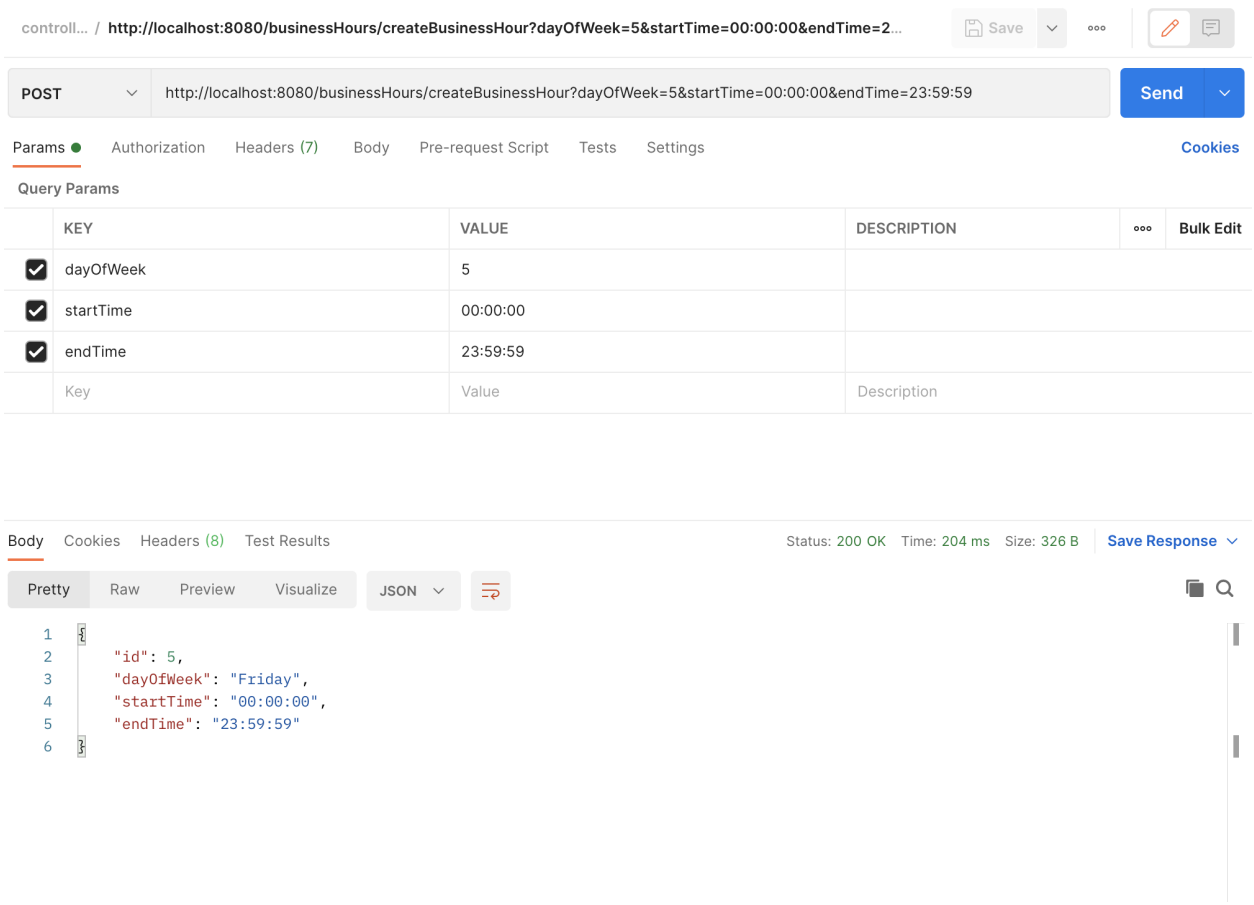
REST Services:

1. `getAllBusinessHours`

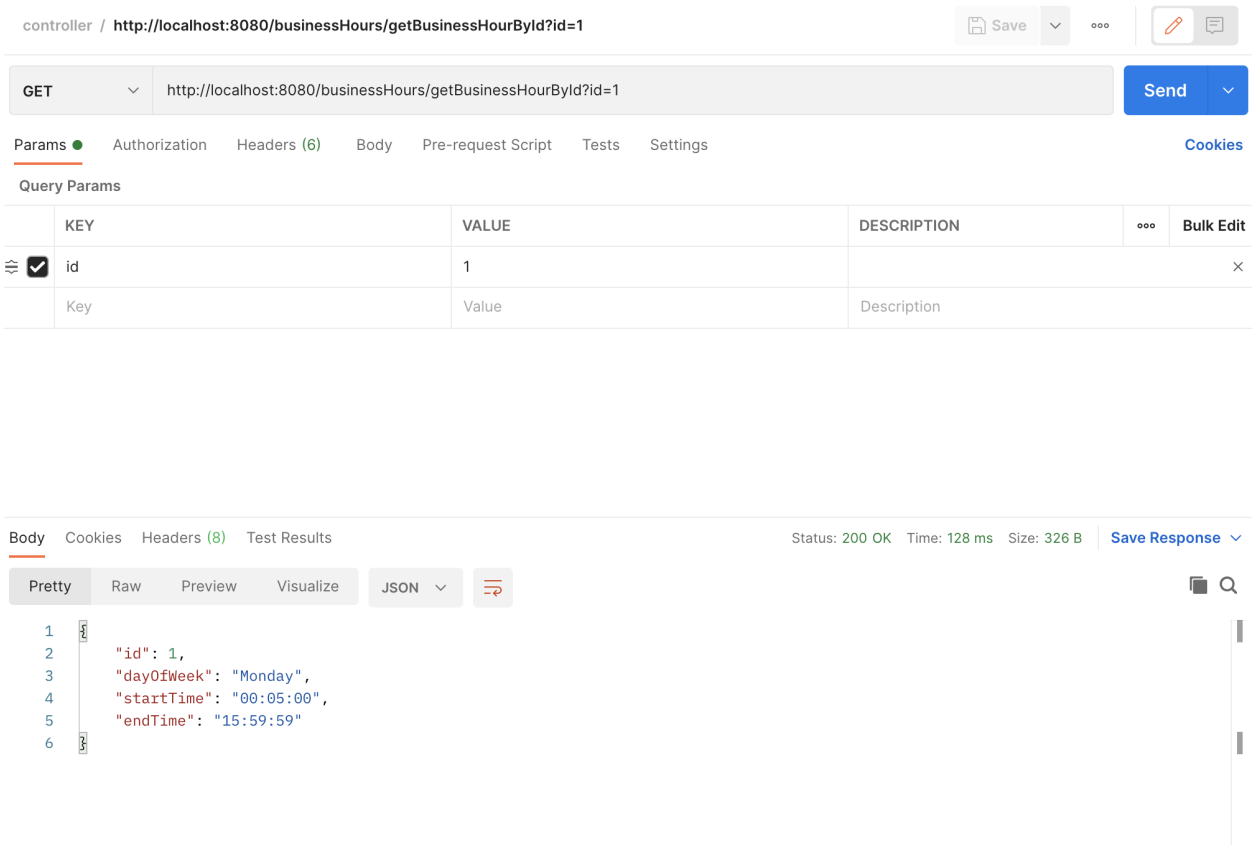




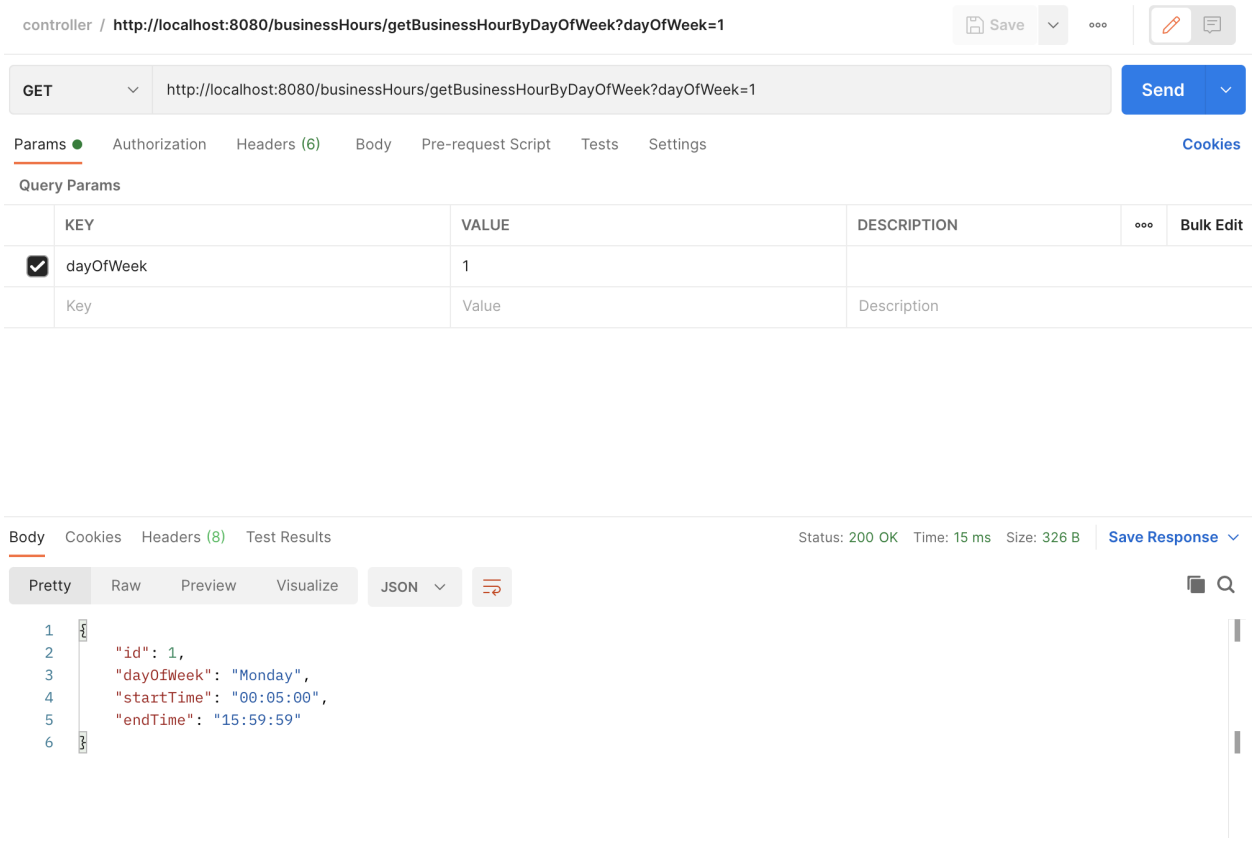
2. `createBusinessHour`



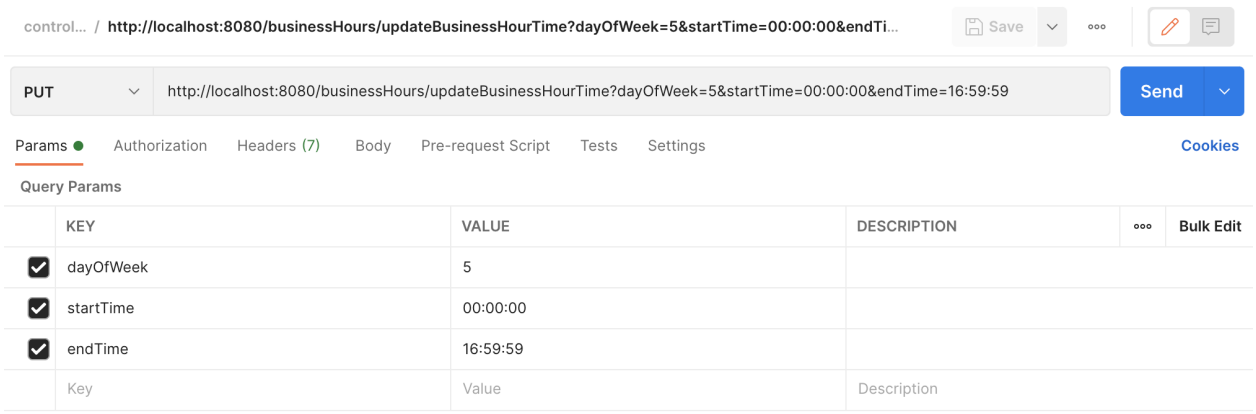
3. `getBusinessHourById`

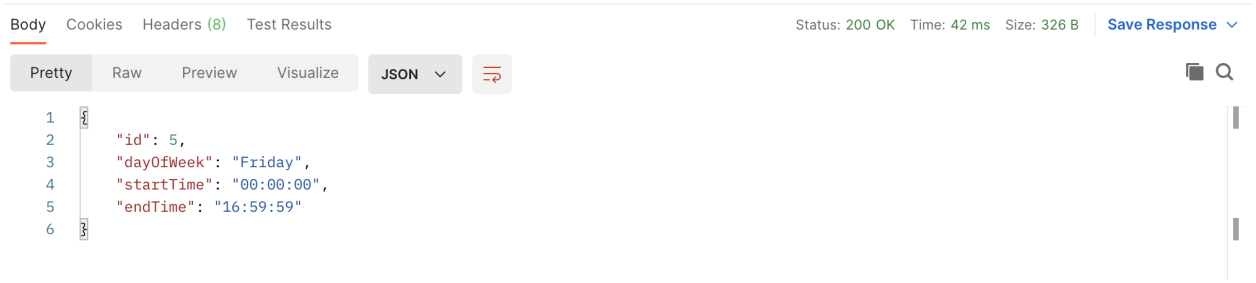


4. `getBusinessHourByDayOfWeek`

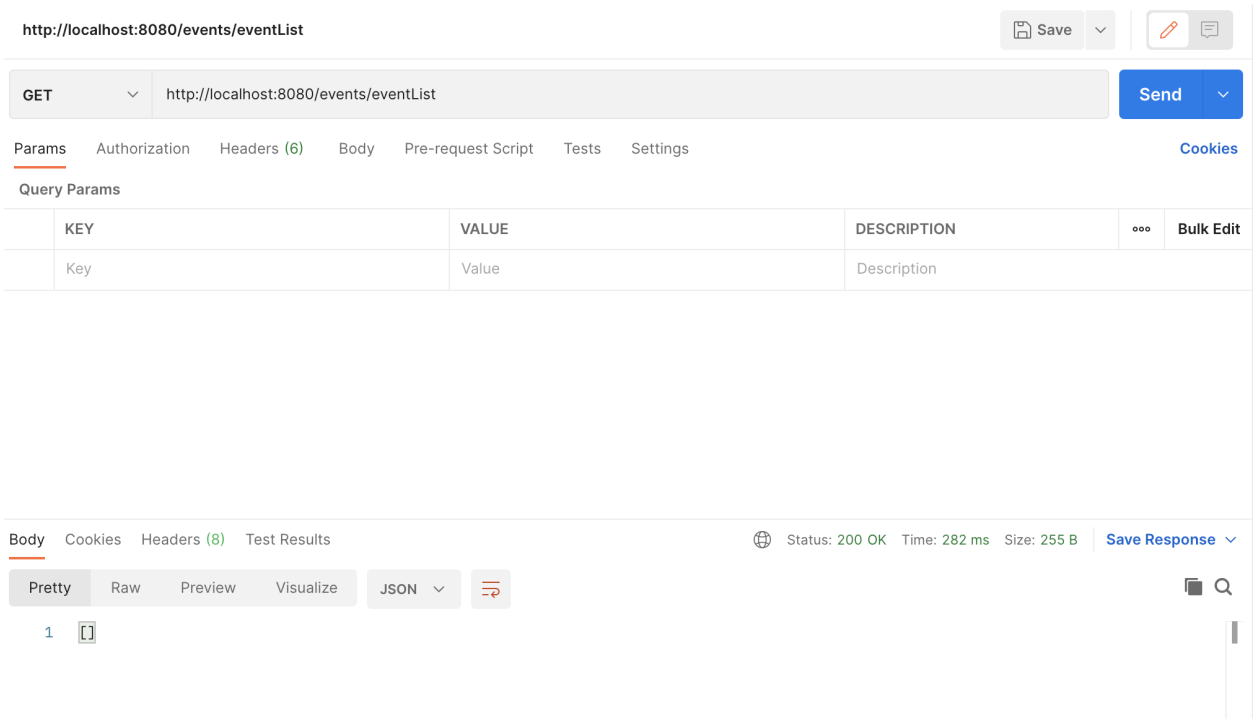


5. `updateBusinessHourTime`

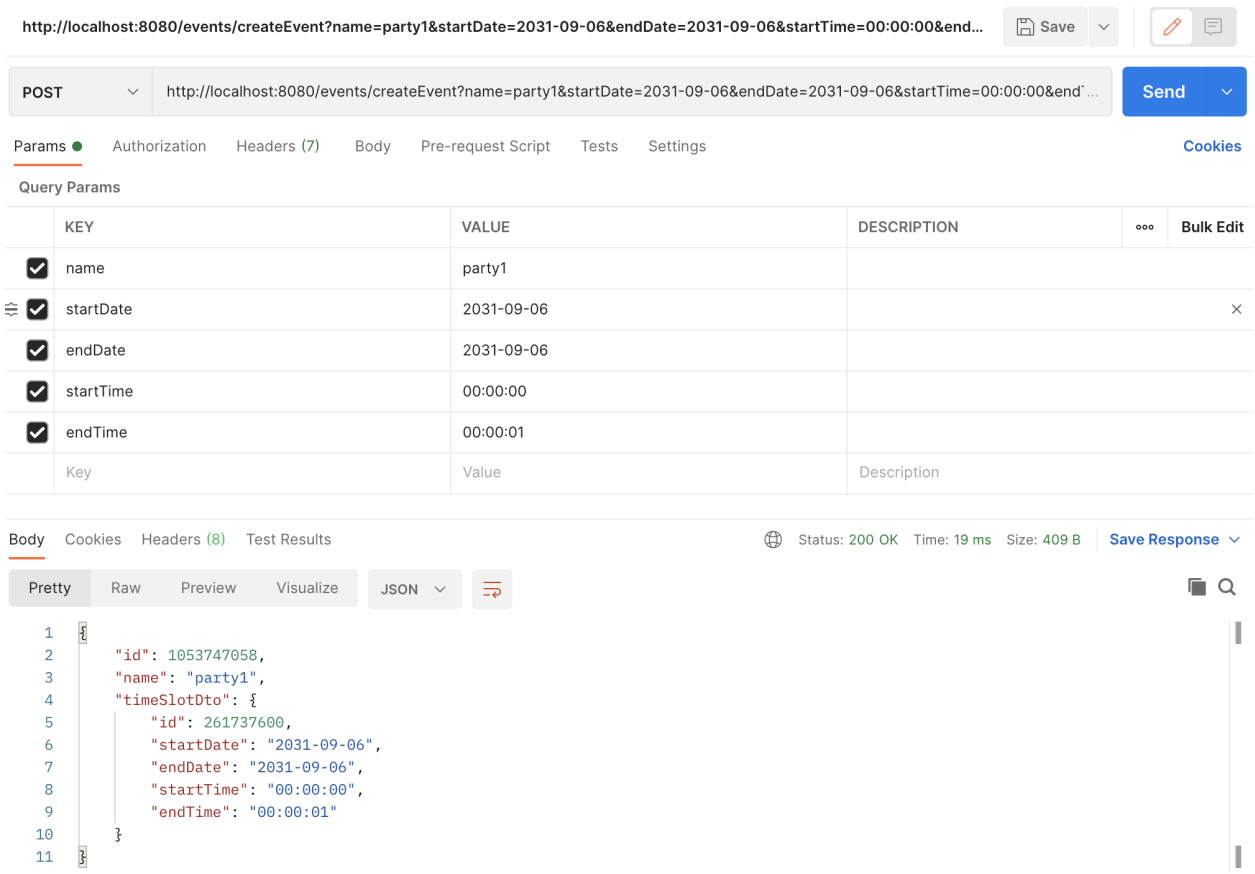




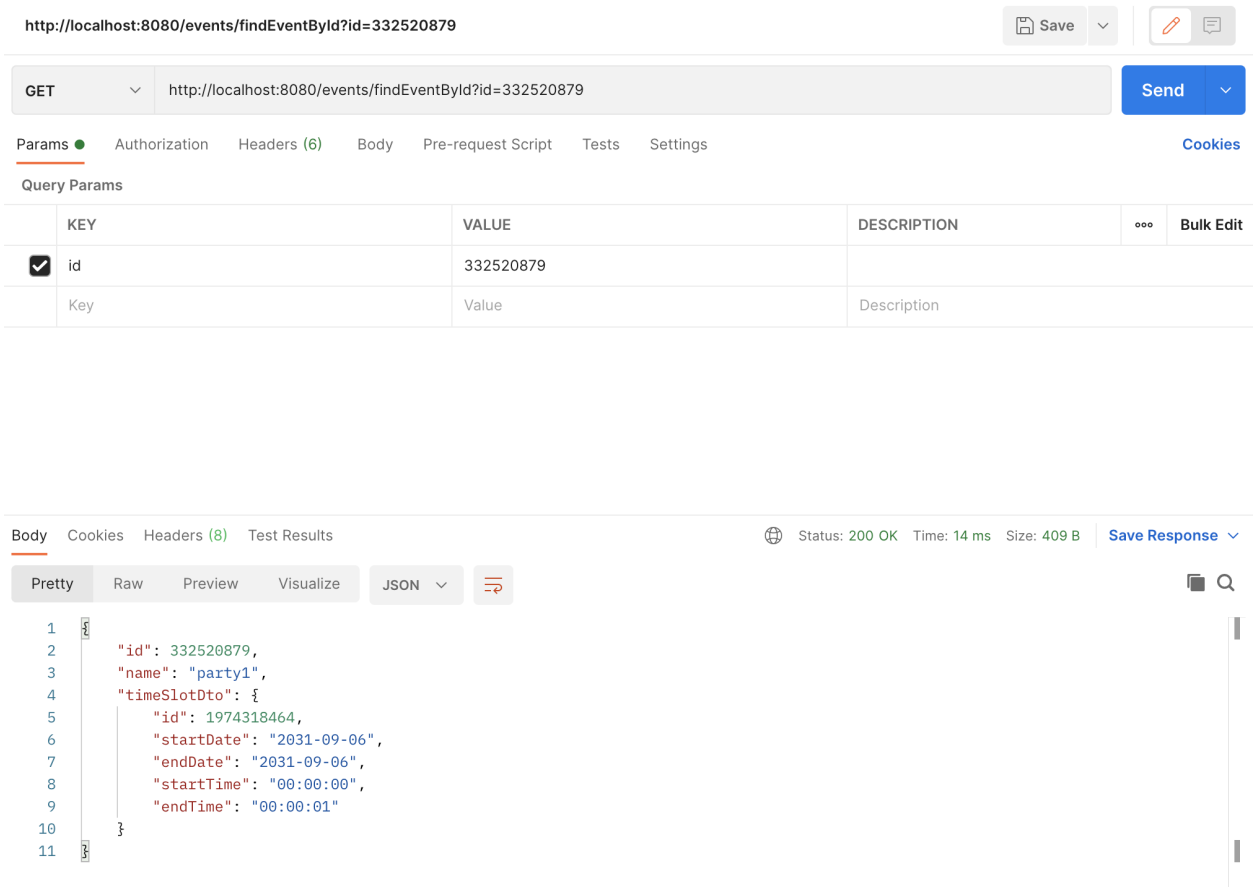
6. `getAllEvents`



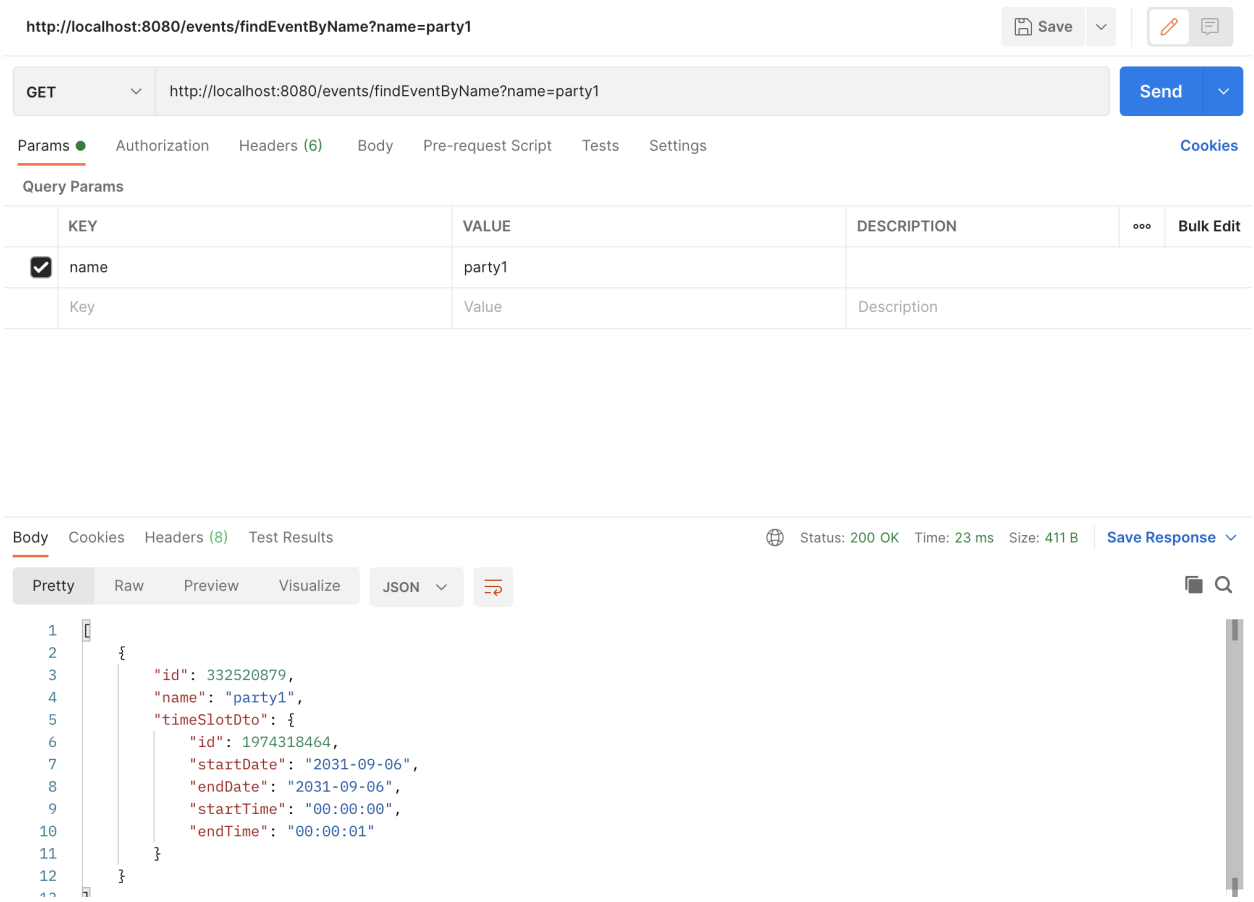
7. `createEvent`



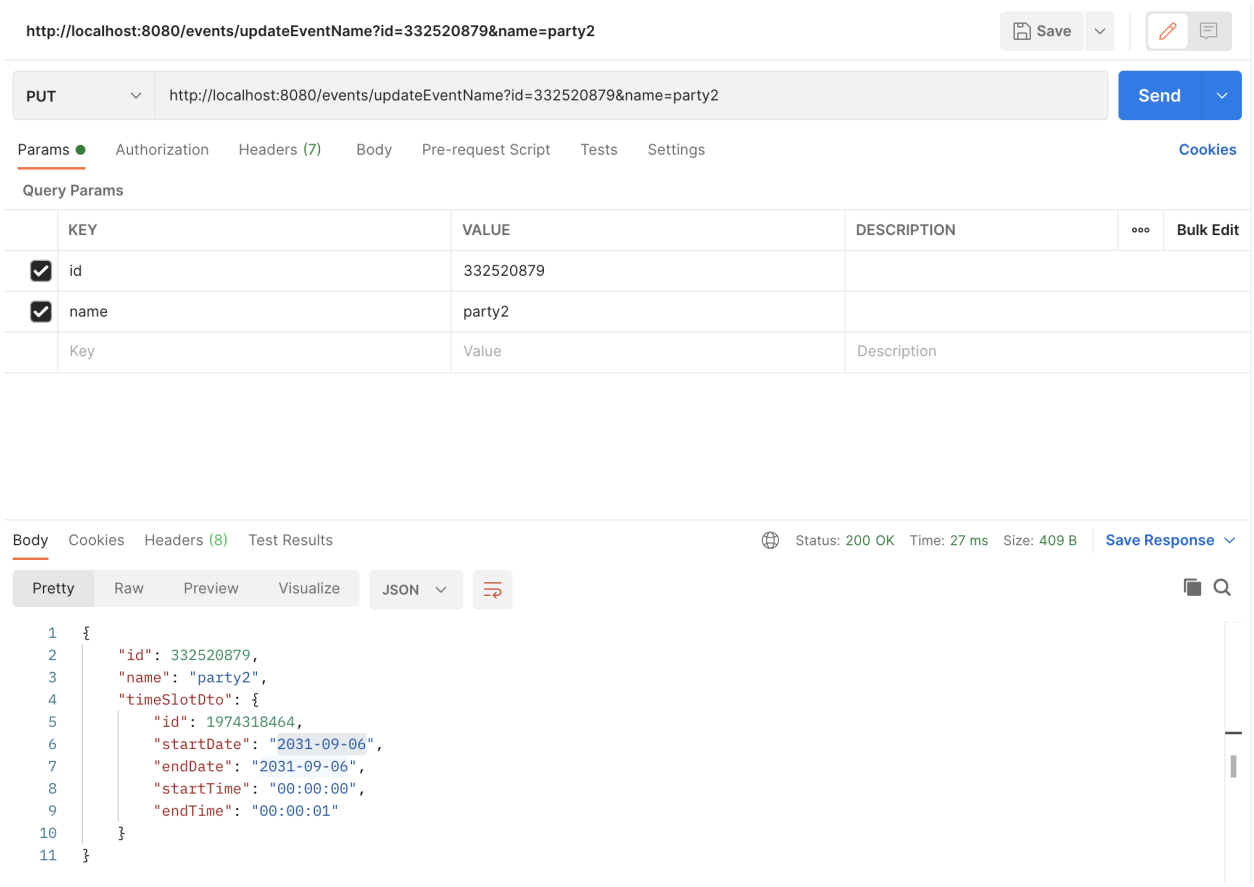
8. `getEventById`



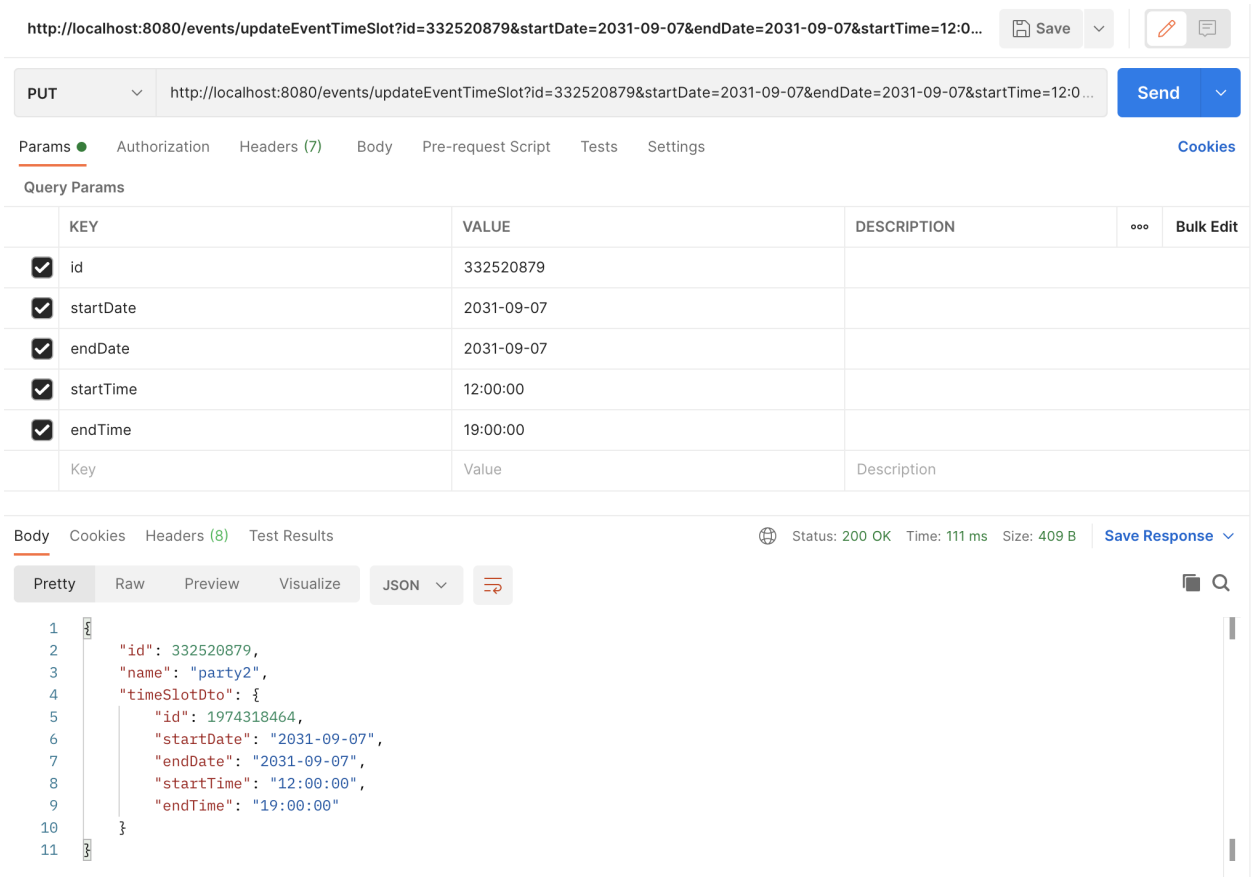
9. `getEventByName`



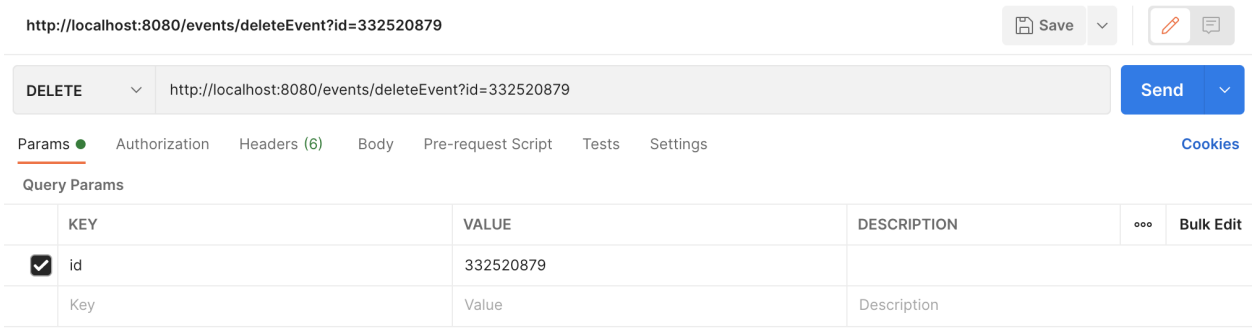
10. `updateEventName`

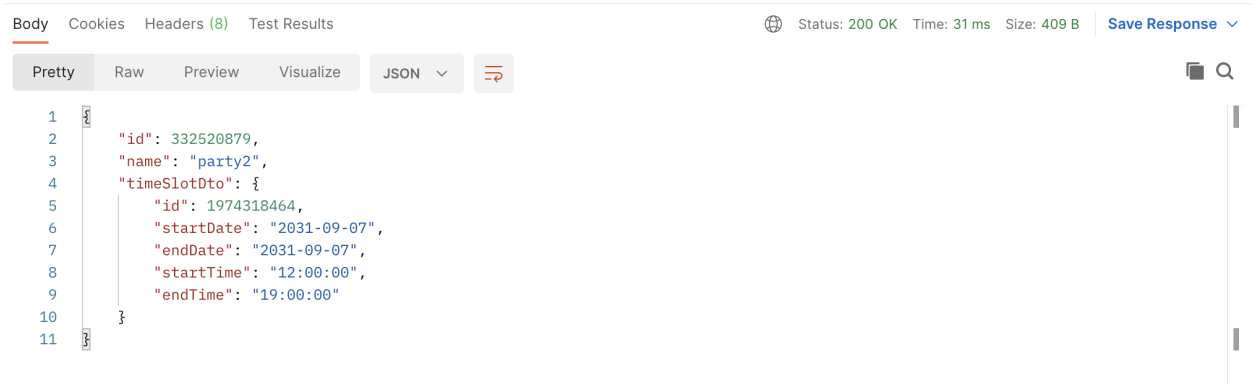


11. `updateEventTimeSlot`

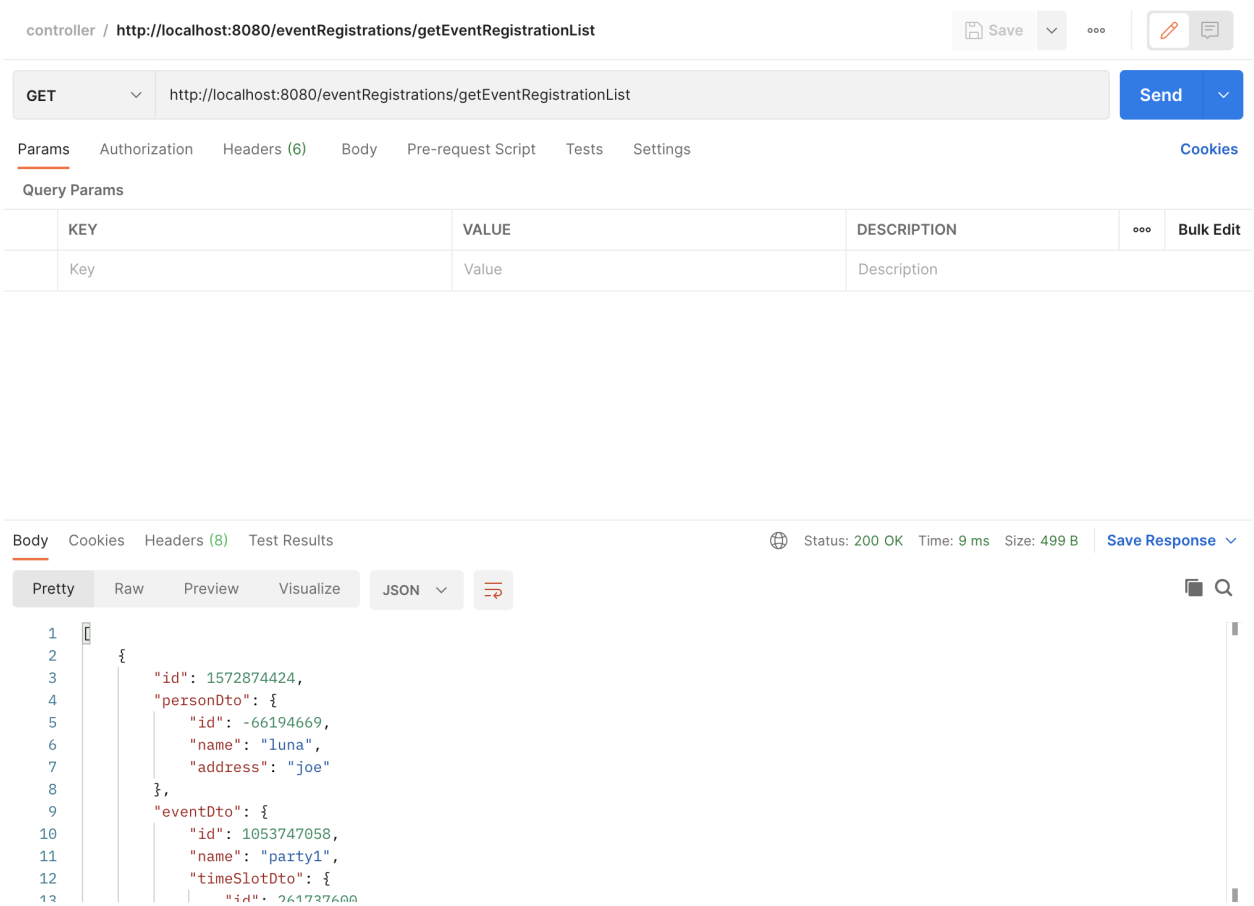


12. `deleteEvent`

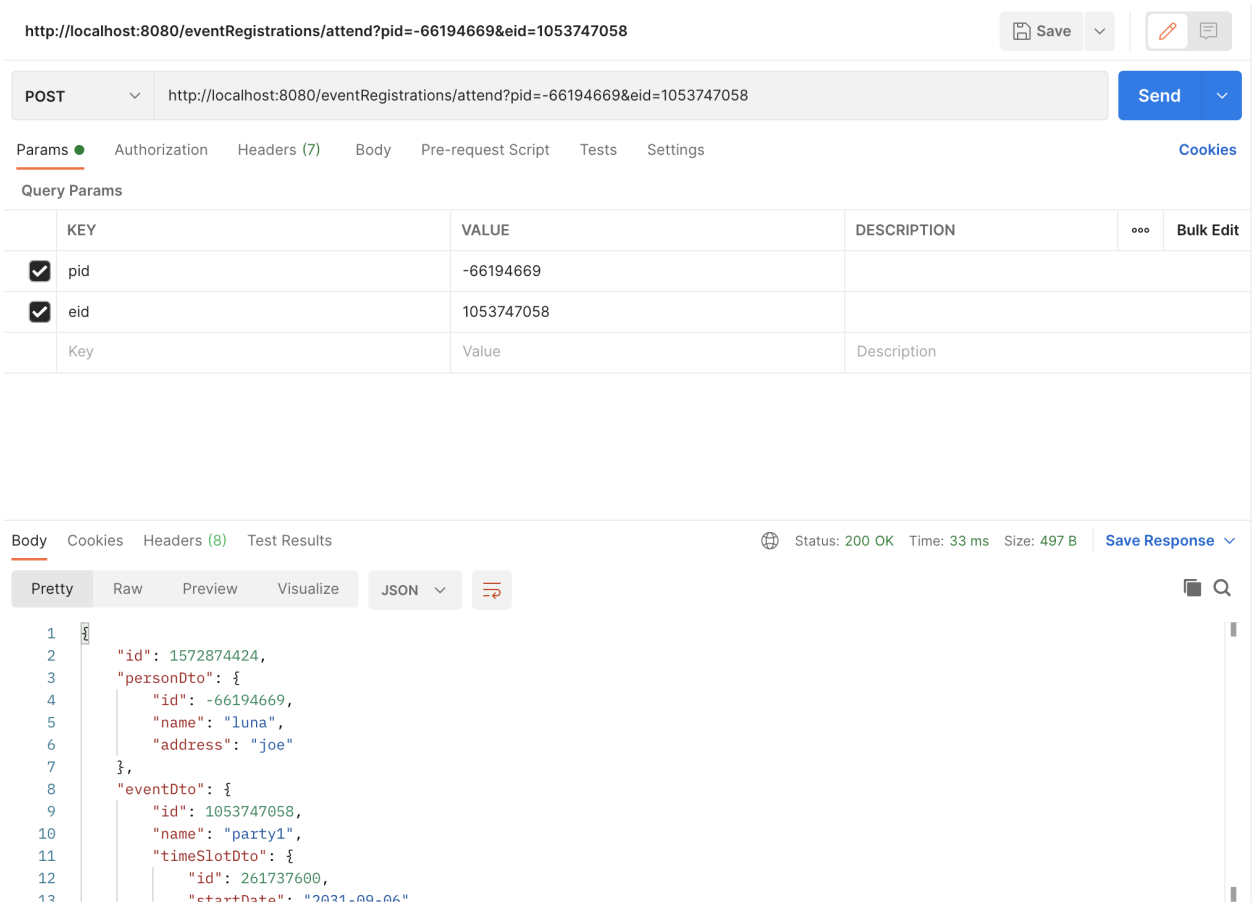




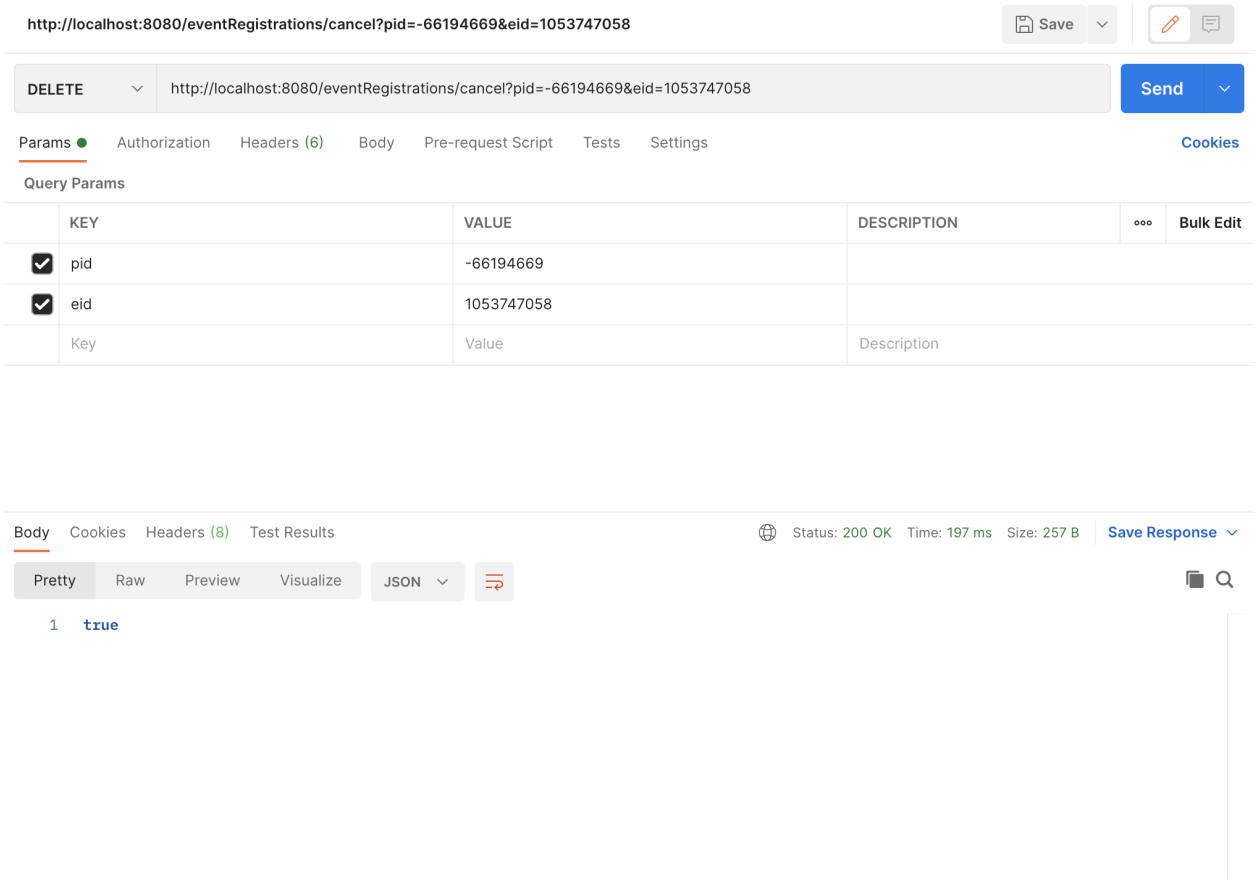
13. `getAllEventRegistration`



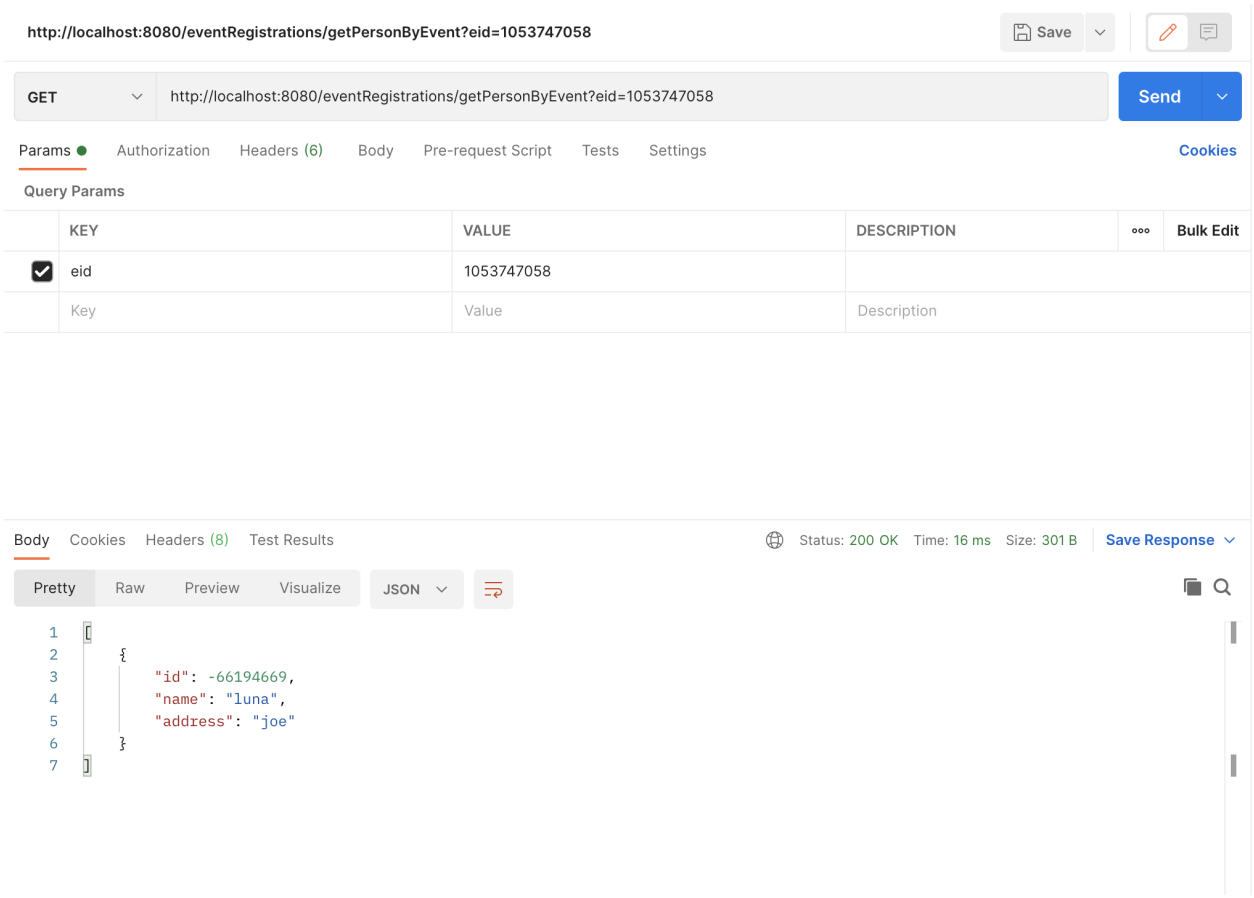
14. `attendEventRegistration`



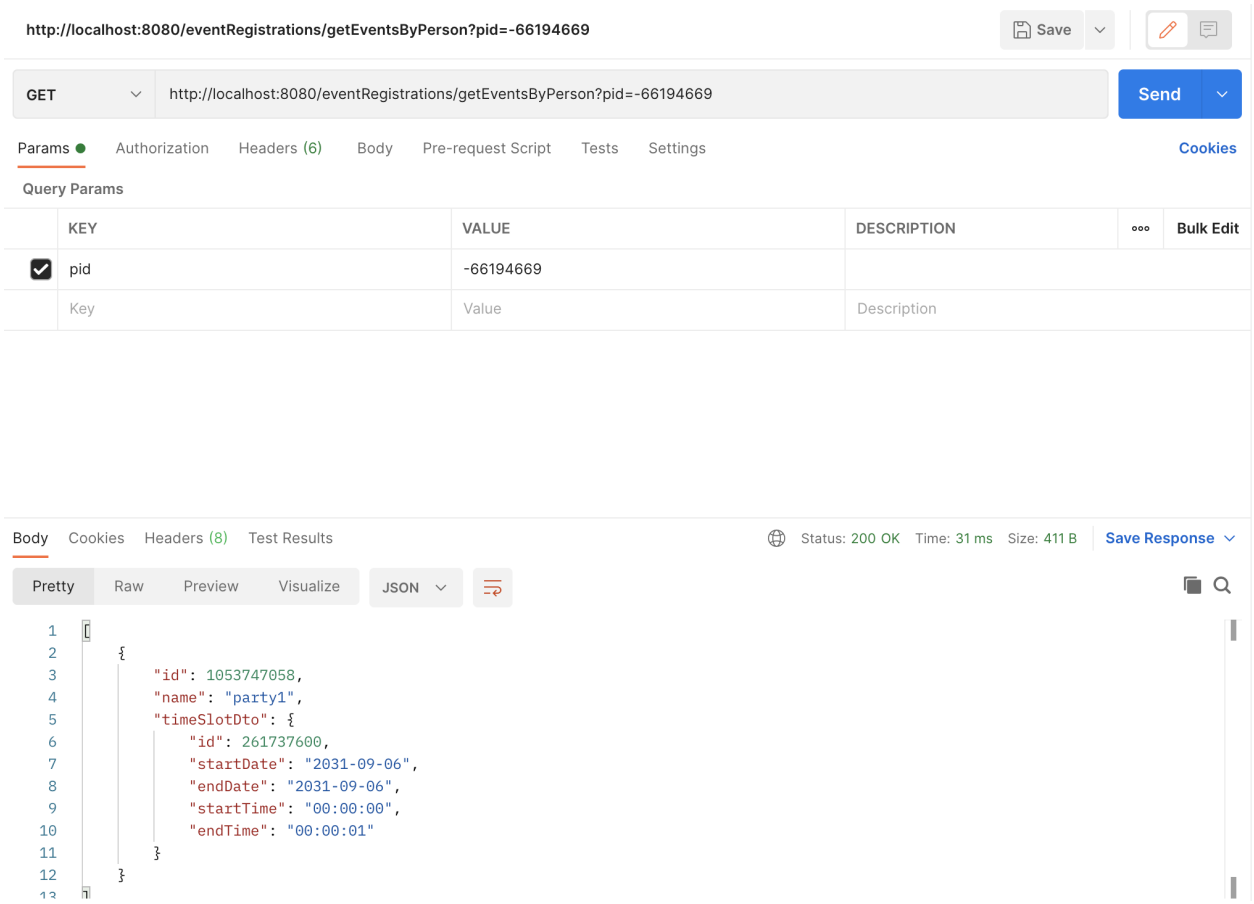
15. `cancelEventRegistration`



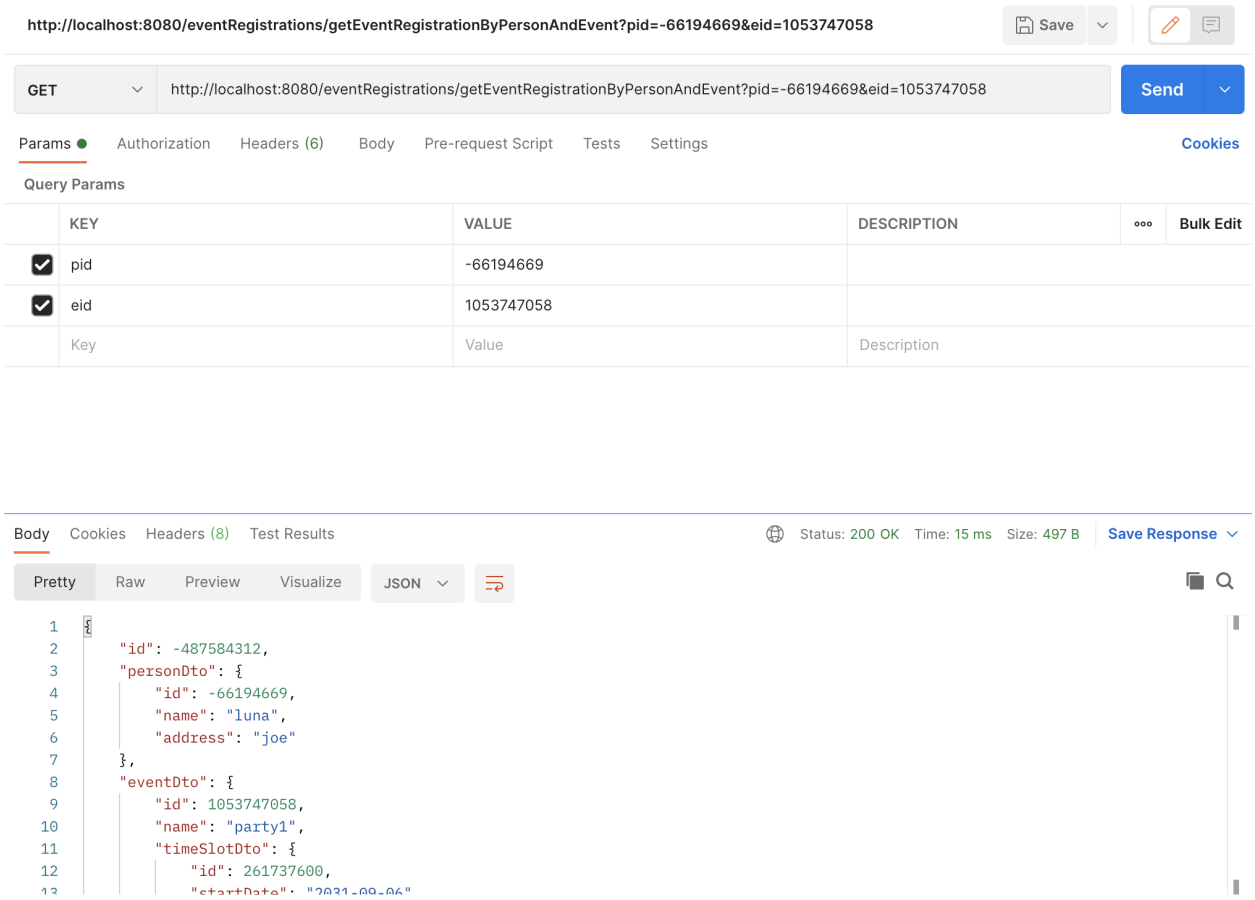
16. `getPersonByEvents`



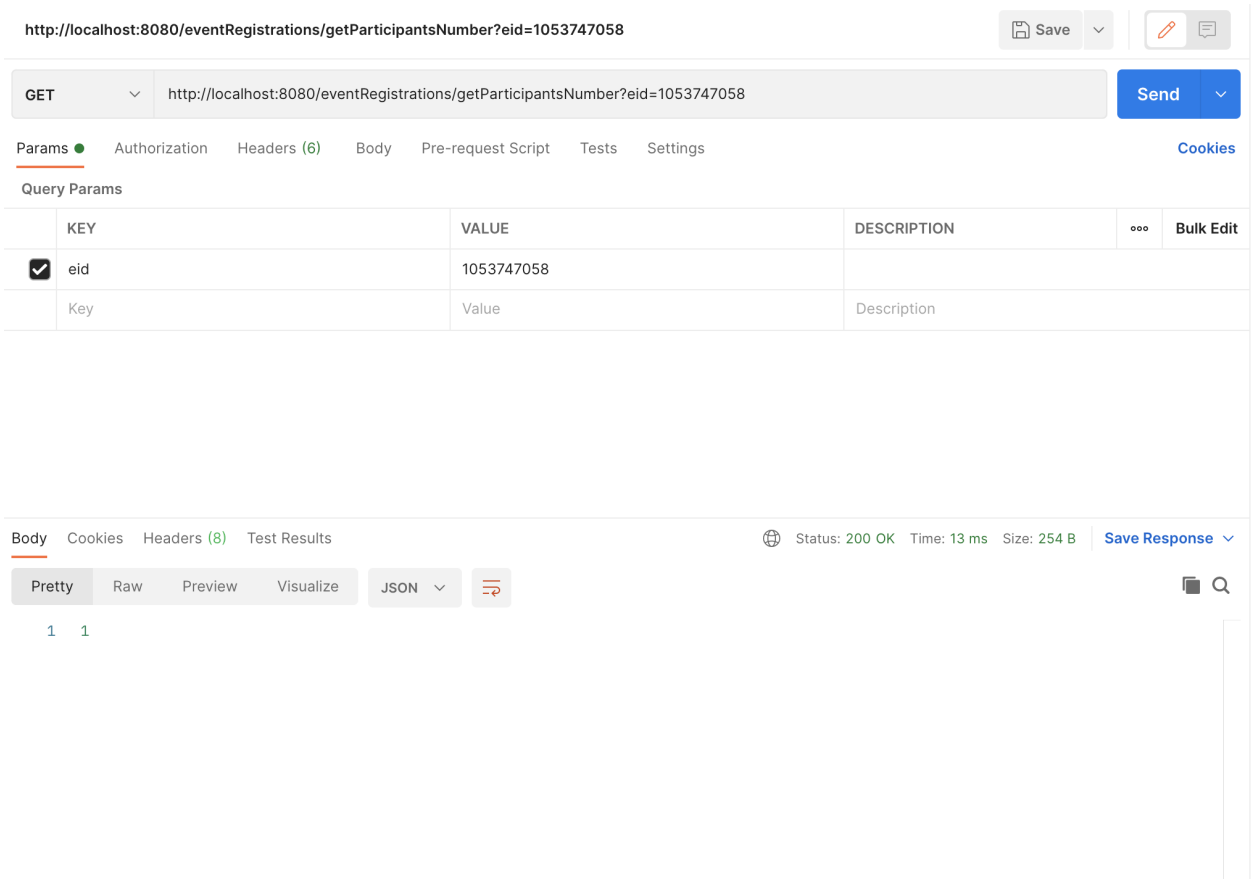
17. `getEventsByPerson`



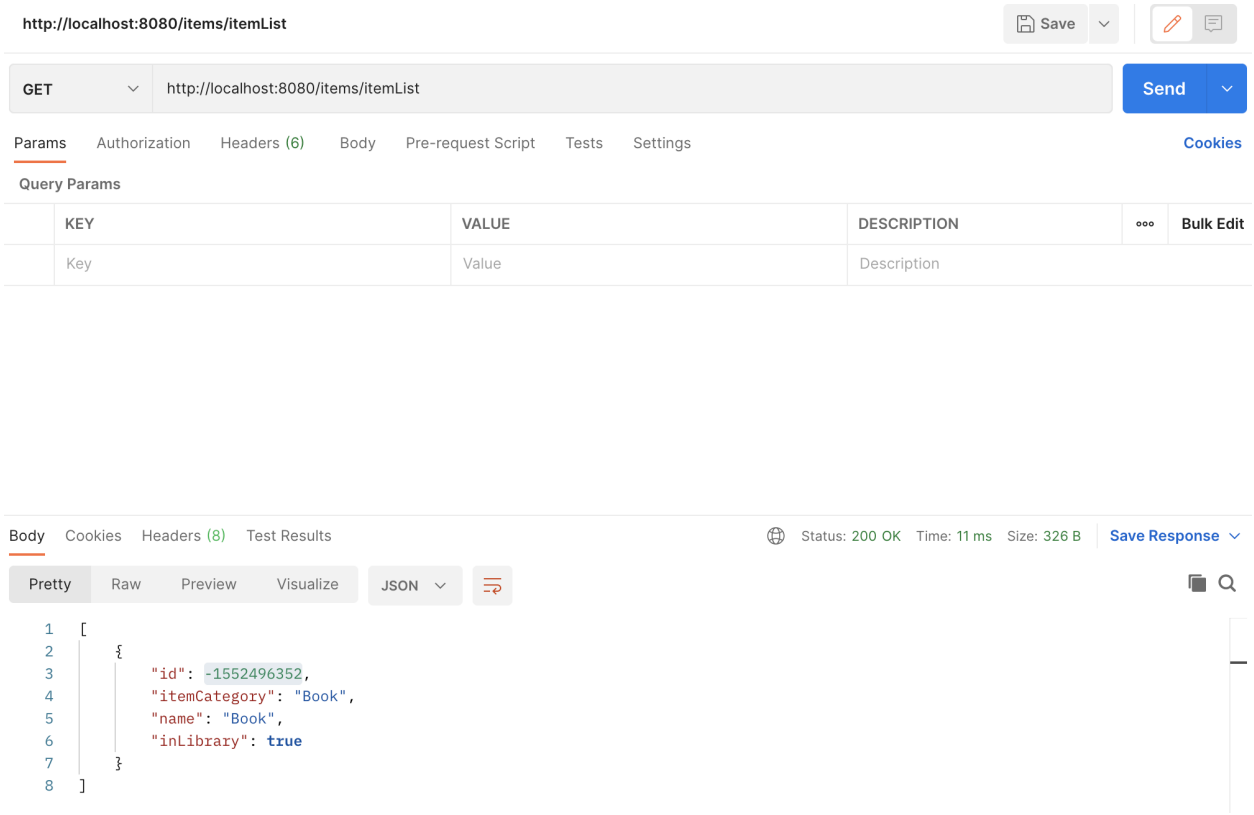
18. `getEventRegistrationByPersonAndEvent`



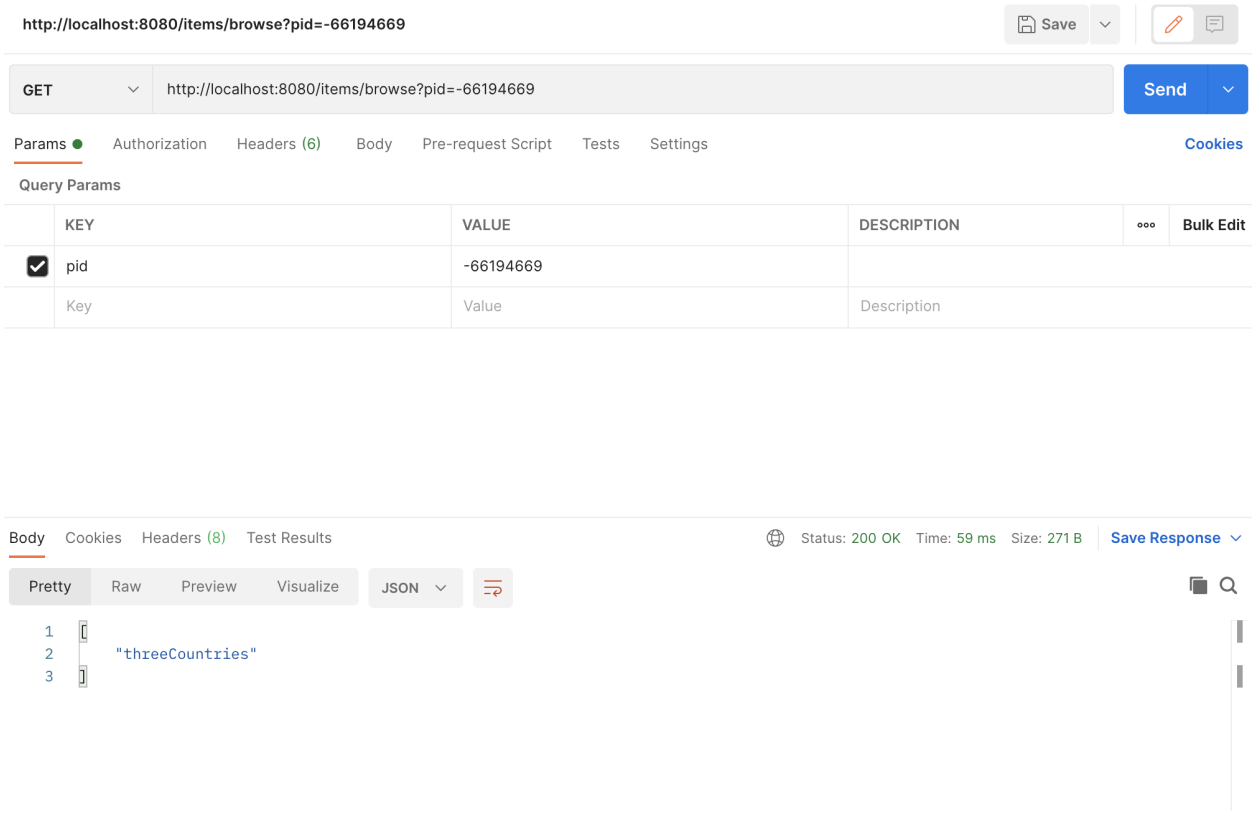
19. `findParticipantsNumber`



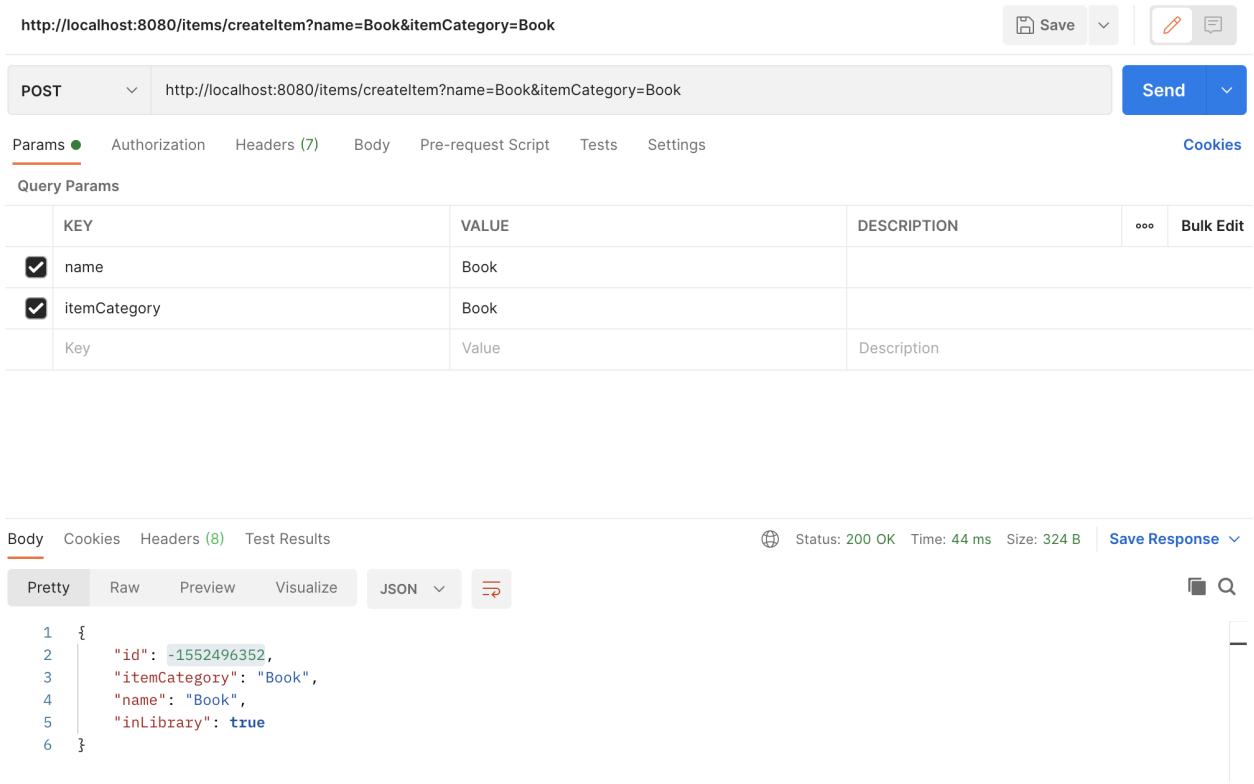
20. `getAllItems`



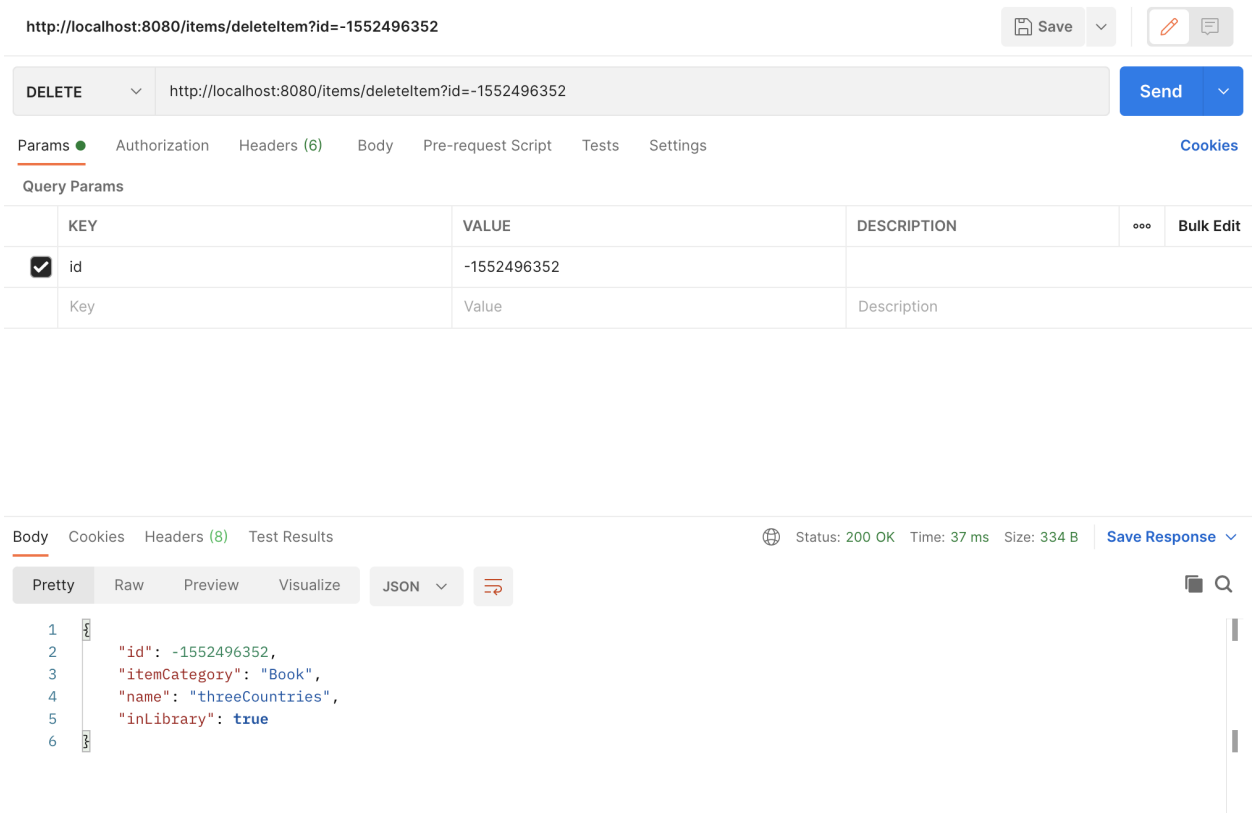
21. `browse`


http://localhost:8080/items/browse?pid=-66194669
Save
GET
http://localhost:8080/items/browse?pid=-66194669
Send
Params
Authorization
Headers (6)
Body
Pre-request Script
Tests
Settings
Cookies
Query Params
KEY
VALUE
DESCRIPTION
Bulk Edit
pid
-66194669
Key
Value
Description
Body
Cookies
Headers (8)
Test Results
Status: 200 OK
Time: 59 ms
Size: 271 B
Save Response
Pretty
Raw
Preview
Visualize
JSON
1 [
2 "threeCountries"
3]

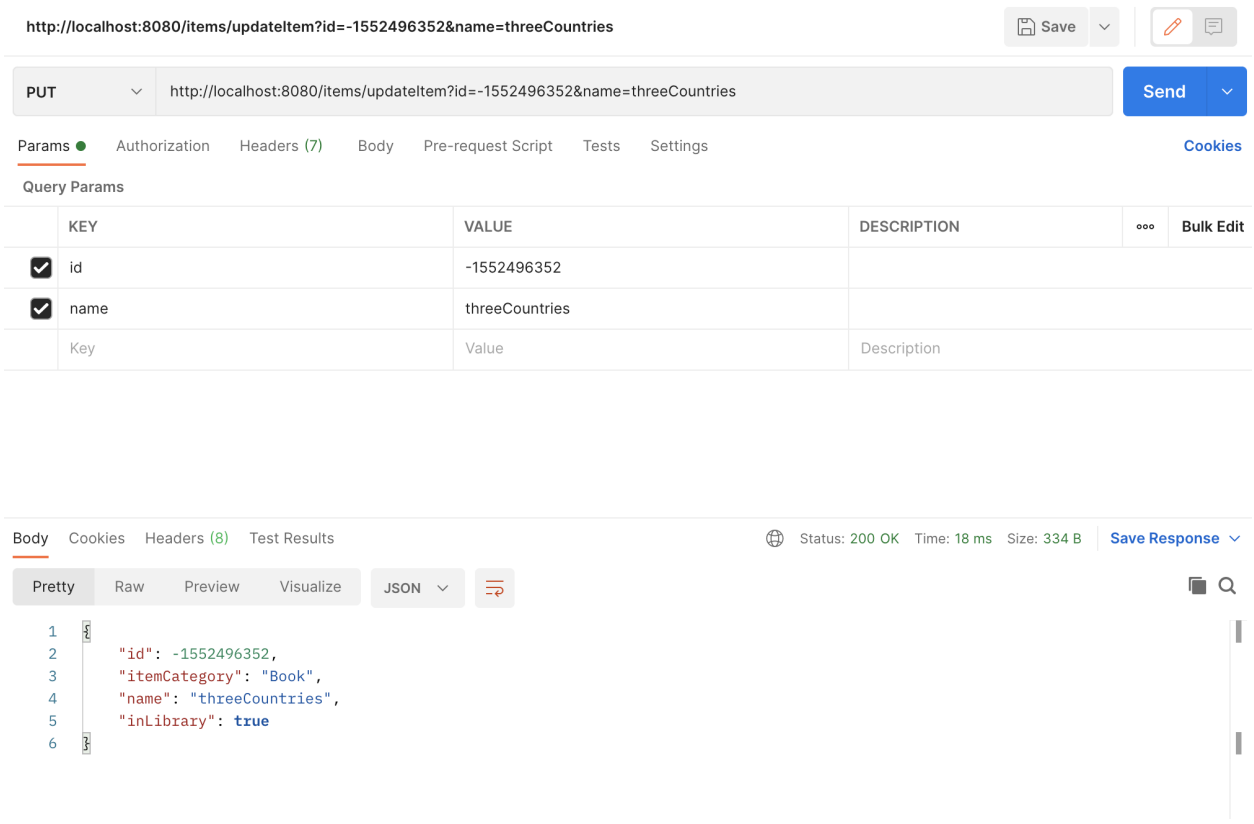
22. `createItem`



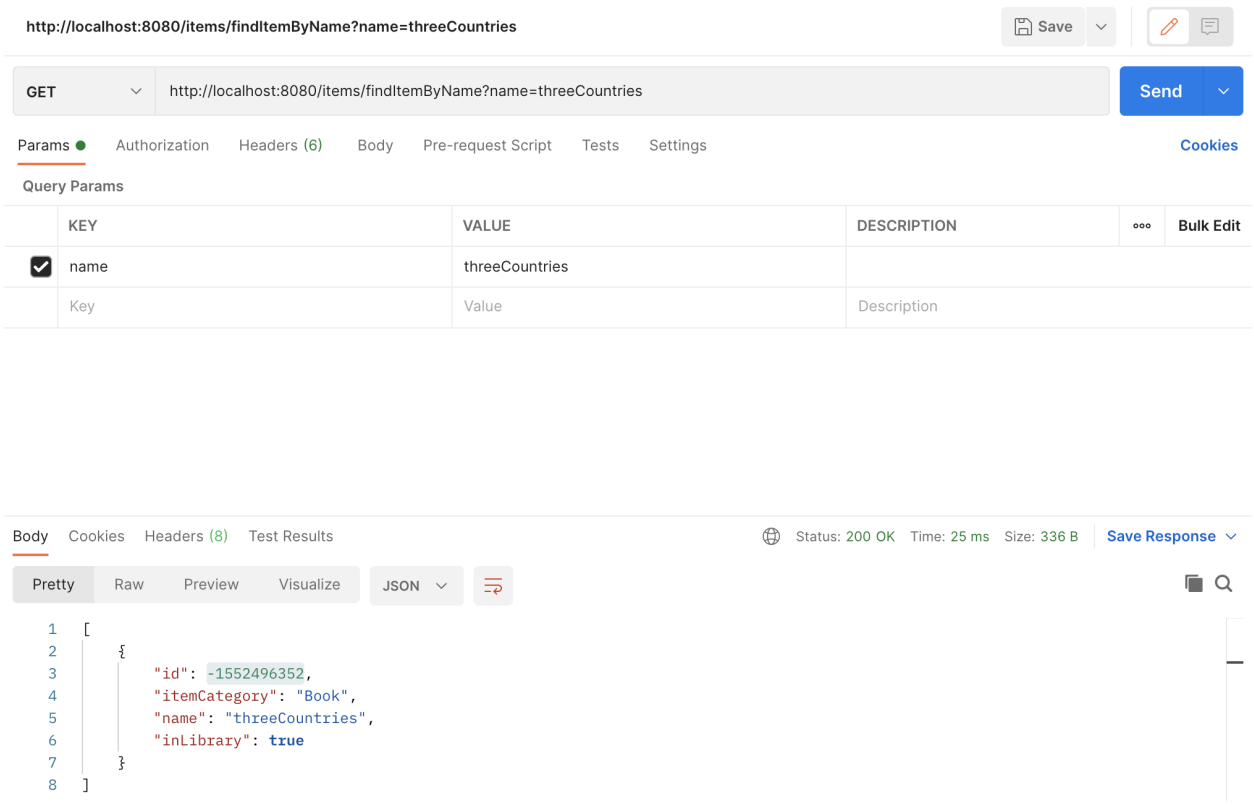
23. `deleteItem`



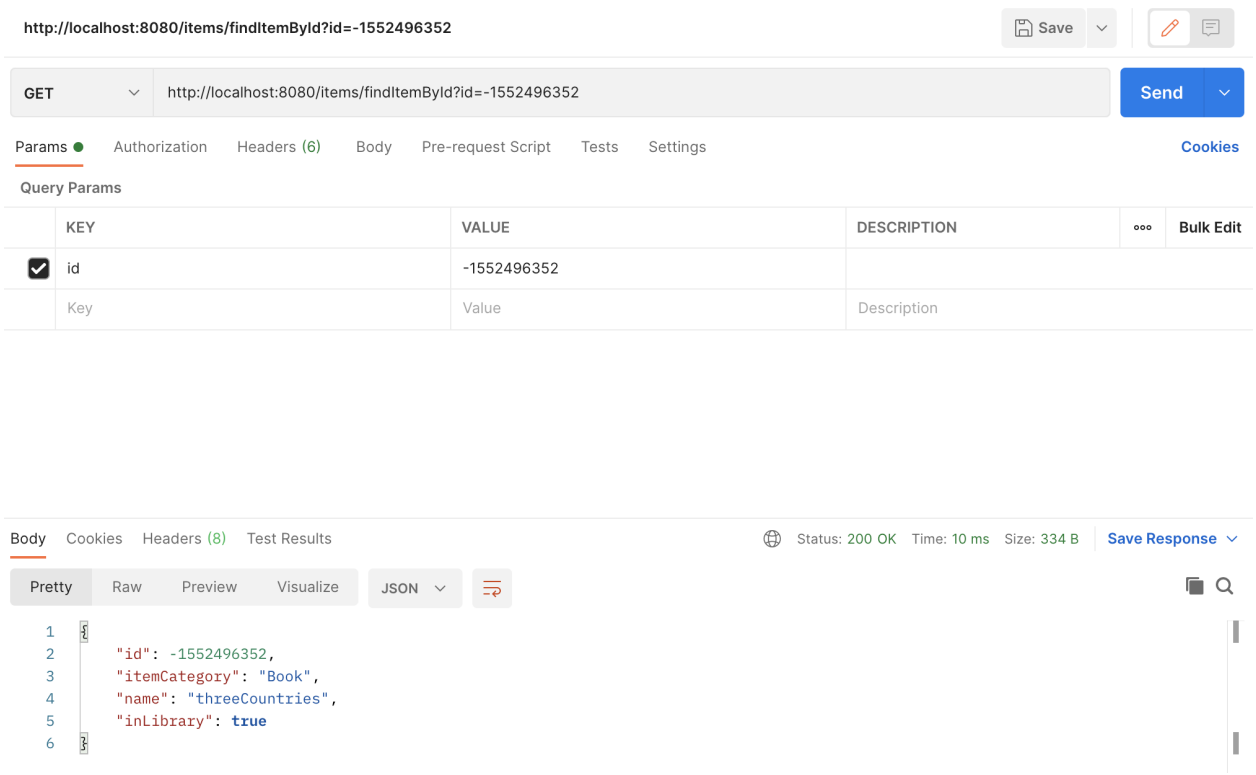
24. `updateItem`



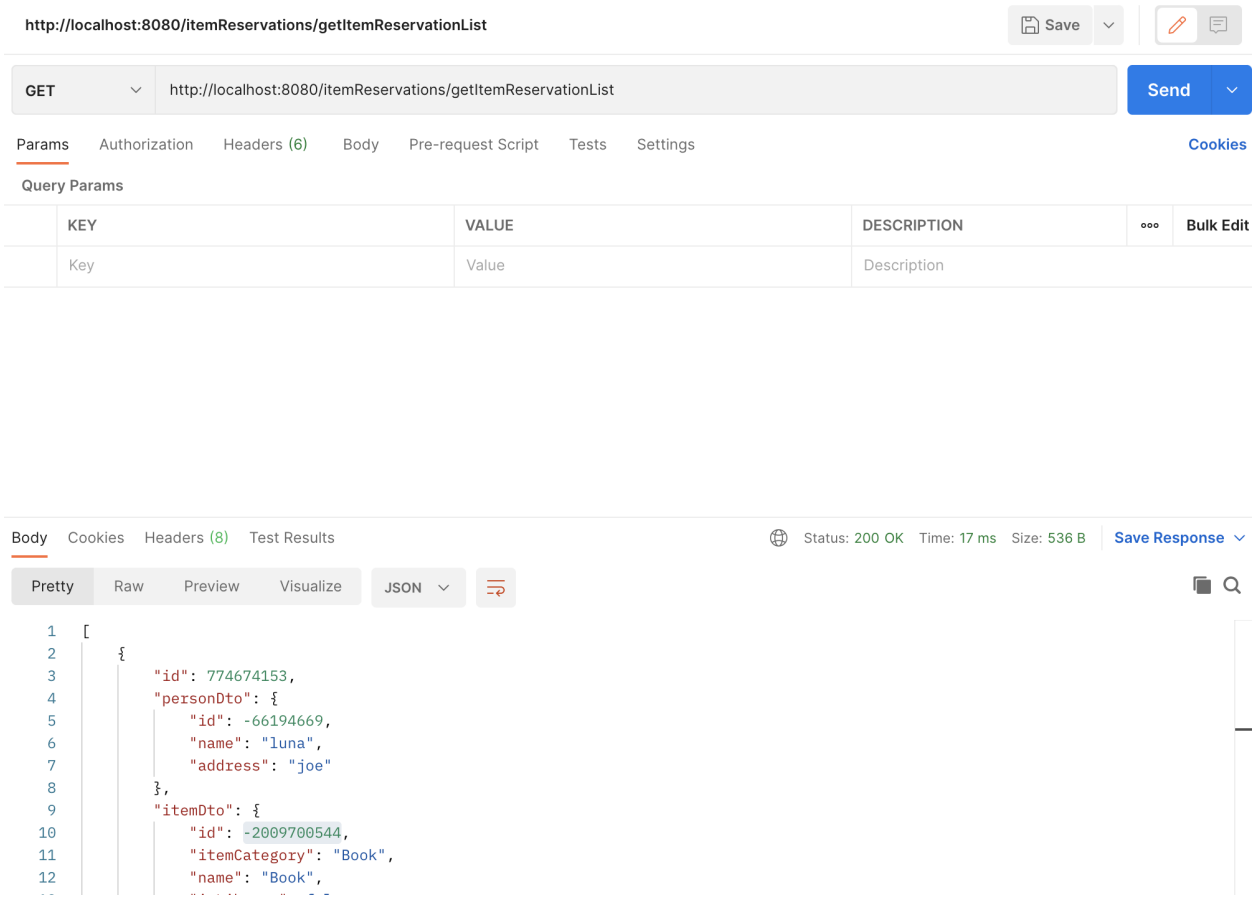
25. `findItemByName`



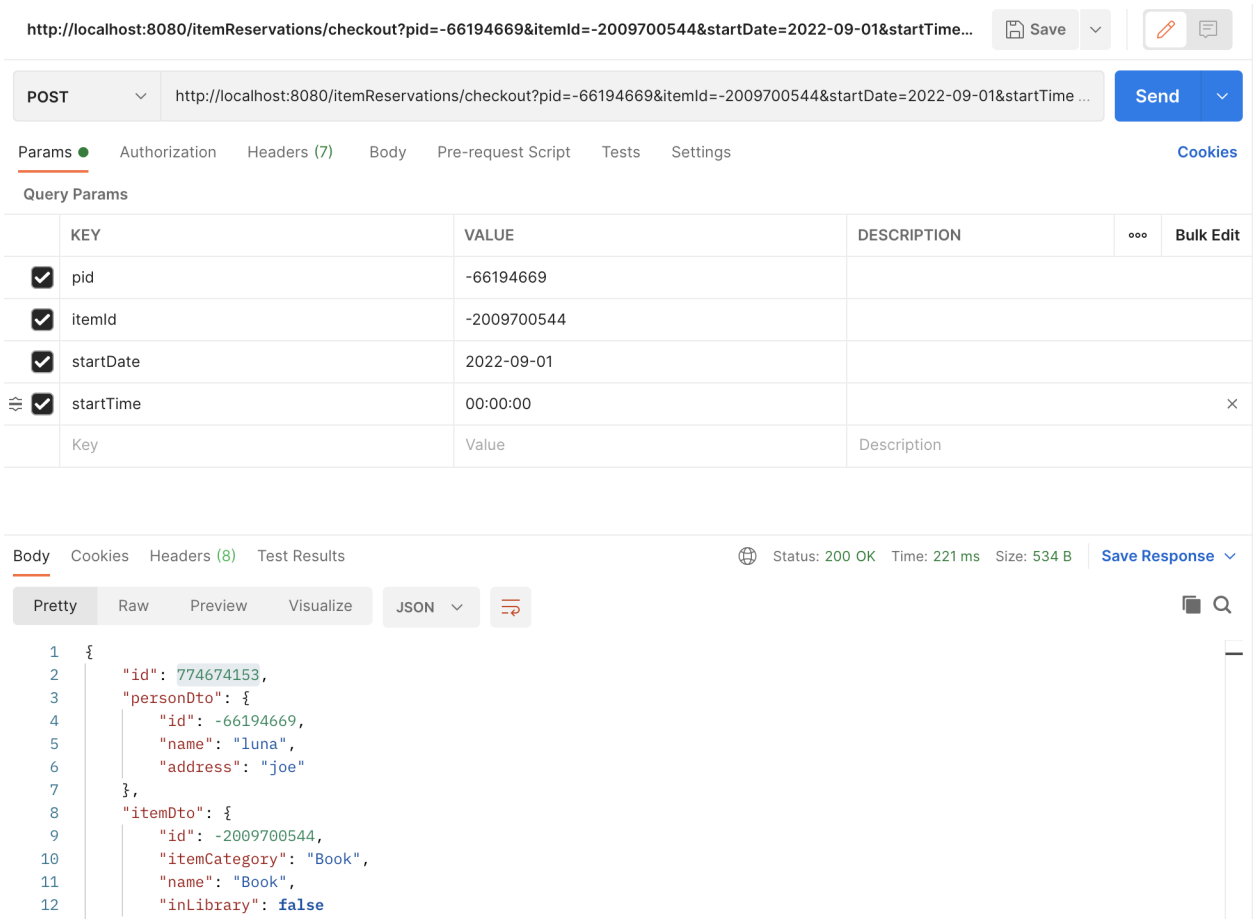
26. `findItemById`



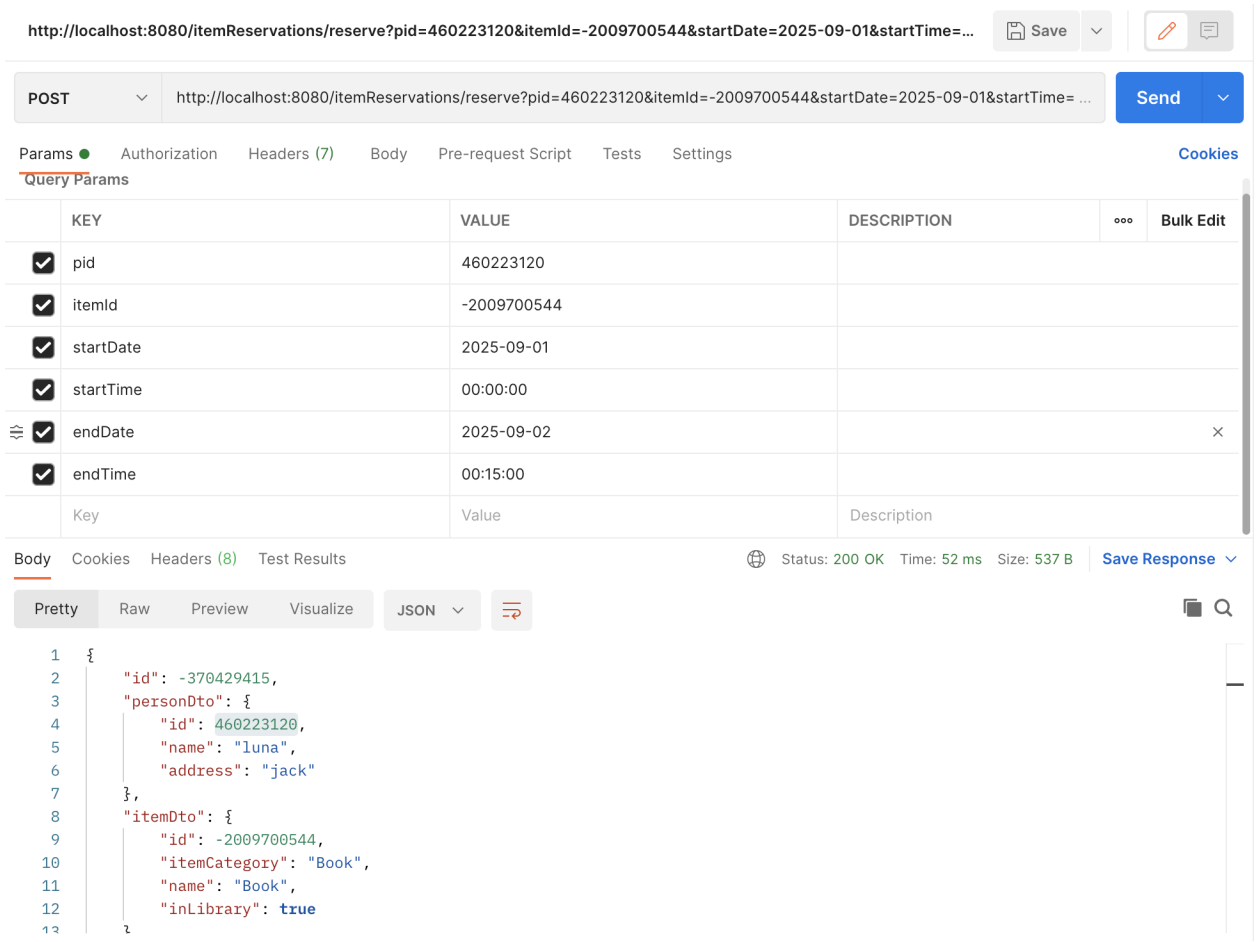
27. `getAllItemReservations`



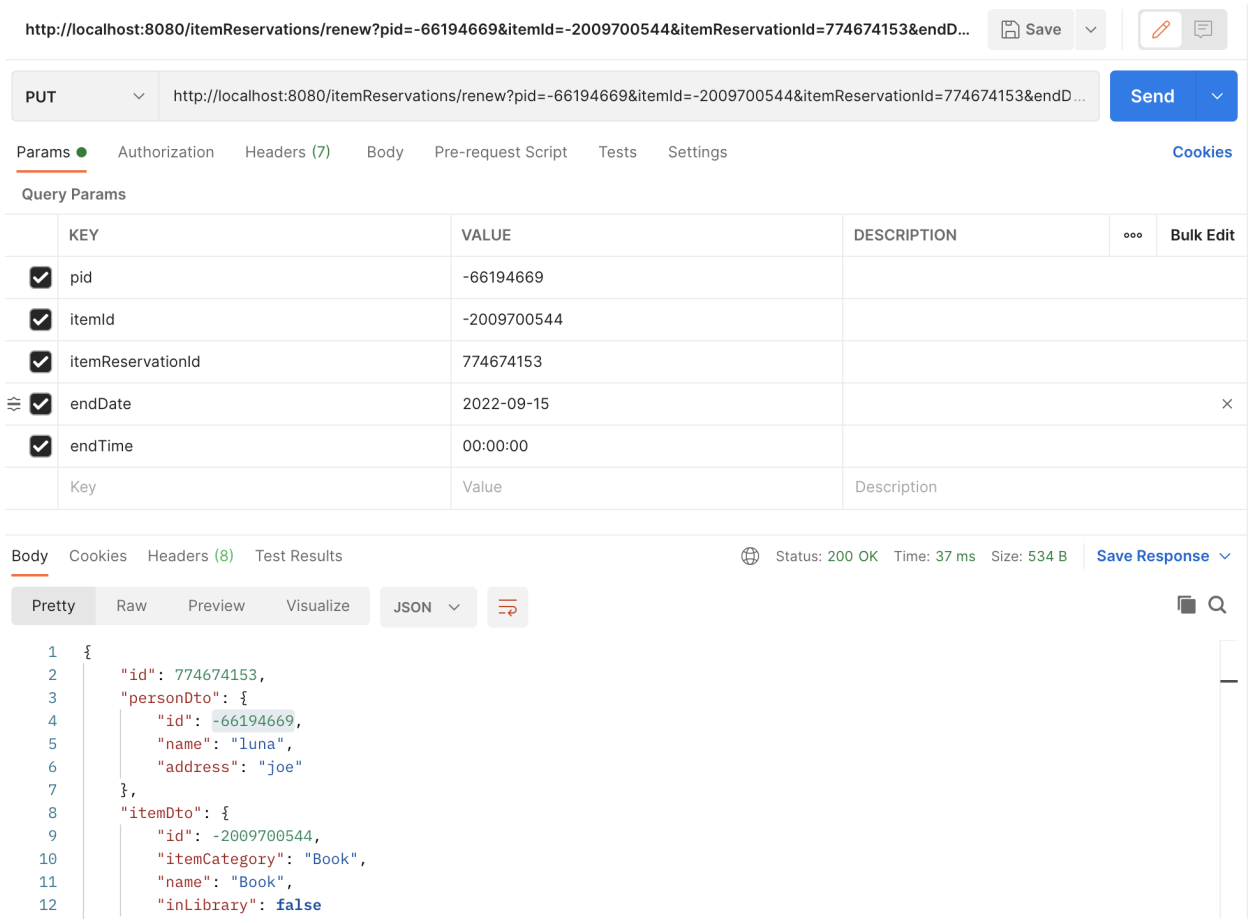
28. `checkout`


http://localhost:8080/itemReservations/checkout?pid=-66194669&itemId=-2009700544&startDate=2022-09-01&startTime...
Save
POST
http://localhost:8080/itemReservations/checkout?pid=-66194669&itemId=-2009700544&startDate=2022-09-01&startTime ...
Send
Params
Authorization
Headers (7)
Body
Pre-request Script
Tests
Settings
Cookies
Query Params
KEY
VALUE
DESCRIPTION
Bulk Edit
pid
-66194669
itemId
-2009700544
startDate
2022-09-01
startTime
00:00:00
Key
Value
Description
Body
Cookies
Headers (8)
Test Results
Status: 200 OK
Time: 221 ms
Size: 534 B
Save Response
Pretty
Raw
Preview
Visualize
JSON
{
"id": 774674153,
"personDto": {
"id": -66194669,
"name": "luna",
"address": "joe"
},
"itemDto": {
"id": -2009700544,
"itemCategory": "Book",
"name": "Book",
"inLibrary": false

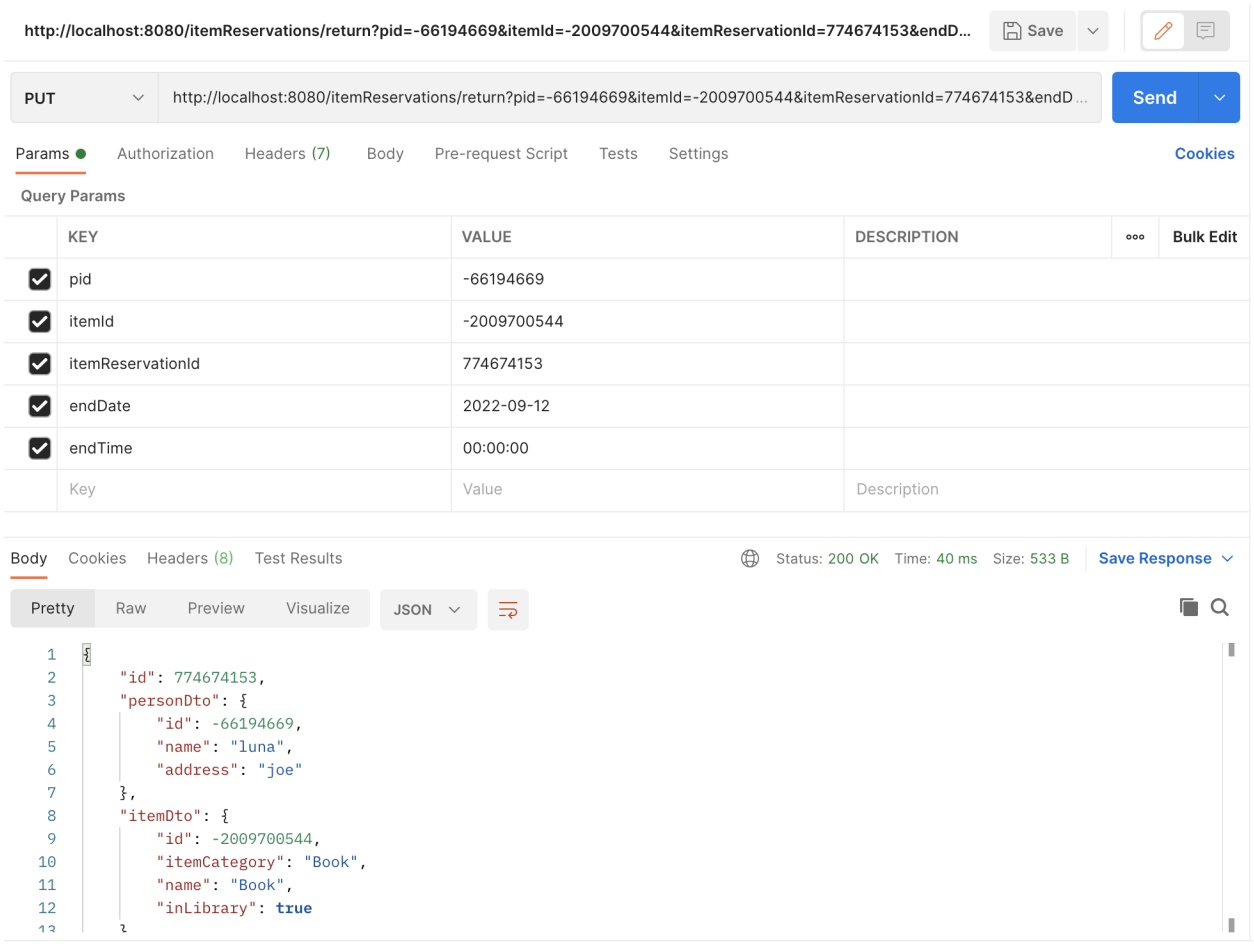
29. `reserve`


http://localhost:8080/itemReservations/reserve?pid=460223120&itemId=-2009700544&startDate=2025-09-01&startTime=...
Save
POST
http://localhost:8080/itemReservations/reserve?pid=460223120&itemId=-2009700544&startDate=2025-09-01&startTime= ...
Send
Params
Authorization
Headers (7)
Body
Pre-request Script
Tests
Settings
Cookies
Query Params
KEY
VALUE
DESCRIPTION
Bulk Edit
pid
460223120
itemId
-2009700544
startDate
2025-09-01
startTime
00:00:00
endDate
2025-09-02
endTime
00:15:00
Key
Value
Description
Body
Cookies
Headers (8)
Test Results
Status: 200 OK
Time: 52 ms
Size: 537 B
Save Response
Pretty
Raw
Preview
Visualize
JSON
{
"id": -370429415,
"personDto": {
"id": 460223120,
"name": "luna",
"address": "jack"
},
"itemDto": {
"id": -2009700544,
"itemCategory": "Book",
"name": "Book",
"inLibrary": true

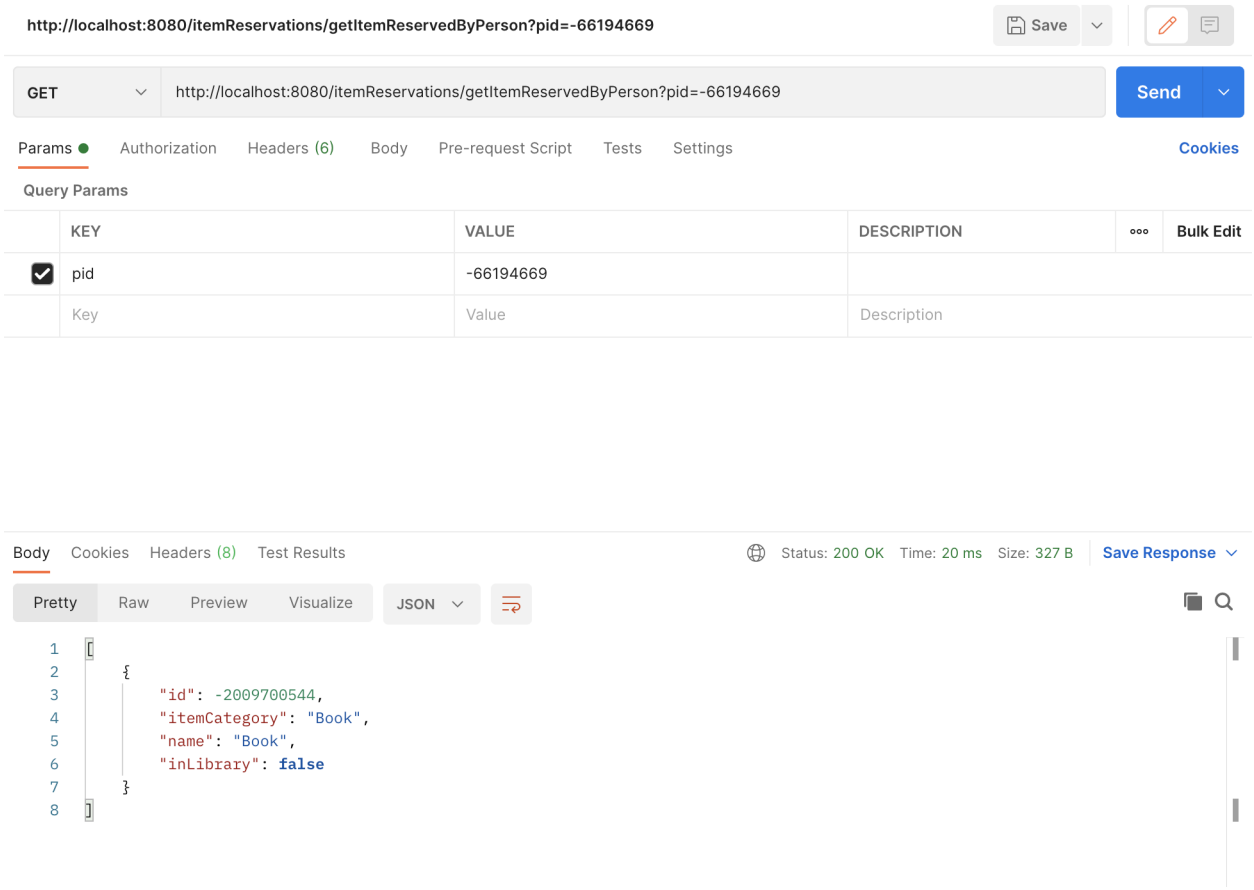
30. `renew`


http://localhost:8080/itemReservations/renew?pid=-66194669&itemId=-2009700544&itemReservationId=774674153&endD...
Save
PUT
http://localhost:8080/itemReservations/renew?pid=-66194669&itemId=-2009700544&itemReservationId=774674153&endD...
Send
Params
Authorization
Headers (7)
Body
Pre-request Script
Tests
Settings
Cookies
Query Params
KEY
VALUE
DESCRIPTION
Bulk Edit
pid
-66194669
itemId
-2009700544
itemReservationId
774674153
endDate
2022-09-15
endTime
00:00:00
Key
Value
Description
Body
Cookies
Headers (8)
Test Results
Status: 200 OK
Time: 37 ms
Size: 534 B
Save Response
Pretty
Raw
Preview
Visualize
JSON
{
"id": 774674153,
"personDto": {
"id": -66194669,
"name": "luna",
"address": "joe"
},
"itemDto": {
"id": -2009700544,
"itemCategory": "Book",
"name": "Book",
"inLibrary": false

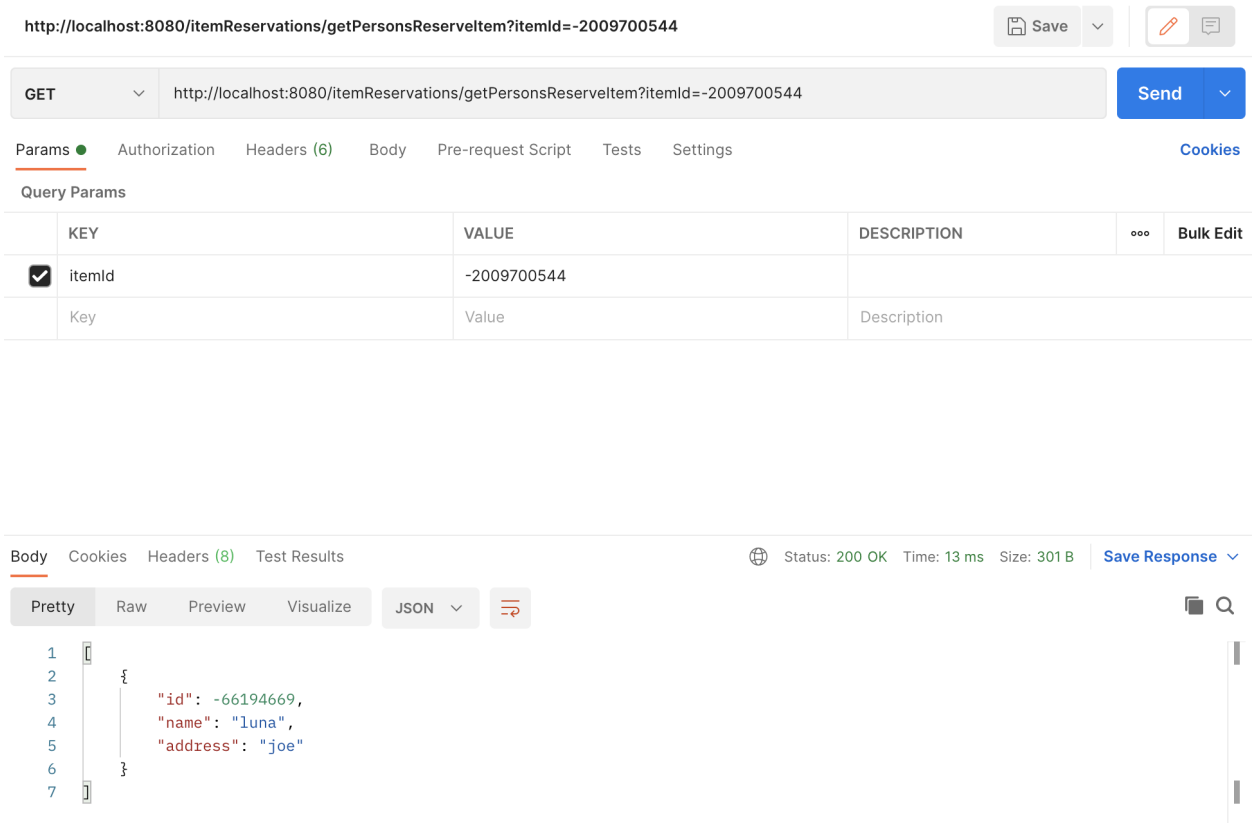
31. `returnItem`



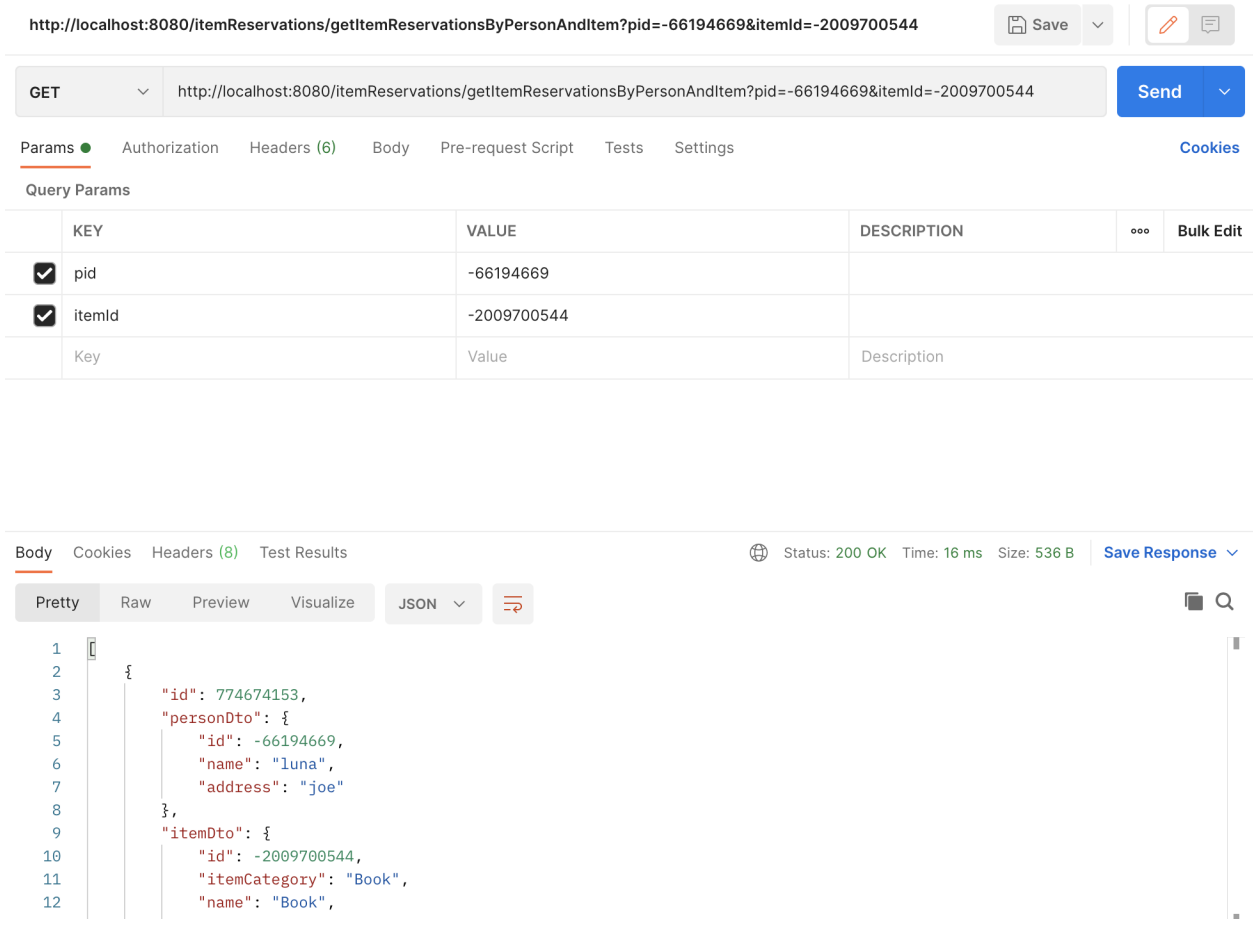
32. `getItemReservedByPerson`



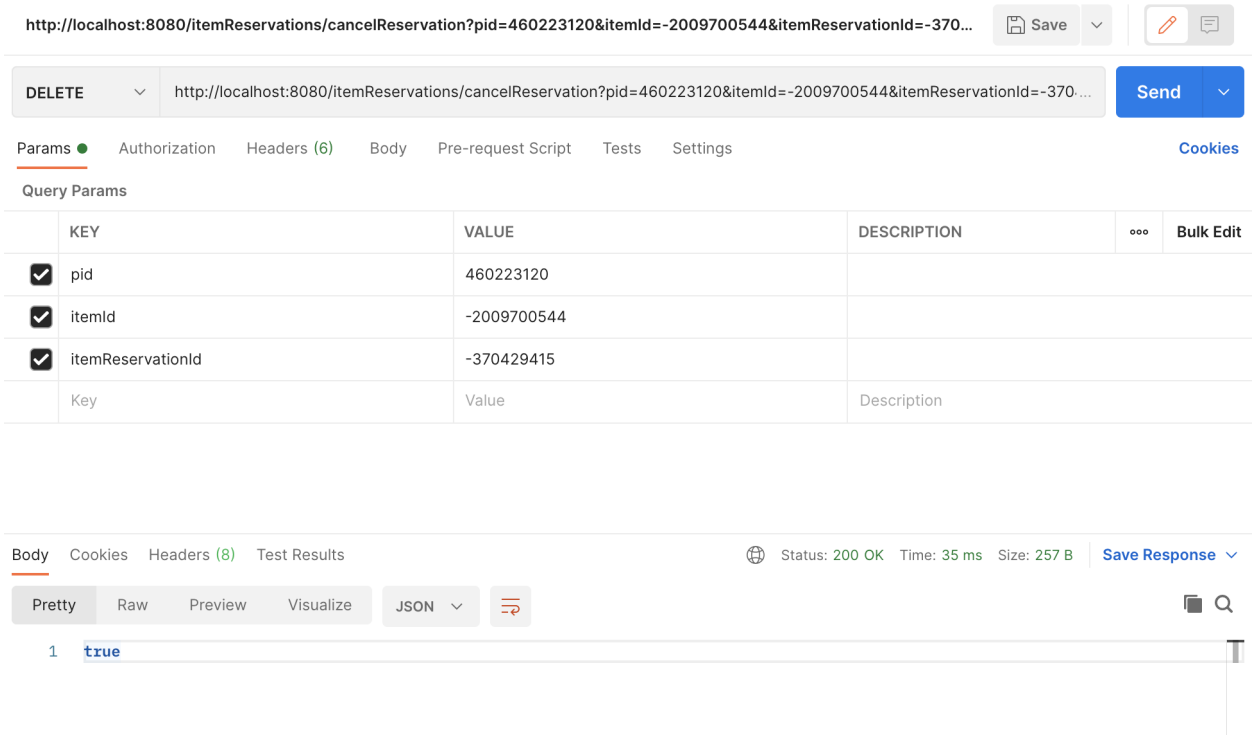
33. `getPersonsReserveItem`



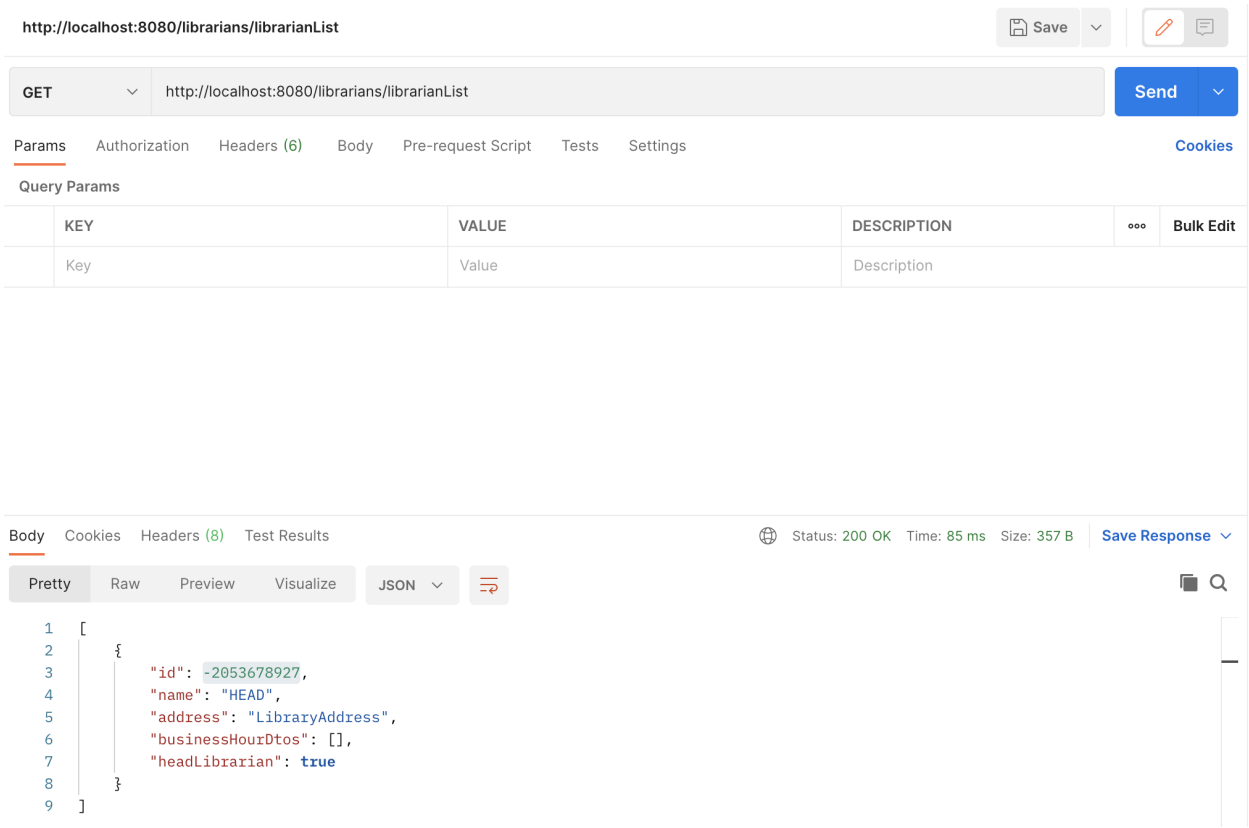
34. `getItemReservationsByPersonAndItem`



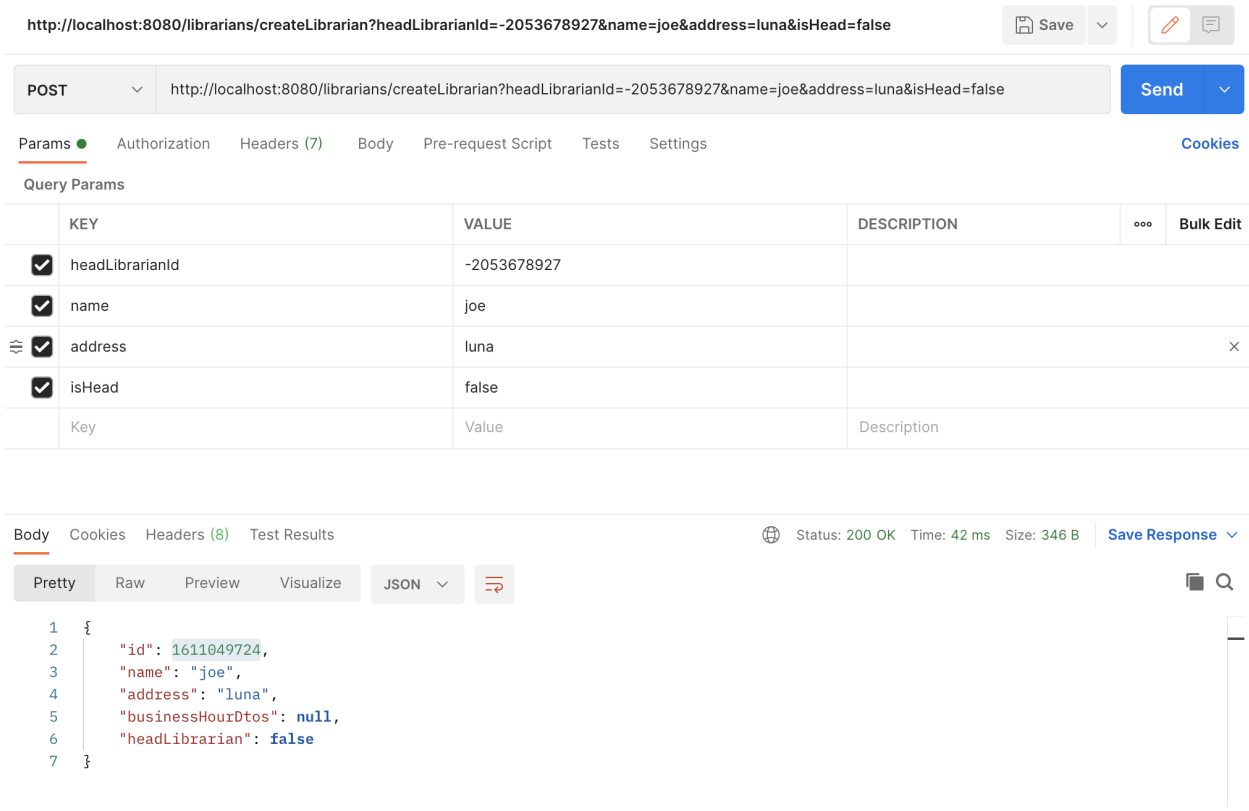
35. `cancelReservation`



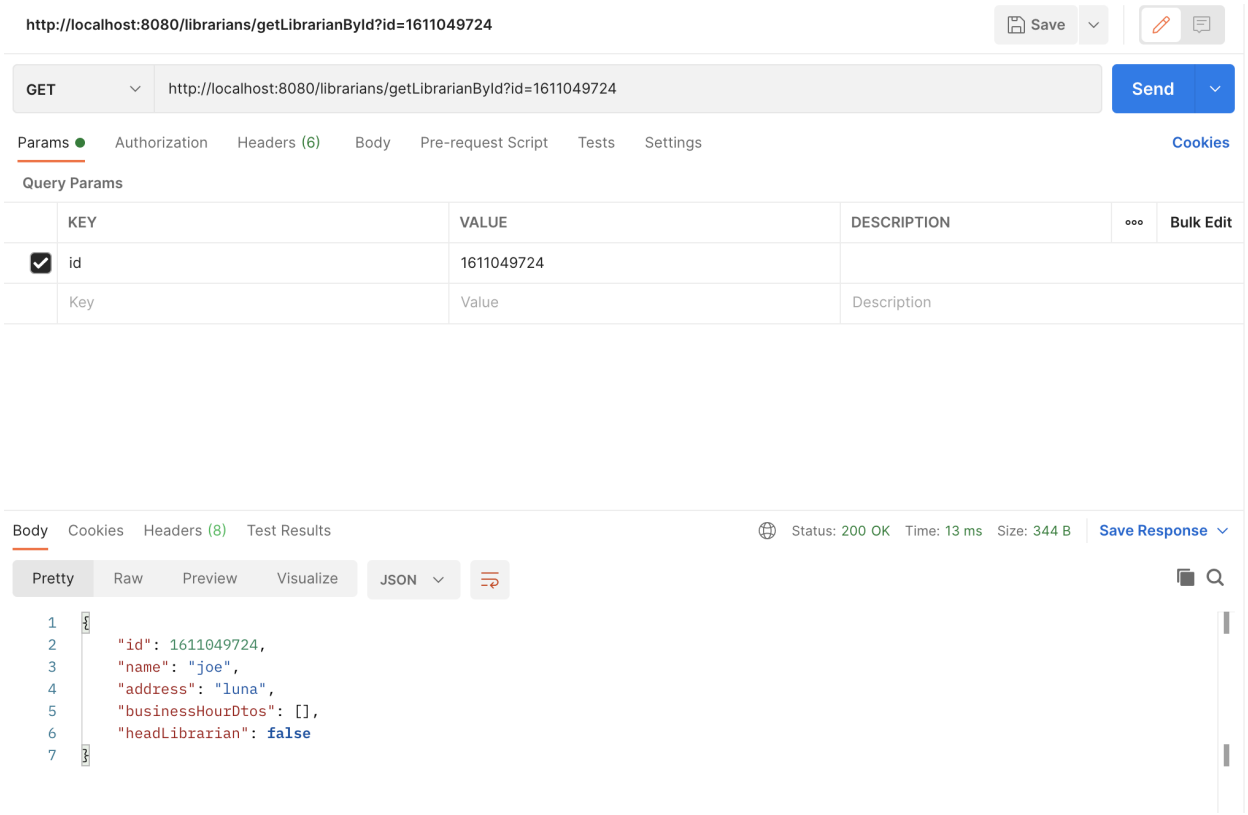
36. `getAllLibrarian`



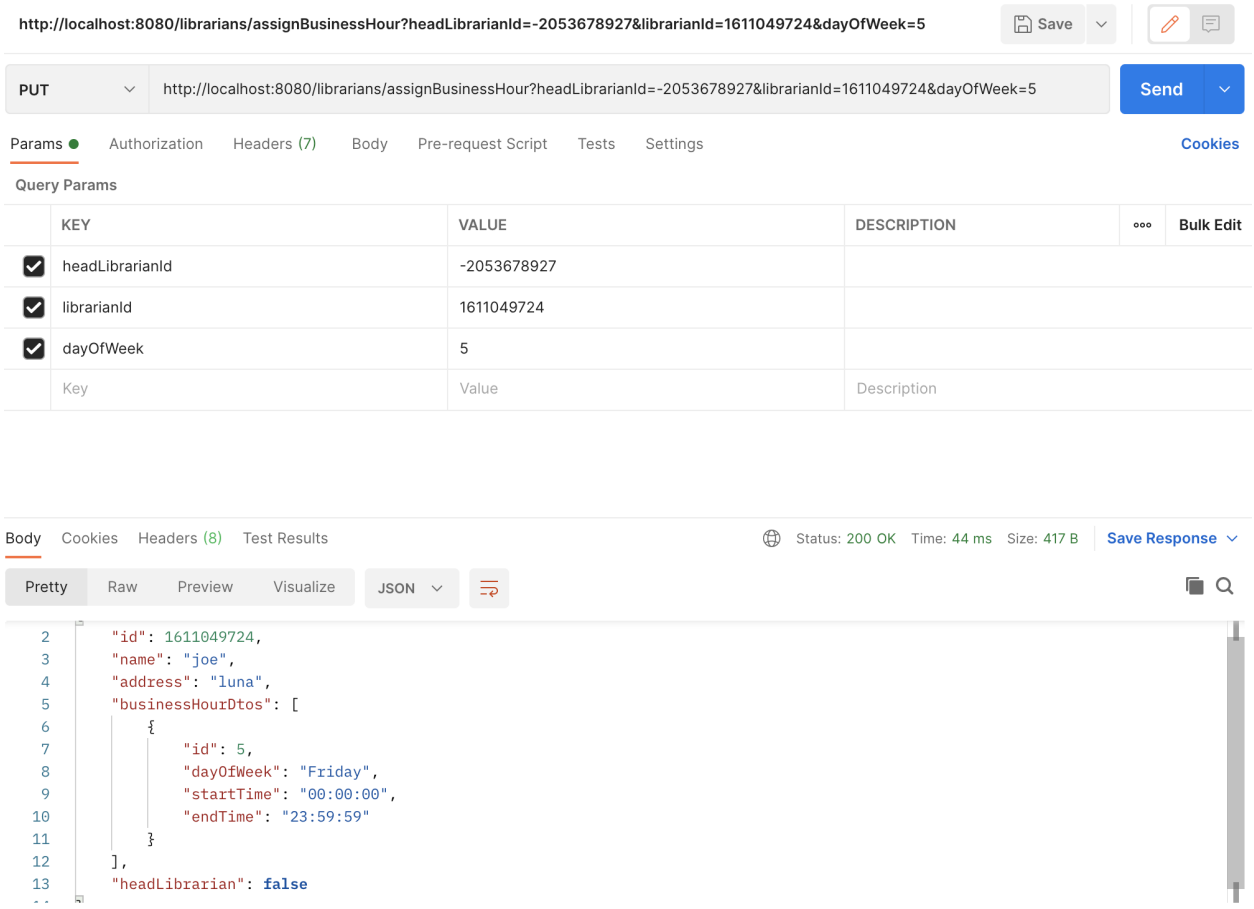
37. `createLibrarian`



38. `getLibrarianById`



39. `assignBusinessHour`



40. `unassignBusinessHour`

http://localhost:8080/librarians/unassignBusinessHour?headLibrarianId=-2053678927&librarianId=1611049724&dayOfWeek=5

Save

PUT | http://localhost:8080/librarians/unassignBusinessHour?headLibrarianId=-2053678927&librarianId=1611049724&dayOfWeek=5 | Send

Params • Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

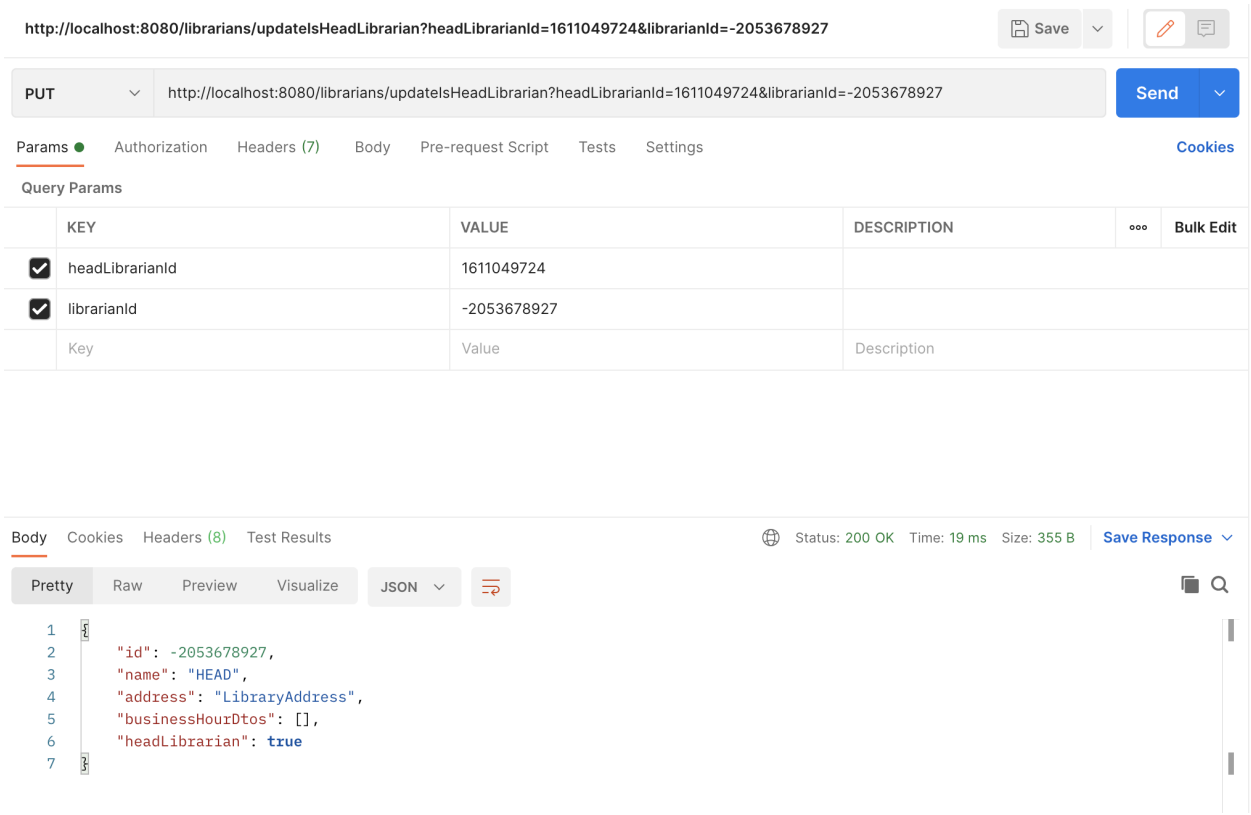
KEY	VALUE	DESCRIPTION	•••	Bulk Edit
headLibrarianId	-2053678927			
librarianId	1611049724			
dayOfWeek	5			
Key	Value	Description		

Body Cookies Headers (8) Test Results — Status: 200 OK Time: 25 ms Size: 344 B Save Response

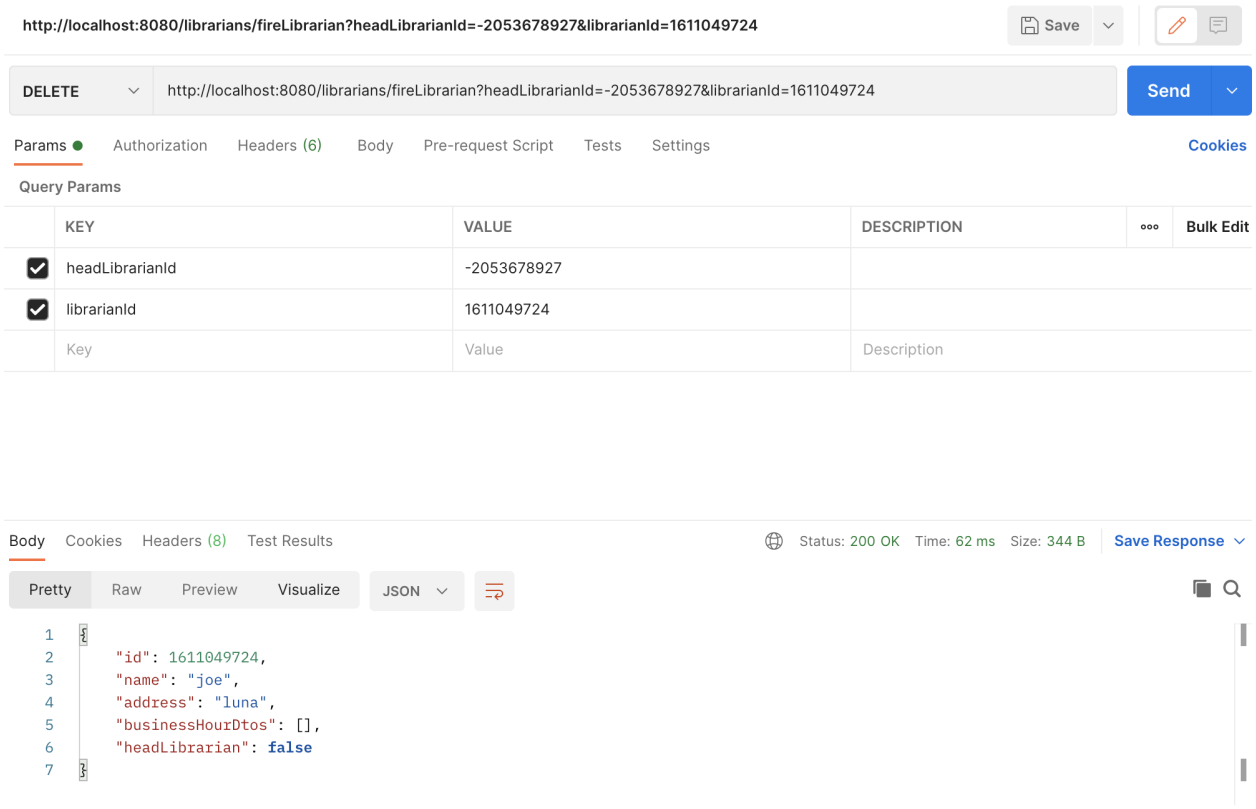
Pretty Raw Preview Visualize JSON


```
{
    "id": 1611049724,
    "name": "joe",
    "address": "luna",
    "businessHourDtos": [],
    "headLibrarian": false
}
```

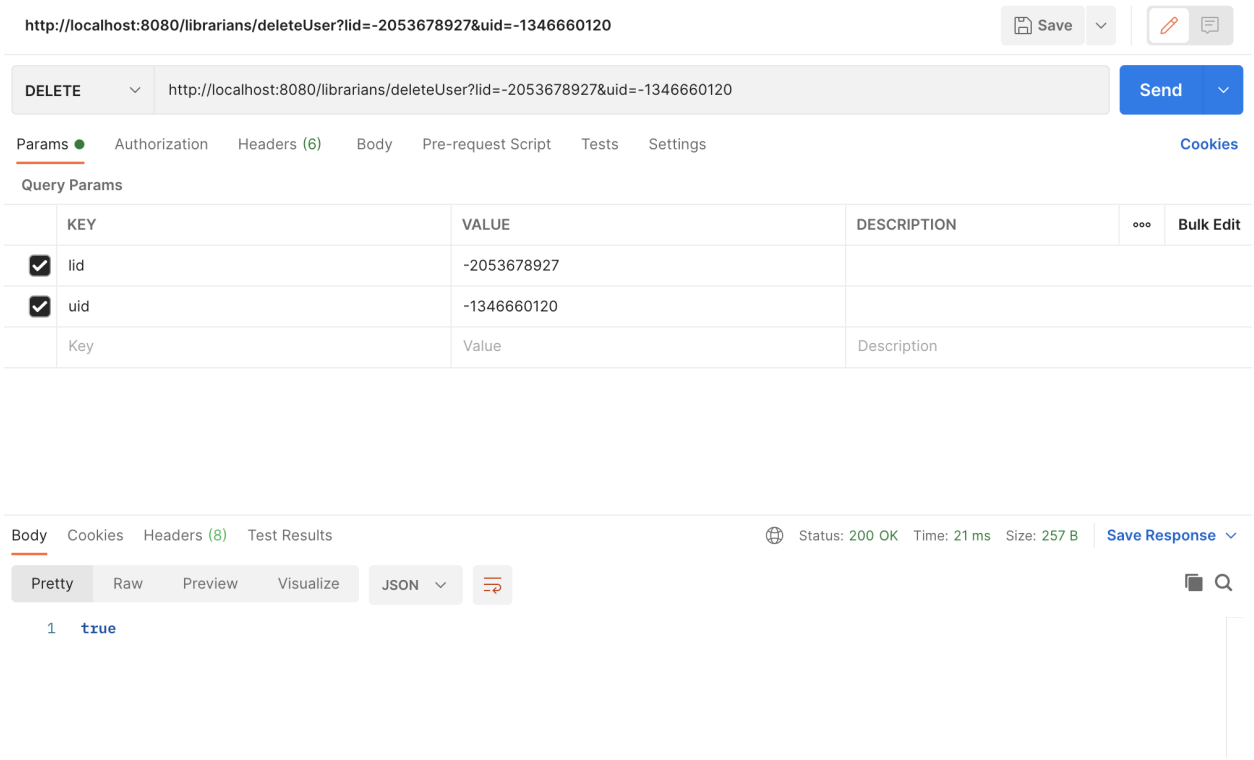
41. `updateIsHeadLibrarian`



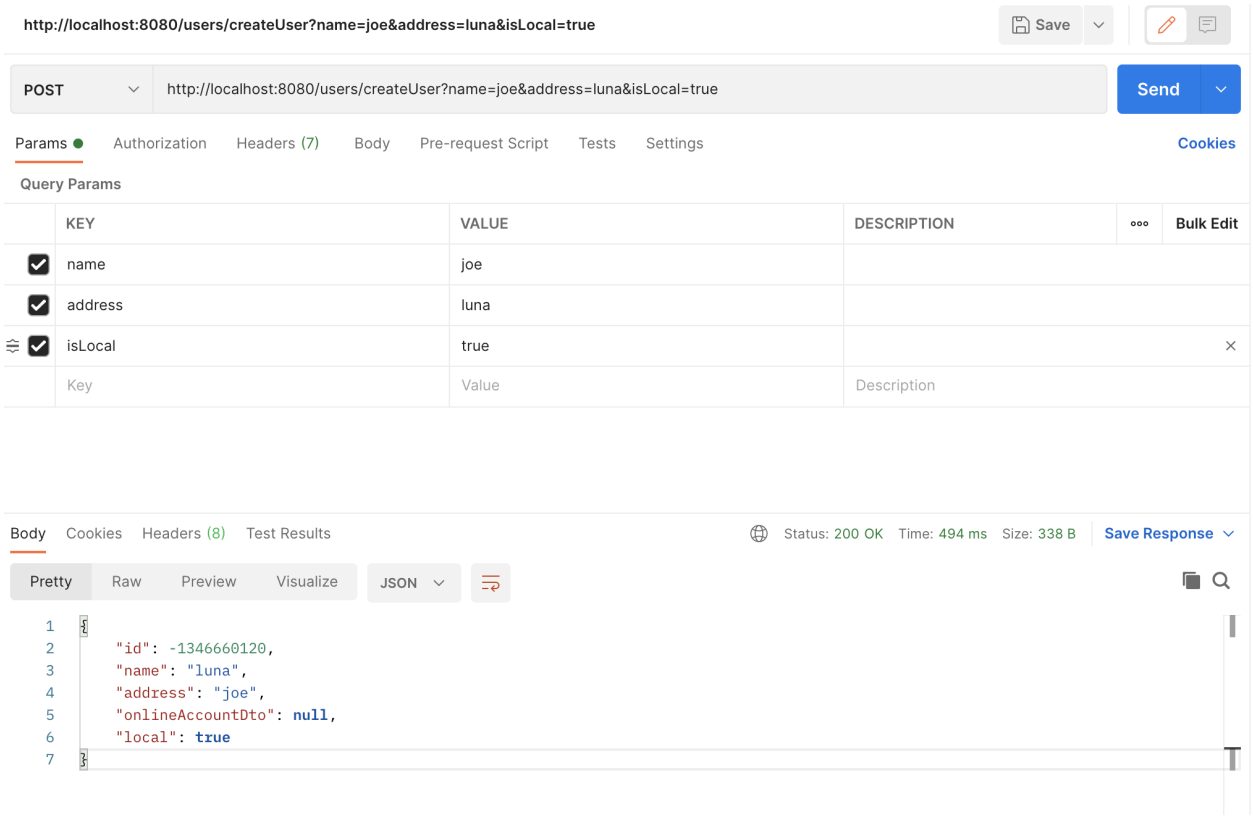
42. `fireLibrarian`



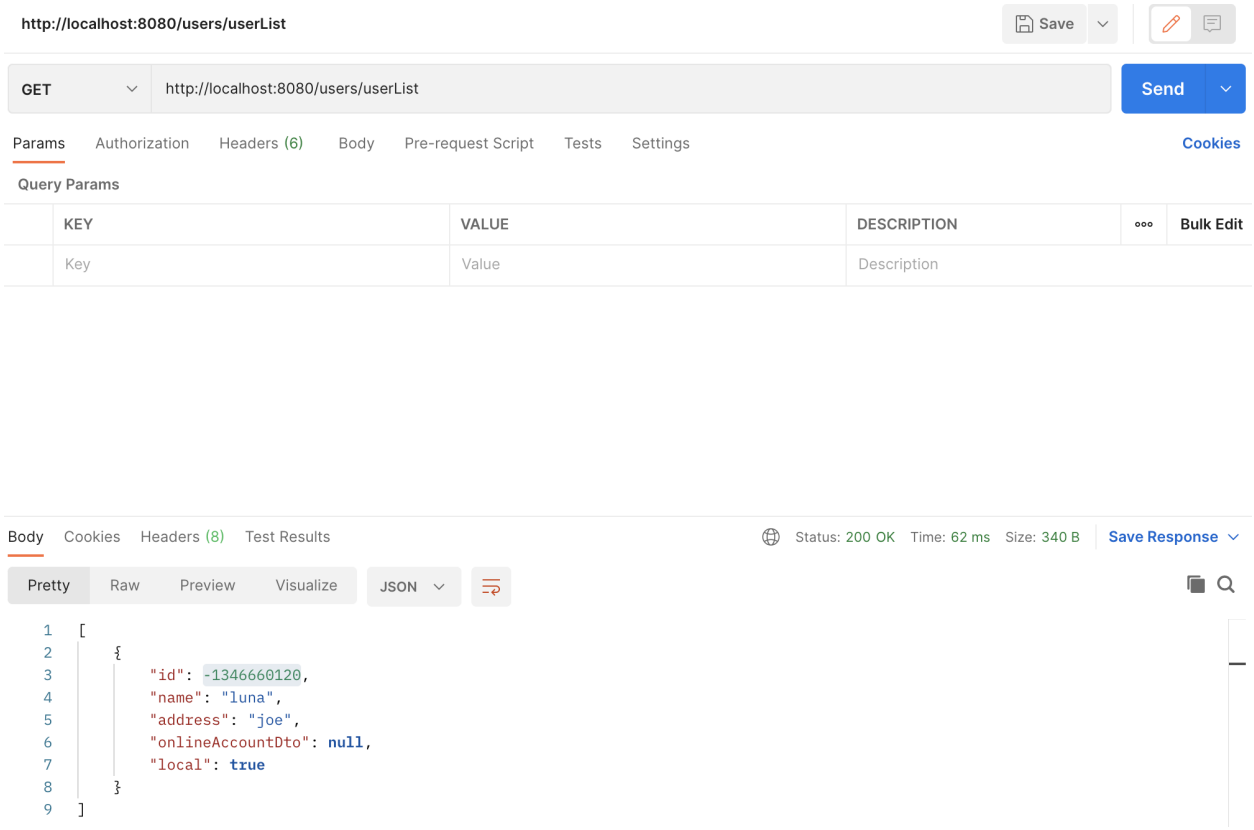
43. `deleteUserById`



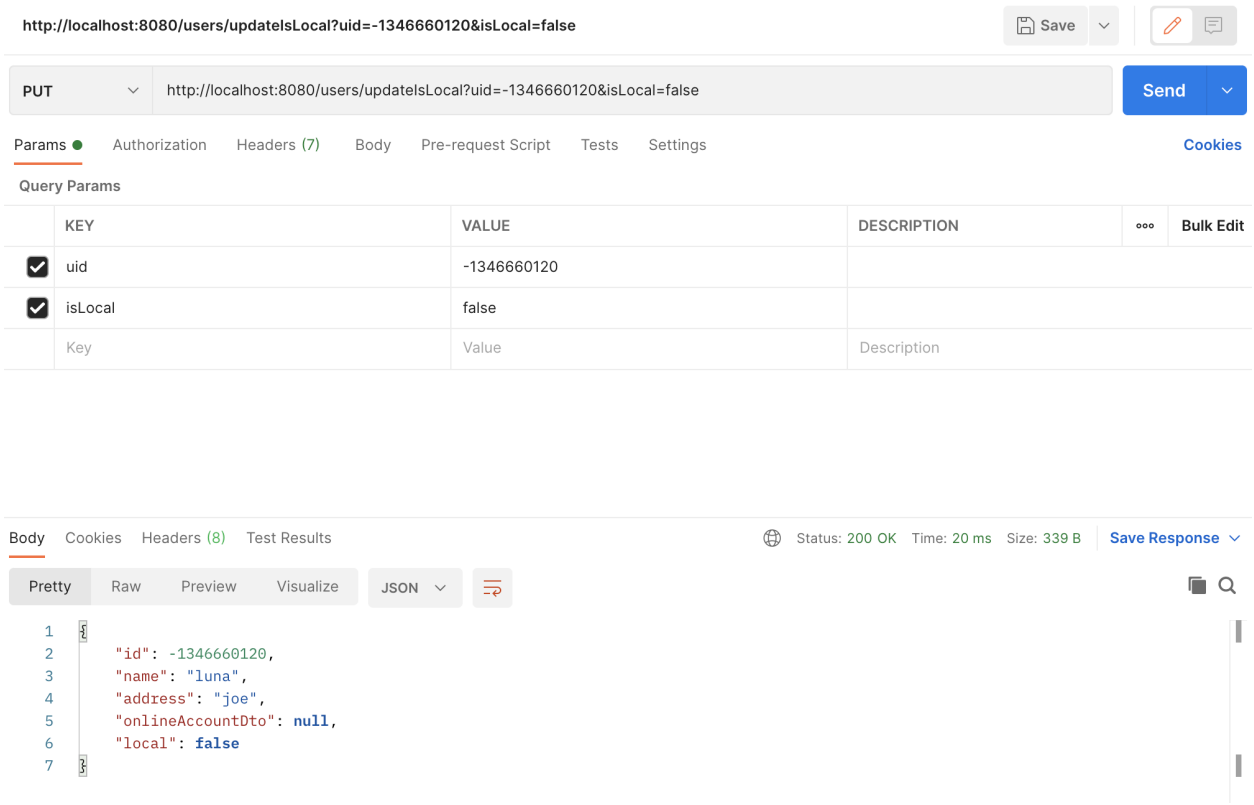
44. `createUsers`



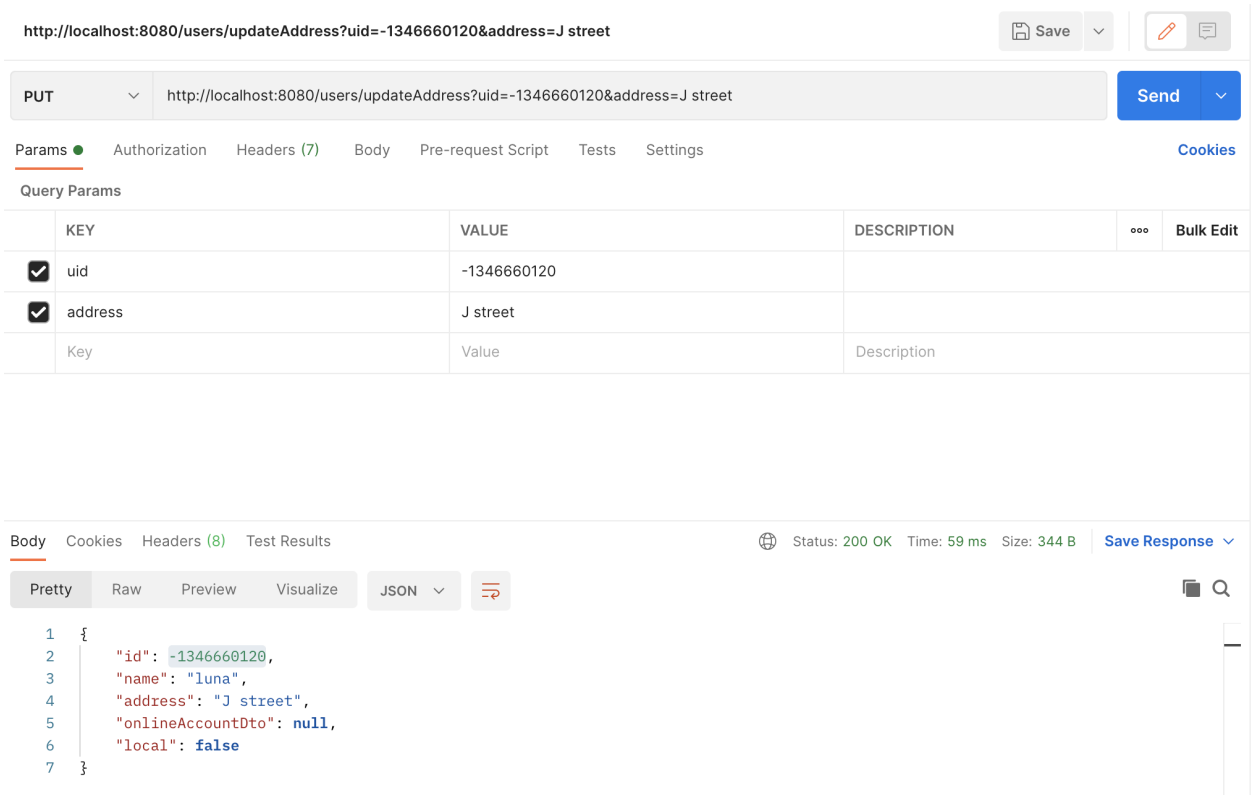
45. `getAllUsers`



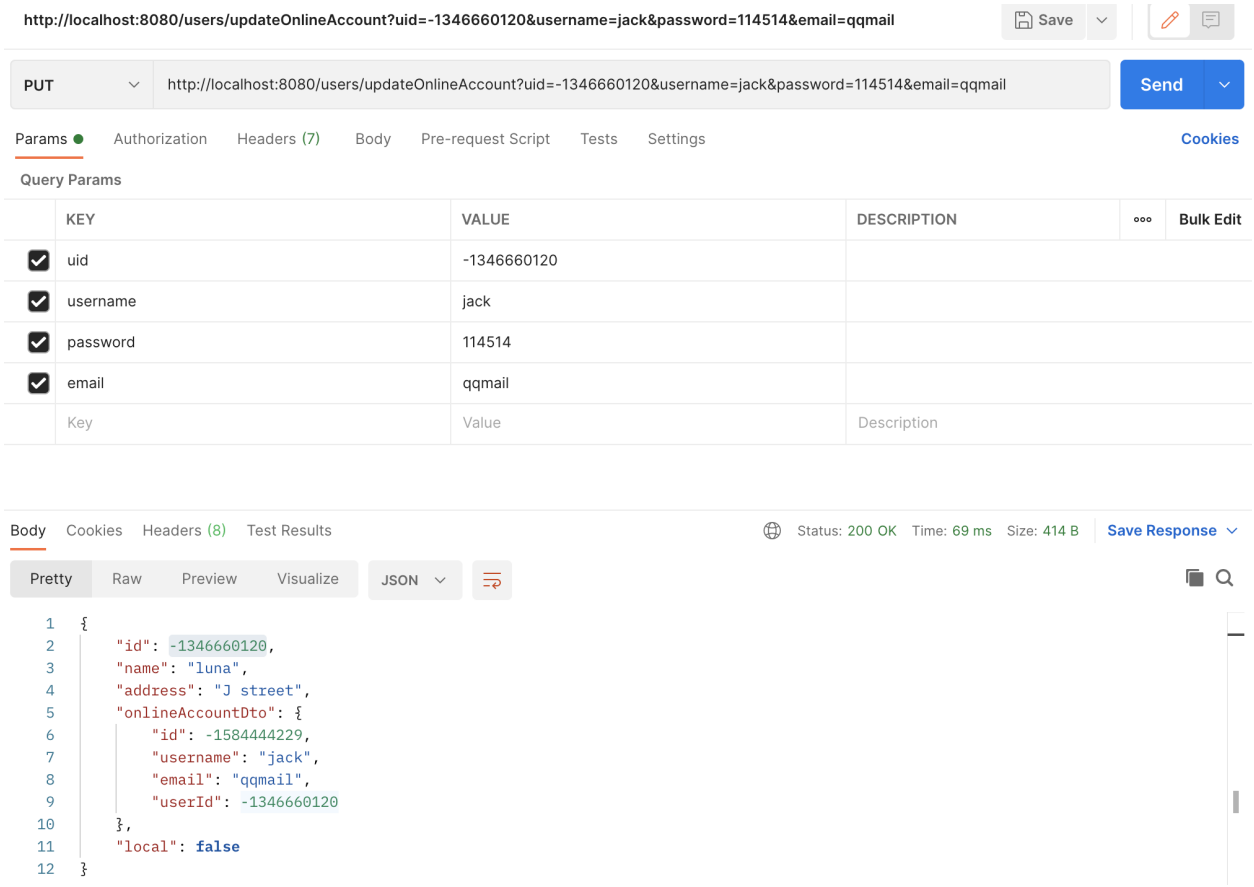
46. `updateIsLocal`



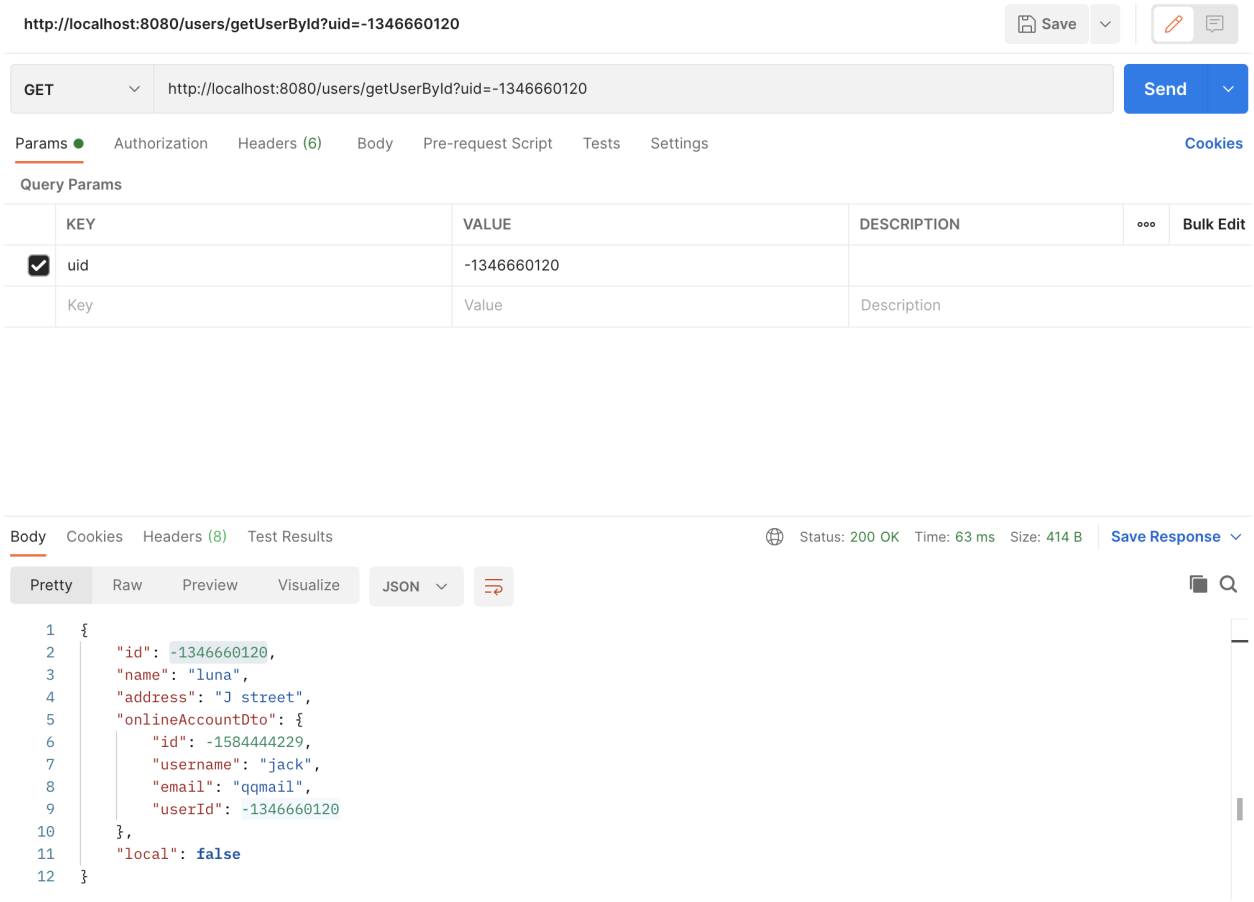
47. `updateAddress`



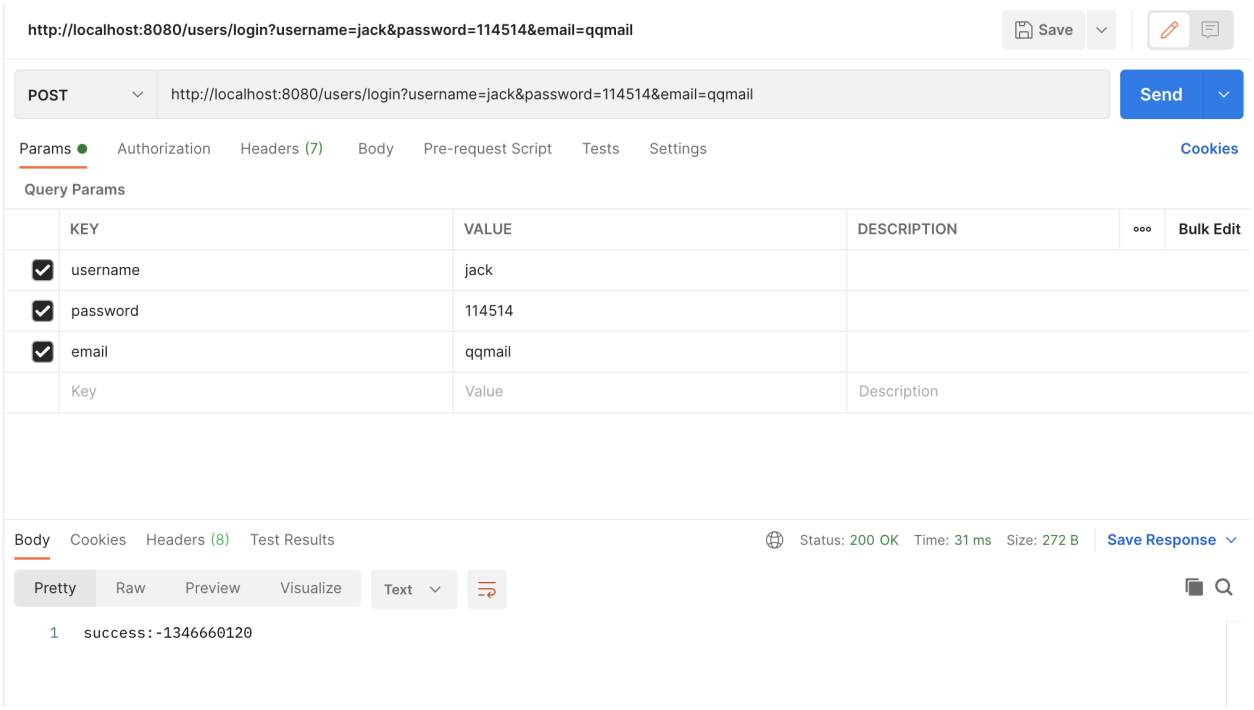
48. `updateOnlineAccount`



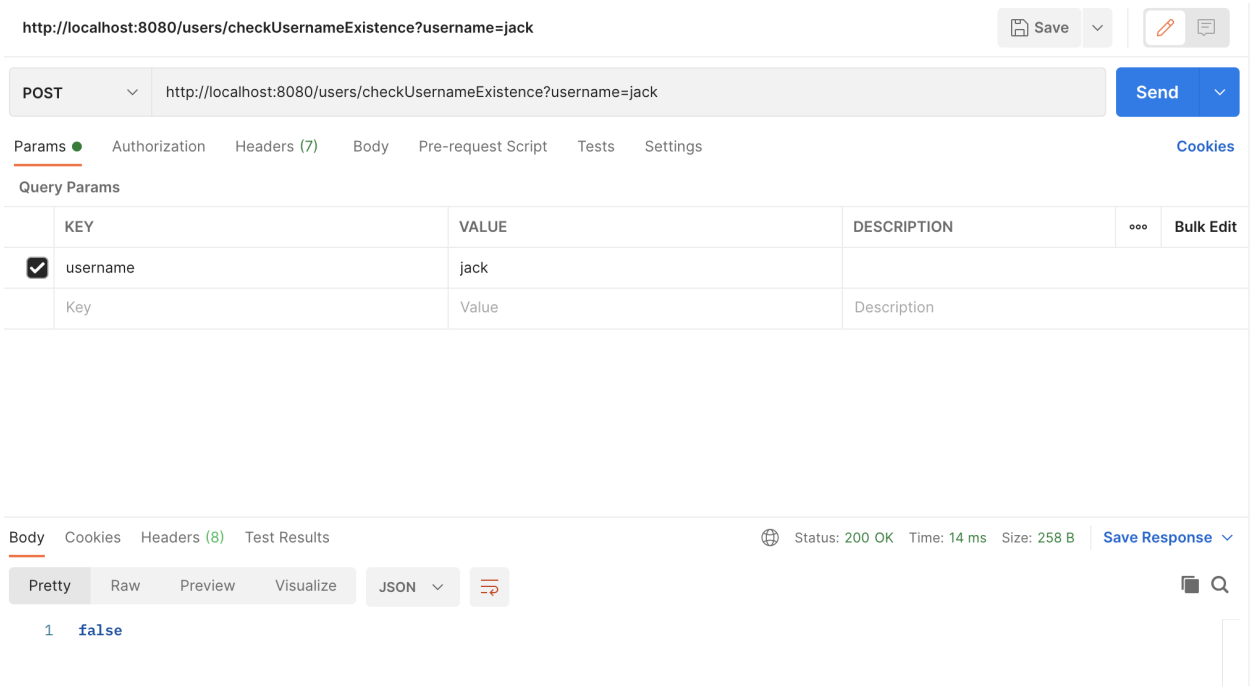
49. `getUserById`



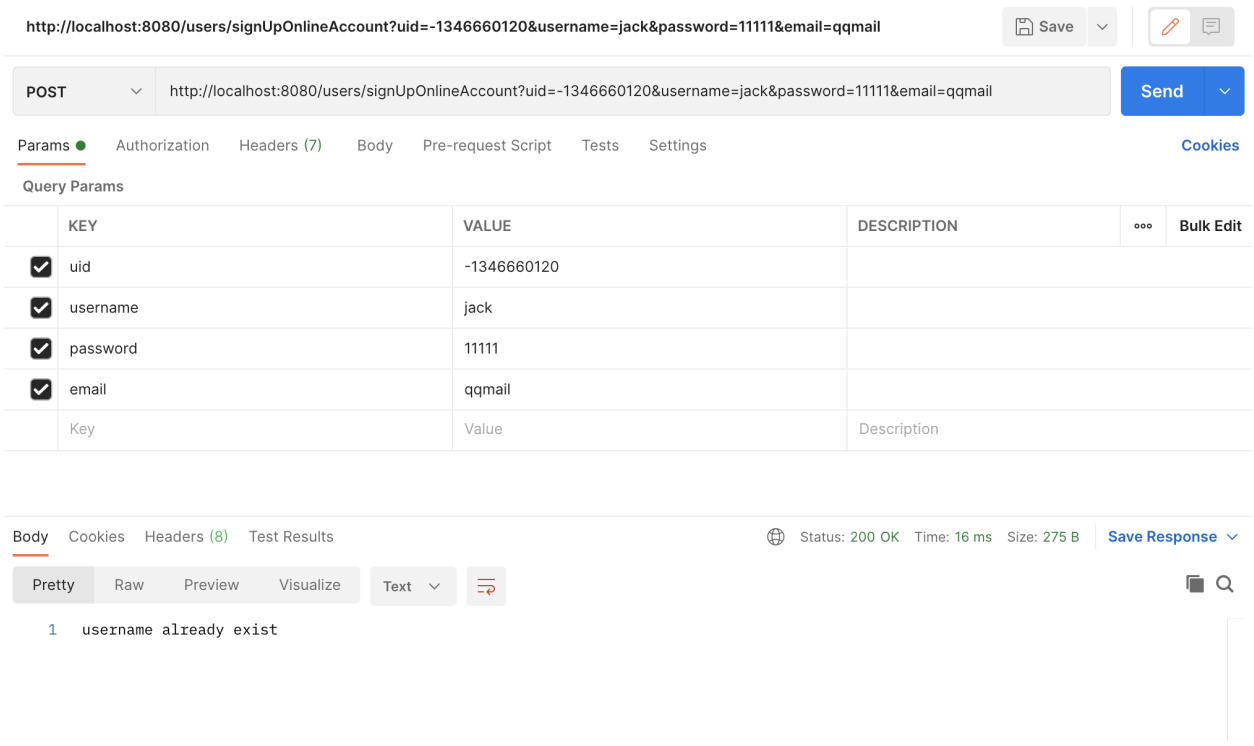
50.`login`


http://localhost:8080/users/login?username=jack&password=114514&email=qqmail
Save
POST
http://localhost:8080/users/login?username=jack&password=114514&email=qqmail
Send
Params
Authorization
Headers (7)
Body
Pre-request Script
Tests
Settings
Cookies
Query Params
KEY
VALUE
DESCRIPTION
Bulk Edit
username
jack
password
114514
email
qqmail
Key
Value
Description
Body
Cookies
Headers (8)
Test Results
Status: 200 OK
Time: 31 ms
Size: 272 B
Save Response
Pretty
Raw
Preview
Visualize
Text
1 success:-1346660120

51. `checkUsernameExistence`



52. `signUp`



53. `initialize`