IT314 Software Engineering Project

Charity Wallet

Group: 8

Unit Testing

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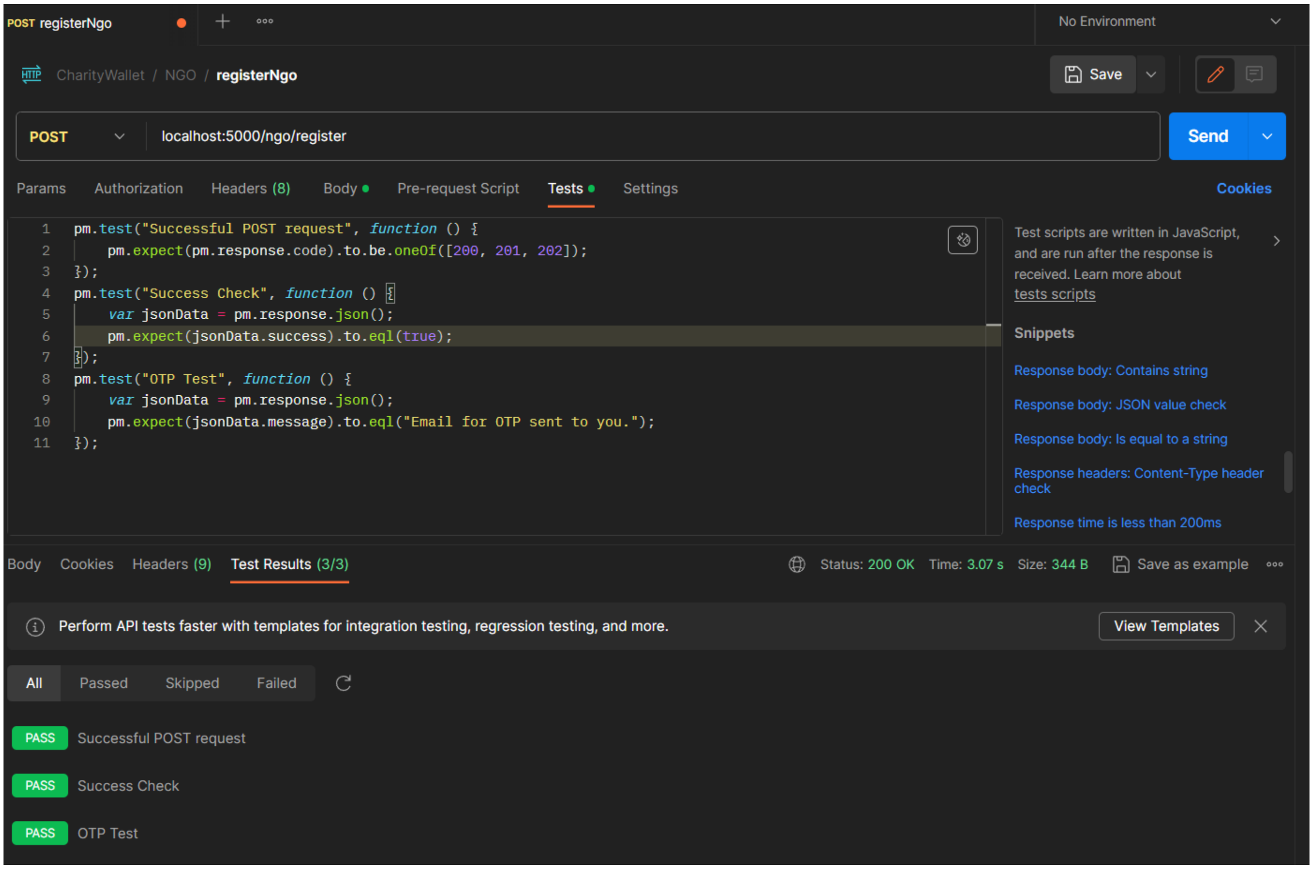
NGOs:

1) Register NGO



POST registerNgo
No Environment
CharityWallet / NGO / registerNgo
Save
Send
Params
Authorization
Headers (8)
Body
Pre-request Script
Tests
Settings
Cookies
Test scripts are written in JavaScript, and are run after the response is received. Learn more about tests scripts
Snippets
Response body: Contains string
Response body: JSON value check
Response body: Is equal to a string
Response headers: Content-Type header check
Response time is less than 200ms
Body
Cookies
Headers (9)
Test Results (3/3)
Save as example
Perform API tests faster with templates for integration testing, regression testing, and more.
View Templates
All
Passed
Skipped
Failed

POST localhost:5000/ngo/register

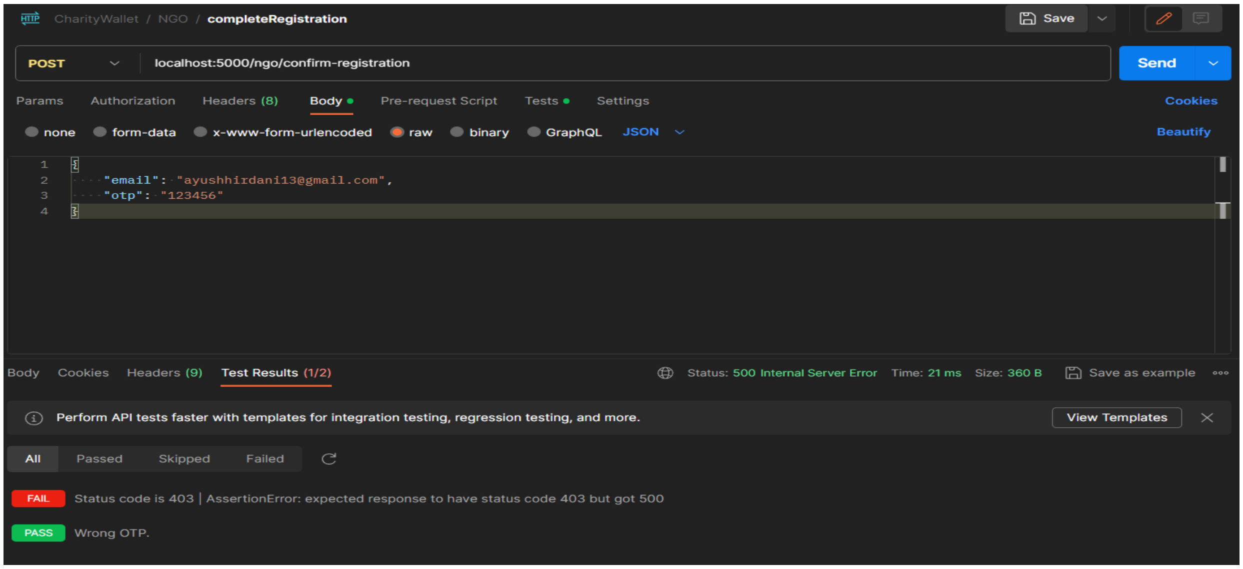
```
pm.test("Successful POST request", function () {
    pm.expect(pm.response.code).to.be.oneOf([200, 201, 202]);
});
pm.test("Success Check", function () {
    var jsonData = pm.response.json();
    pm.expect(jsonData.success).to.eql(true);
});
pm.test("OTP Test", function () {
    var jsonData = pm.response.json();
    pm.expect(jsonData.message).to.eql("Email for OTP sent to you.");
});
```

Status: 200 OK Time: 3.07 s Size: 344 B

```
PASS  Successful POST request
PASS  Success Check
PASS  OTP Test
```

2) Confirm NGO Registration with Email

First try with Wrong OTP



POST localhost:5000/ngo/confirm-registration

```
{
    "email": "ayushhirdani13@gmail.com",
    "otp": "123456"
}
```

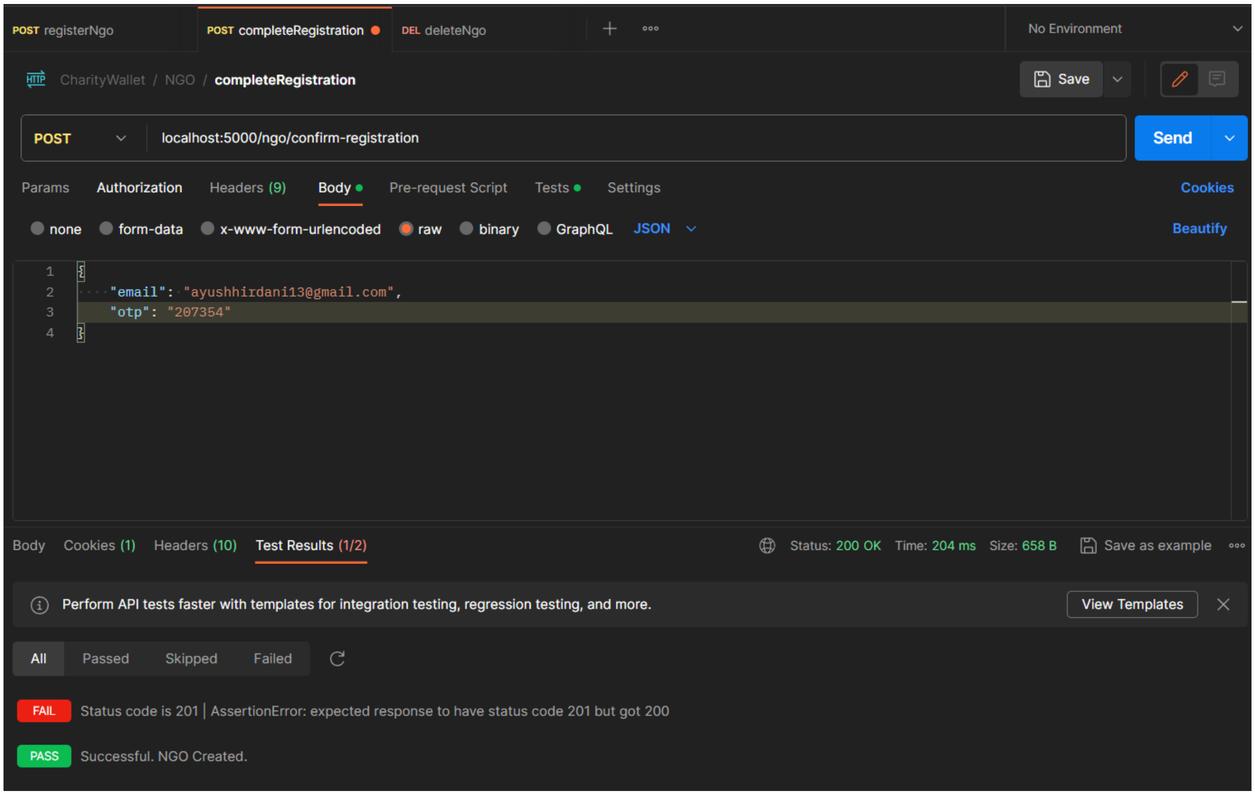
Status: 500 Internal Server Error Time: 21 ms Size: 360 B

Perform API tests faster with templates for integration testing, regression testing, and more.

FAIL Status code is 403 | AssertionError: expected response to have status code 403 but got 500

PASS Wrong OTP.

Then with the correct OTP.



POST localhost:5000/ngo/confirm-registration

```
{
    "email": "ayushhirdani13@gmail.com",
    "otp": "207354"
}
```

Status: 200 OK Time: 204 ms Size: 658 B

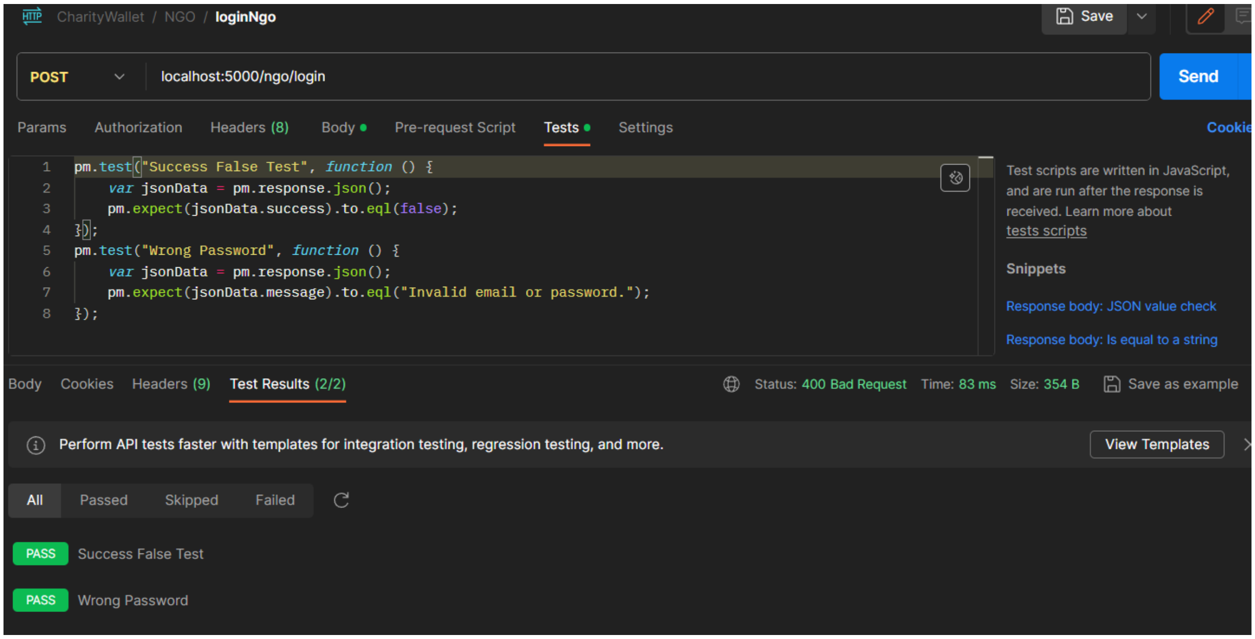
Perform API tests faster with templates for integration testing, regression testing, and more.

FAIL Status code is 201 | AssertionError: expected response to have status code 201 but got 200

PASS Successful. NGO Created.

3) Login NGO

With wrong Password



```
pm.test("Success False Test", function () {
    var jsonData = pm.response.json();
    pm.expect(jsonData.success).to.eql(false);
});
pm.test("Wrong Password", function () {
    var jsonData = pm.response.json();
    pm.expect(jsonData.message).to.eql("Invalid email or password.");
});
```

Test scripts are written in JavaScript, and are run after the response is received. Learn more about tests scripts

Snippets

Response body: JSON value check

Response body: Is equal to a string

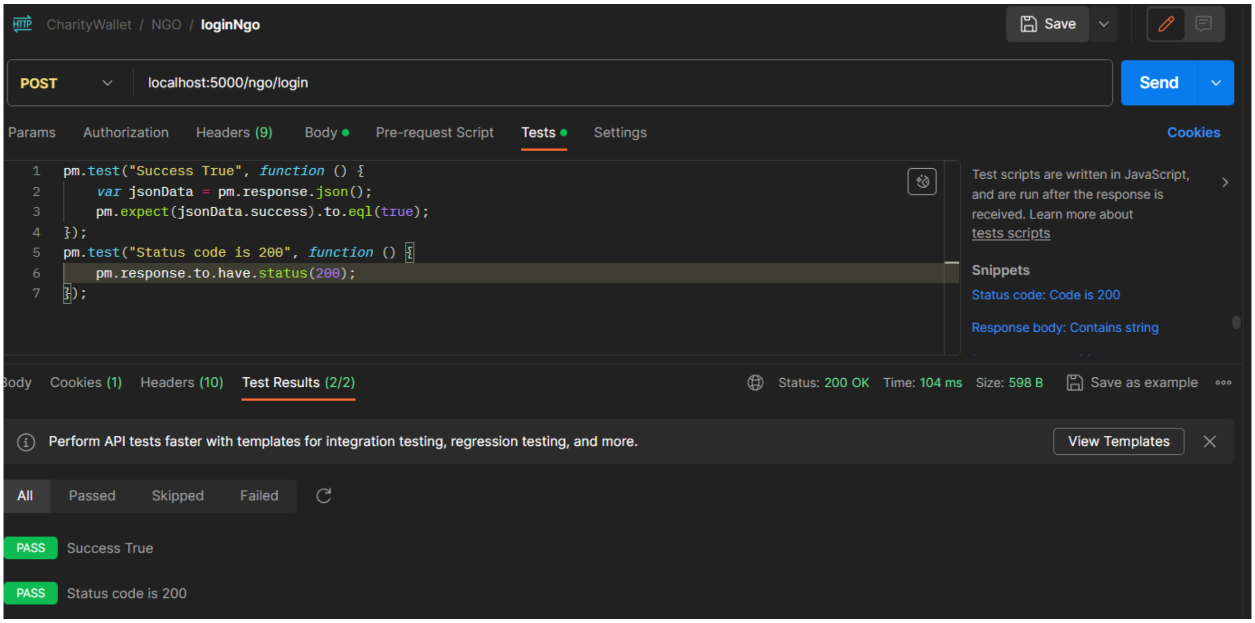
Status: 400 Bad Request Time: 83 ms Size: 354 B

Perform API tests faster with templates for integration testing, regression testing, and more.

PASS Success False Test

PASS Wrong Password

With Correct Password



```
pm.test("Success True", function () {
    var jsonData = pm.response.json();
    pm.expect(jsonData.success).to.eql(true);
});
pm.test("Status code is 200", function () {
    pm.response.to.have.status(200);
});
```

Test scripts are written in JavaScript, and are run after the response is received. Learn more about tests scripts

Snippets

Status code: Code is 200

Response body: Contains string

Status: 200 OK Time: 104 ms Size: 598 B

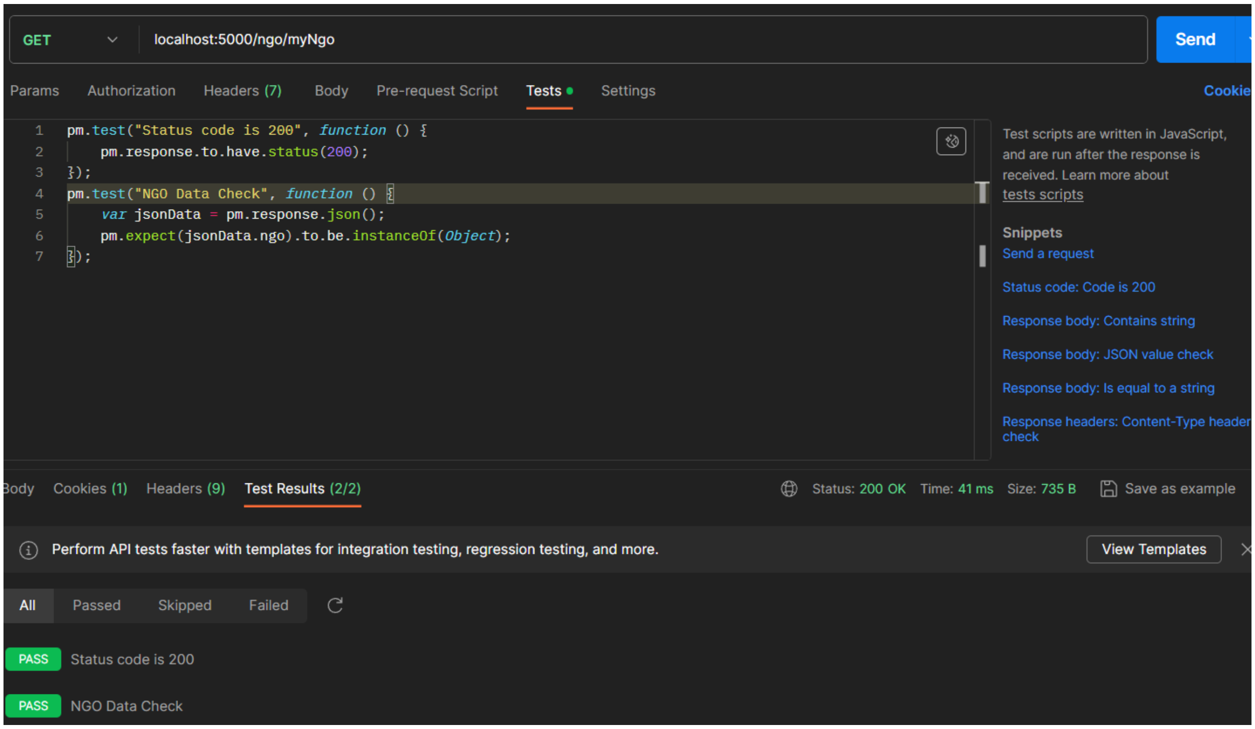
Perform API tests faster with templates for integration testing, regression testing, and more.

PASS Success True

PASS Status code is 200

4) Getting My NGO Profile

While logged in



localhost:5000/ngo/myNgo

```
pm.test("Status code is 200", function () {
    pm.response.to.have.status(200);
});
pm.test("NGO Data Check", function () {
    var jsonData = pm.response.json();
    pm.expect(jsonData.ngo).to.be.instanceOf(Object);
});
```

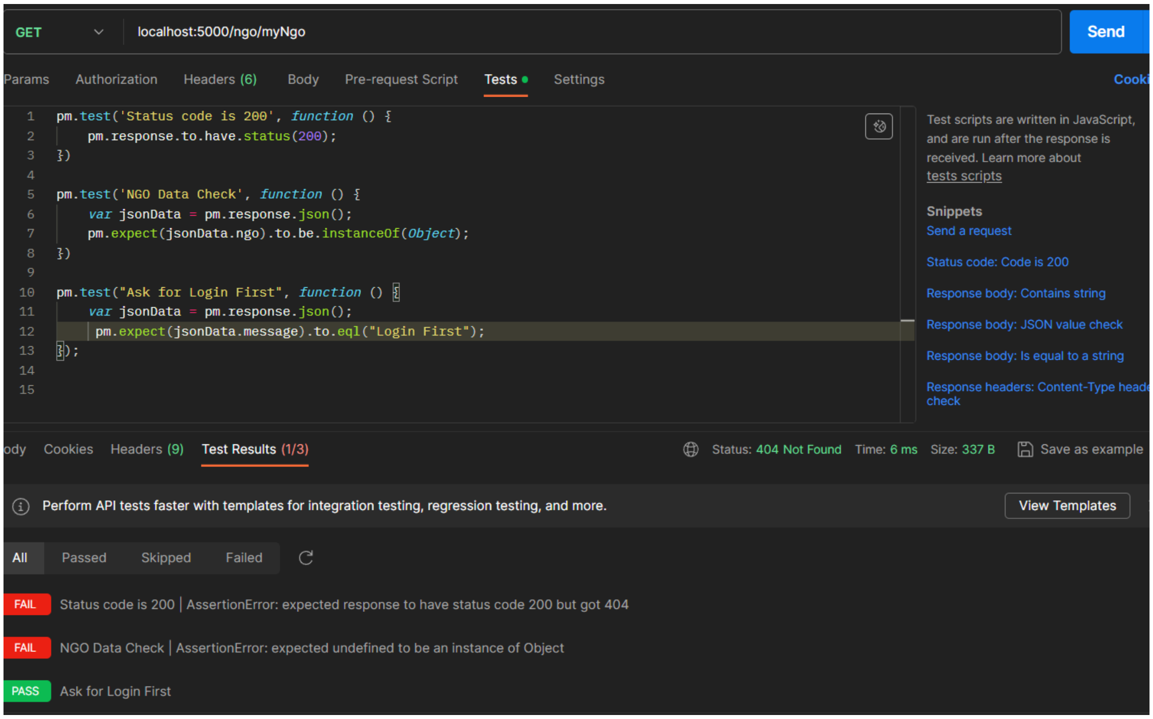
Test scripts are written in JavaScript, and are run after the response is received. Learn more about tests scripts

Status: 200 OK Time: 41 ms Size: 735 B

Perform API tests faster with templates for integration testing, regression testing, and more.

```
PASS  Status code is 200
PASS  NGO Data Check
```

Without Login



localhost:5000/ngo/myNgo

```
pm.test('Status code is 200', function () {
    pm.response.to.have.status(200);
})

pm.test('NGO Data Check', function () {
    var jsonData = pm.response.json();
    pm.expect(jsonData.ngo).to.be.instanceOf(Object);
})

pm.test("Ask for Login First", function () {
    var jsonData = pm.response.json();
     pm.expect(jsonData.message).to.eql("Login First");
});


```

Test scripts are written in JavaScript, and are run after the response is received. Learn more about tests scripts

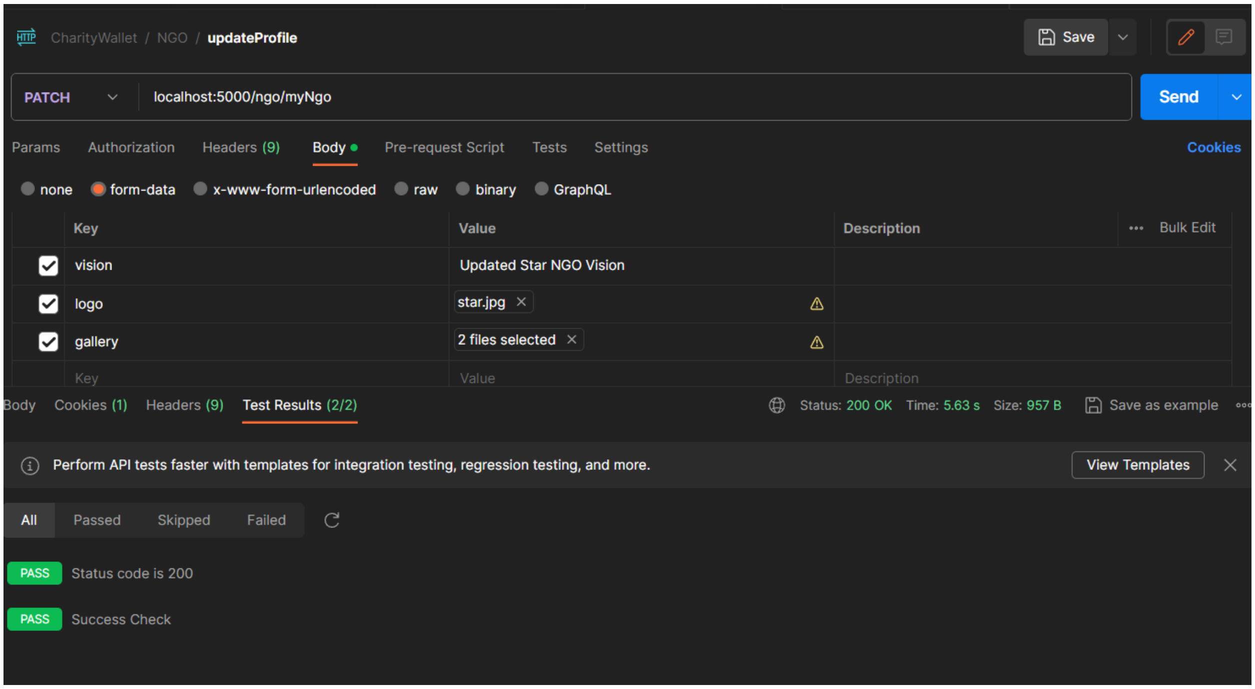
Status: 404 Not Found Time: 6 ms Size: 337 B

Perform API tests faster with templates for integration testing, regression testing, and more.

```
FAIL  Status code is 200 | AssertionError: expected response to have status code 200 but got 404
FAIL  NGO Data Check | AssertionError: expected undefined to be an instance of Object
PASS  Ask for Login First
```

5) Update Profile

Along with Images.



PATCH localhost:5000/ngo/myNgo

○ none ● form-data ○ x-www-form-urlencoded ○ raw ○ binary ○ GraphQL

	Key	Value	Description
☑	vision	Updated Star NGO Vision	
☑	logo	star.jpg ⚠	
☑	gallery	2 files selected ⚠	
	Key	Value	Description

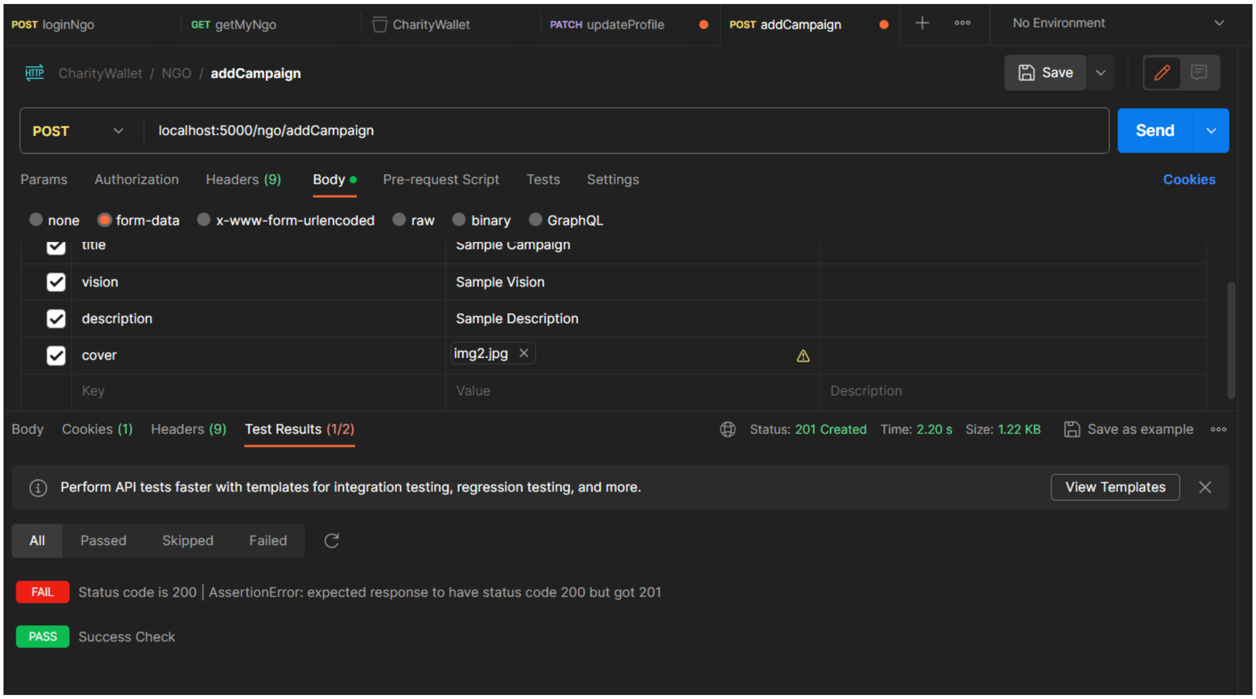
Status: 200 OK Time: 5.63 s Size: 957 B

Perform API tests faster with templates for integration testing, regression testing, and more.

PASS Status code is 200

PASS Success Check

6) Add a New Campaign



POST localhost:5000/ngo/addCampaign

○ none ● form-data ○ x-www-form-urlencoded ○ raw ○ binary ○ GraphQL

	Key	Value	Description
☑	title	Sample Campaign	
☑	vision	Sample Vision	
☑	description	Sample Description	
☑	cover	img2.jpg ⚠	
	Key	Value	Description

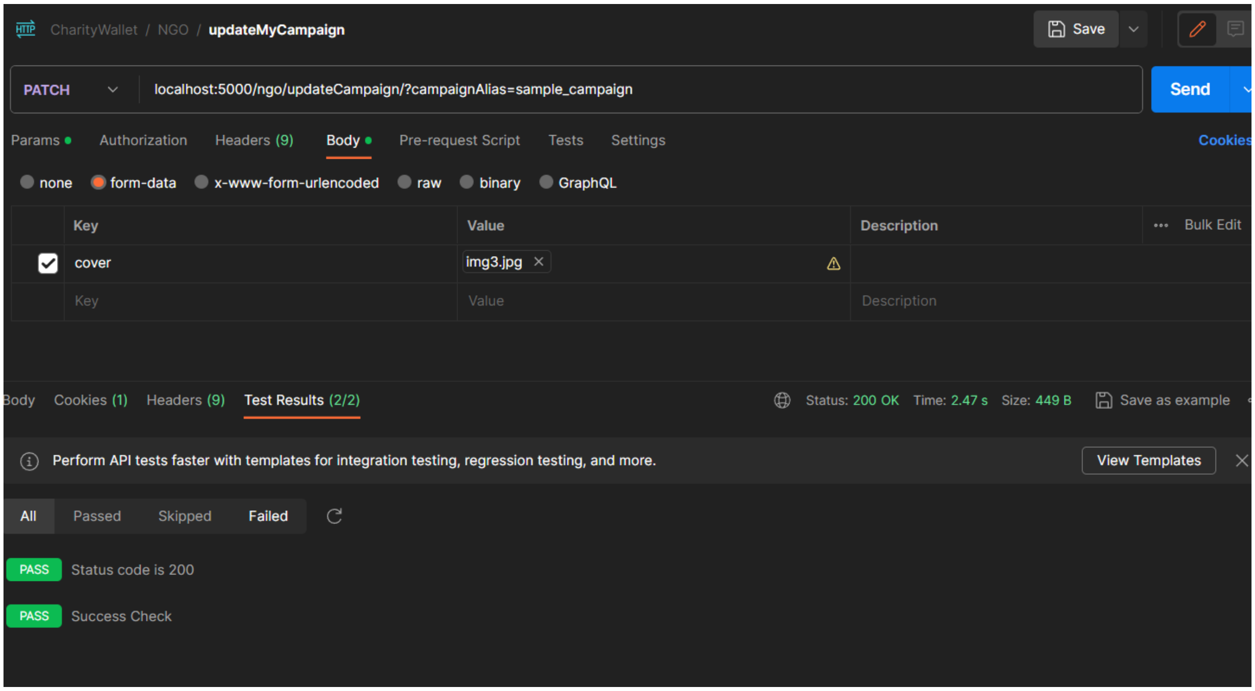
Status: 201 Created Time: 2.20 s Size: 1.22 KB

Perform API tests faster with templates for integration testing, regression testing, and more.

FAIL Status code is 200 | AssertionError: expected response to have status code 200 but got 201

PASS Success Check

7) Update Campaign



PATCH localhost:5000/ngo/updateCampaign/?campaignAlias=sample_campaign

○ none ● form-data ○ x-www-form-urlencoded ○ raw ○ binary ○ GraphQL

	Key	Value	Description
☑	cover	img3.jpg ✕ ⚠	
	Key	Value	Description

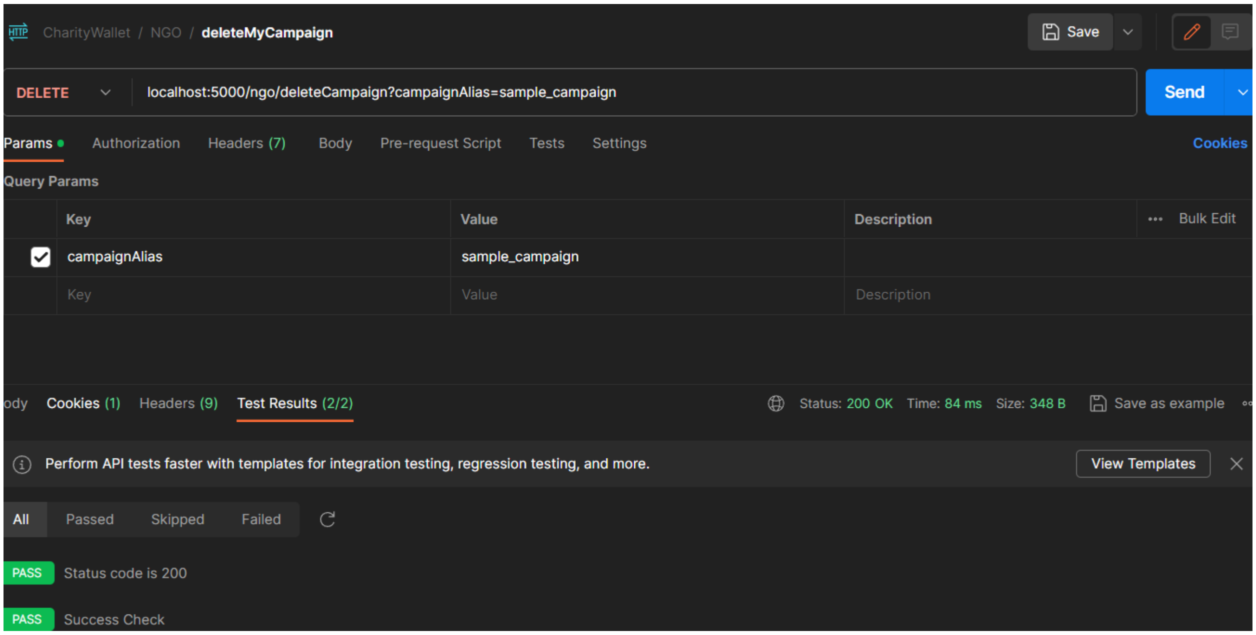
Status: 200 OK Time: 2.47 s Size: 449 B

Perform API tests faster with templates for integration testing, regression testing, and more.

PASS Status code is 200

PASS Success Check

8) Delete Campaign



DELETE localhost:5000/ngo/deleteCampaign?campaignAlias=sample_campaign

Query Params

	Key	Value	Description
☑	campaignAlias	sample_campaign	
	Key	Value	Description

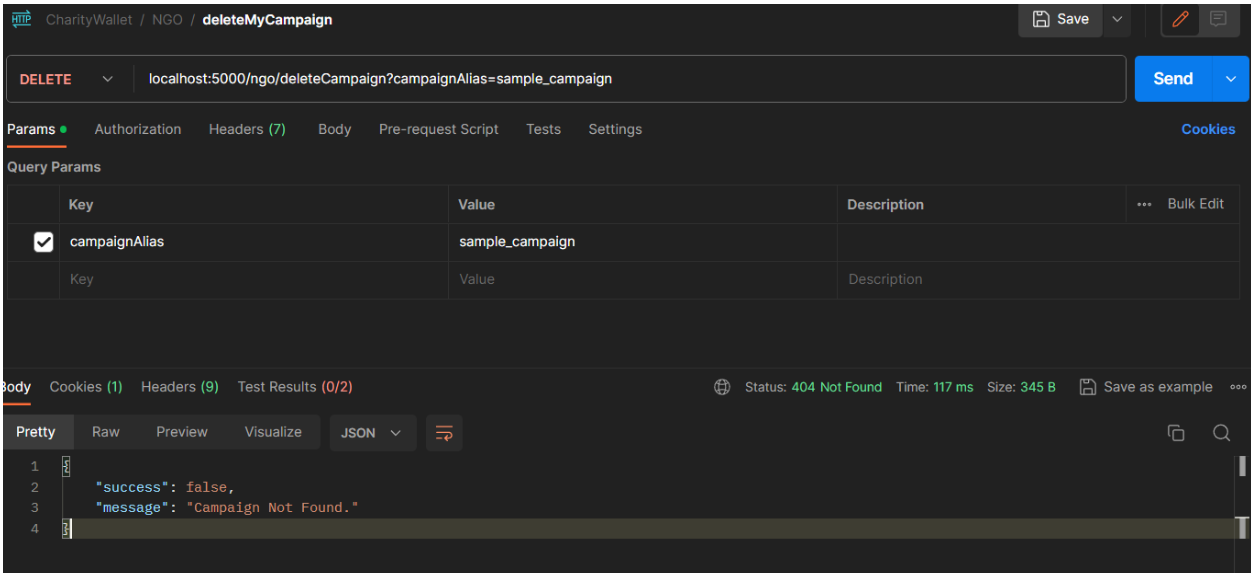
Status: 200 OK Time: 84 ms Size: 348 B

Perform API tests faster with templates for integration testing, regression testing, and more.

PASS Status code is 200

PASS Success Check

Tried deleting same campaign again



DELETE localhost:5000/ngo/deleteCampaign?campaignAlias=sample_campaign

Query Params

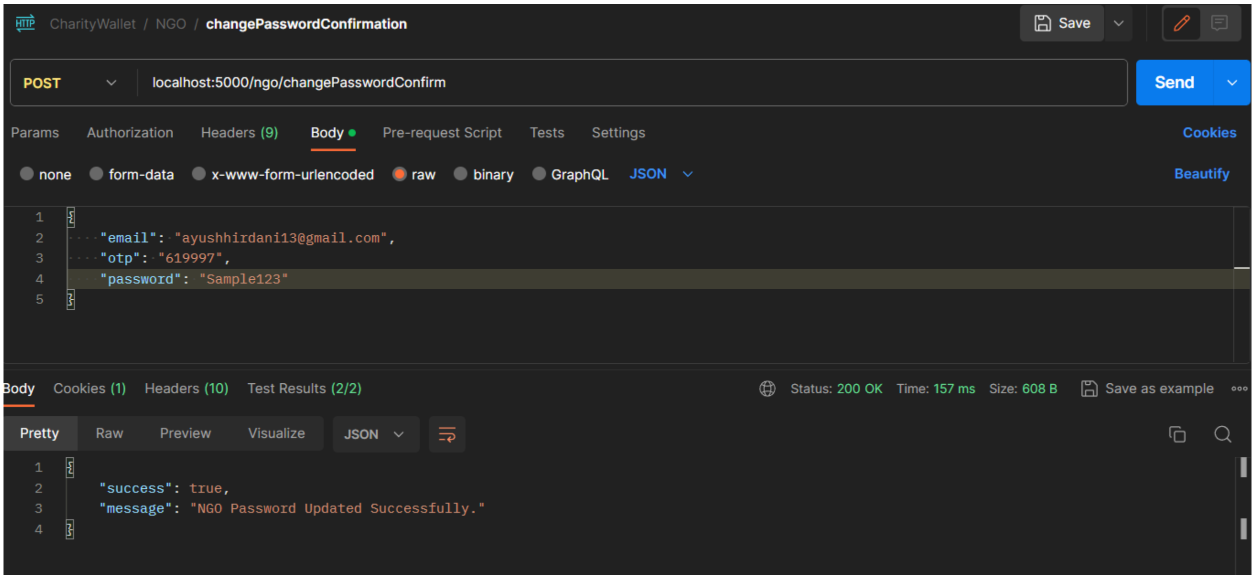
	Key	Value	Description
☑	campaignAlias	sample_campaign	
	Key	Value	Description

Status: 404 Not Found Time: 117 ms Size: 345 B

```
{
    "success": false,
    "message": "Campaign Not Found."
}
```

9) Change Password

Passwords only changed after valid OTP.



POST localhost:5000/ngo/changePasswordConfirm

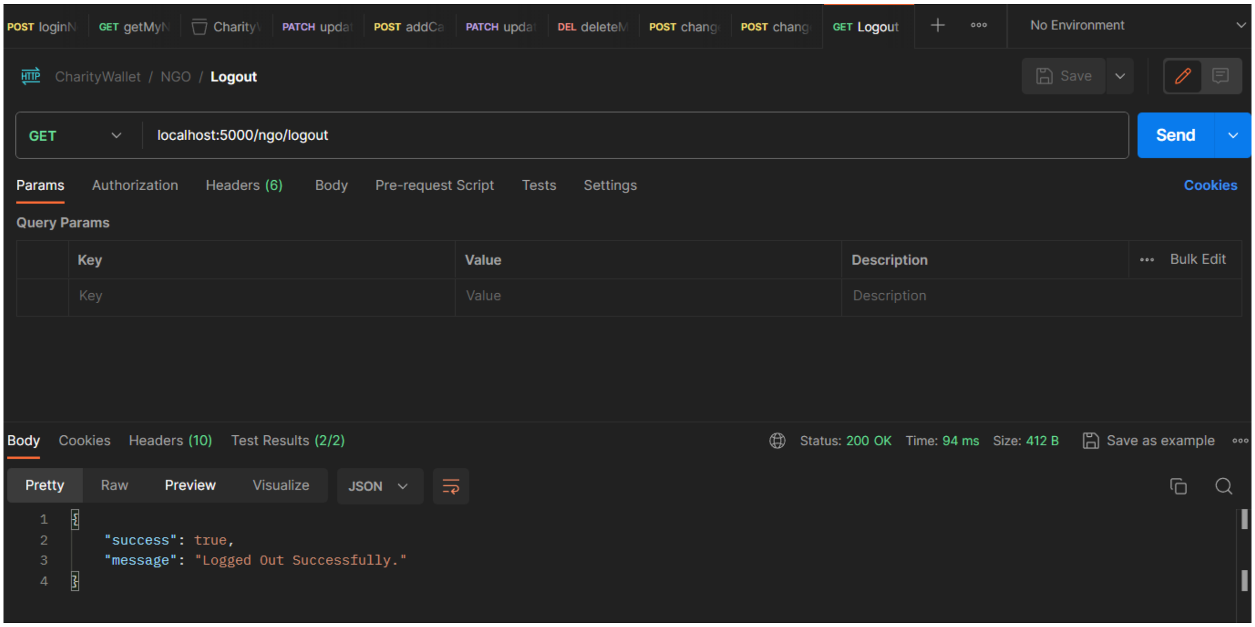
○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{
    "email": "ayushhirdani13@gmail.com",
    "otp": "619997",
    "password": "Sample123"
}
```

Status: 200 OK Time: 157 ms Size: 608 B

```
{
    "success": true,
    "message": "NGO Password Updated Successfully."
}
```

10) Logout

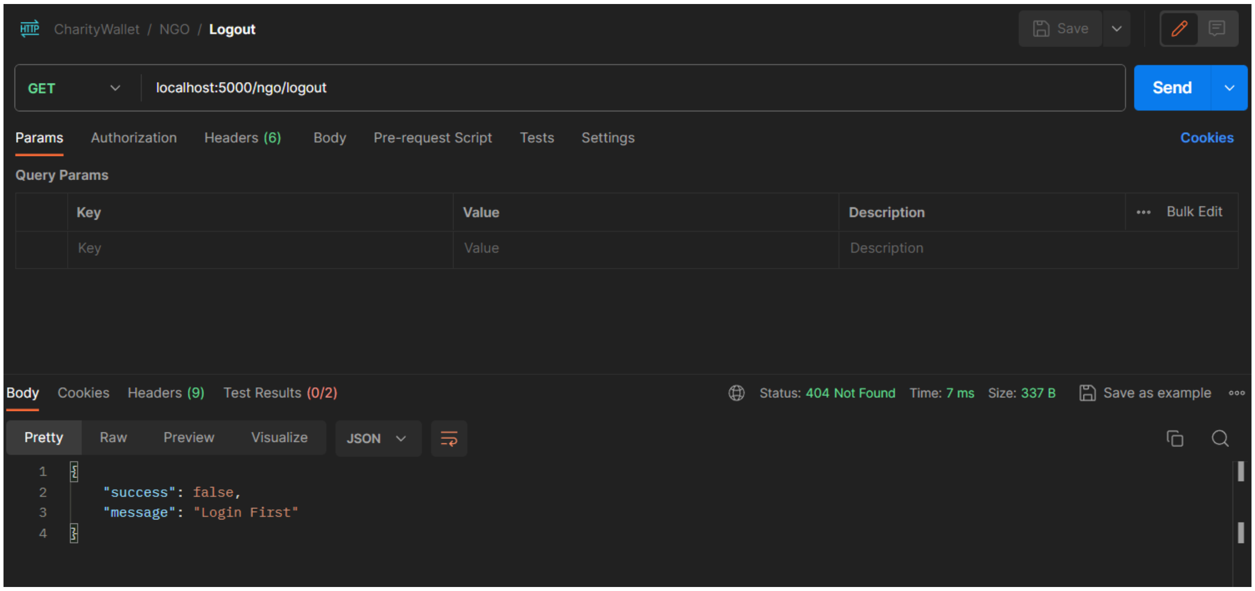


GET localhost:5000/ngo/logout

Status: 200 OK Time: 94 ms Size: 412 B

```
{
    "success": true,
    "message": "Logged Out Successfully."
}
```

Try Logout without Login:



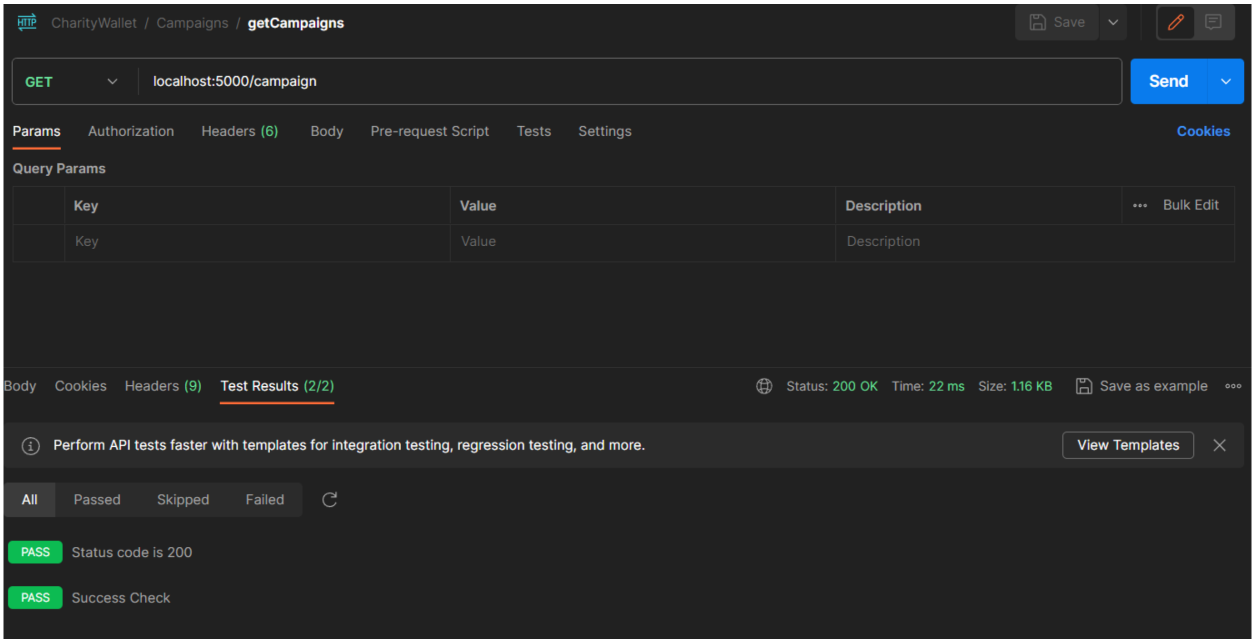
GET localhost:5000/ngo/logout

Status: 404 Not Found Time: 7 ms Size: 337 B

```
{
    "success": false,
    "message": "Login First"
}
```

Campaigns:

1) getCampaigns



CharityWallet / Campaigns / getCampaigns

GET localhost:5000/campaign

Query Params

Key	Value	Description
Key	Value	Description

Status: 200 OK Time: 22 ms Size: 1.16 KB

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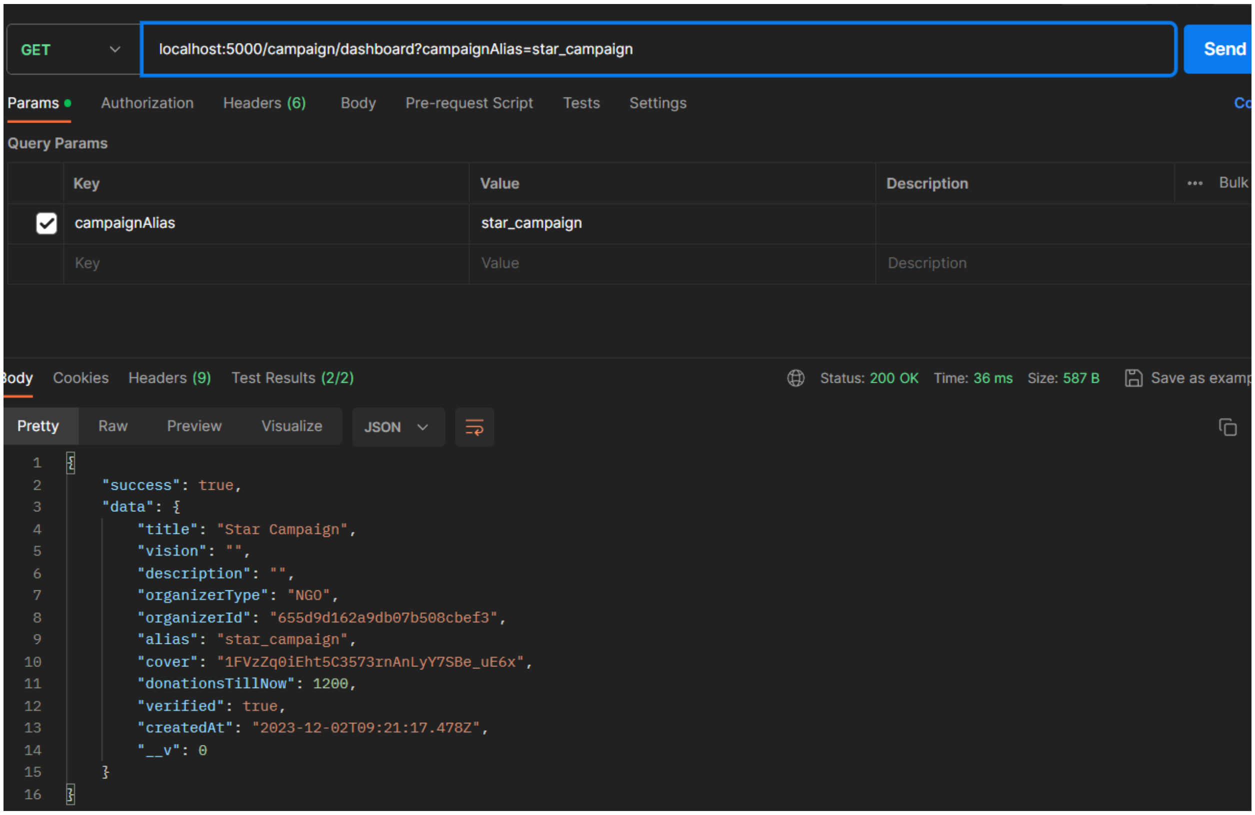
PASS Status code is 200

PASS Success Check

2) Get single campaign by its alias



GET localhost:5000/campaign/dashboard?campaignAlias=star_campaign

Query Params

	Key	Value	Description
☑	campaignAlias	star_campaign	
	Key	Value	Description

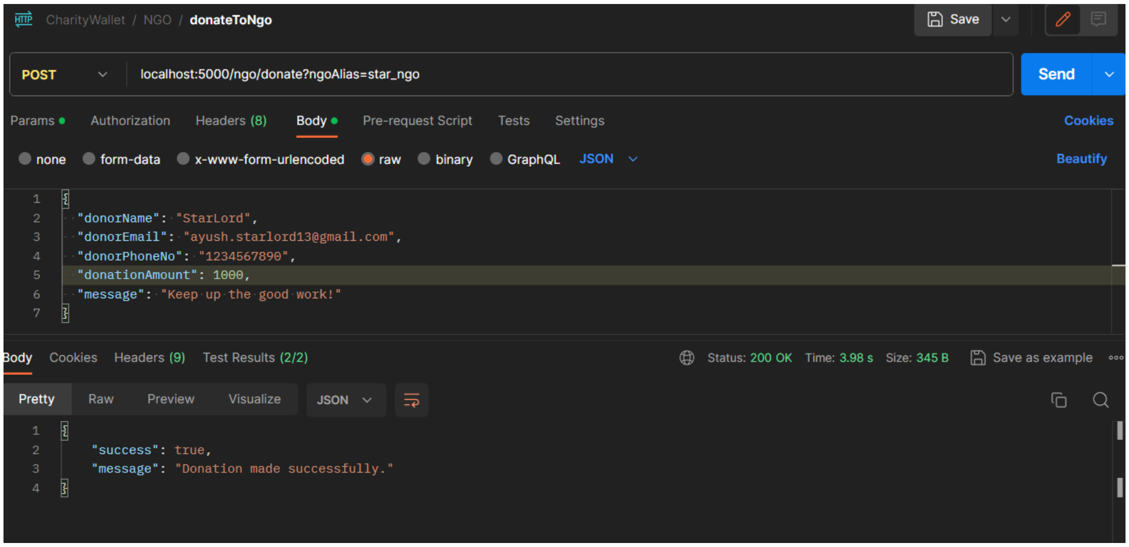
Status: 200 OK Time: 36 ms Size: 587 B

```
{
    "success": true,
    "data": {
        "title": "Star Campaign",
        "vision": "",
        "description": "",
        "organizerType": "NGO",
        "organizerId": "655d9d162a9db07b508cbef3",
        "alias": "star_campaign",
        "cover": "1FVzZq0iEht5C3573rnAnLyY7SBe_uE6x",
        "donationsTillNow": 1200,
        "verified": true,
        "createdAt": "2023-12-02T09:21:17.478Z",
        "__v": 0
    }
}
```

The Login Processes for Organizers and Fundraisers is similar. Due to time constraints, I can’t show the processes.

Donation Process:

1) Donate to NGO



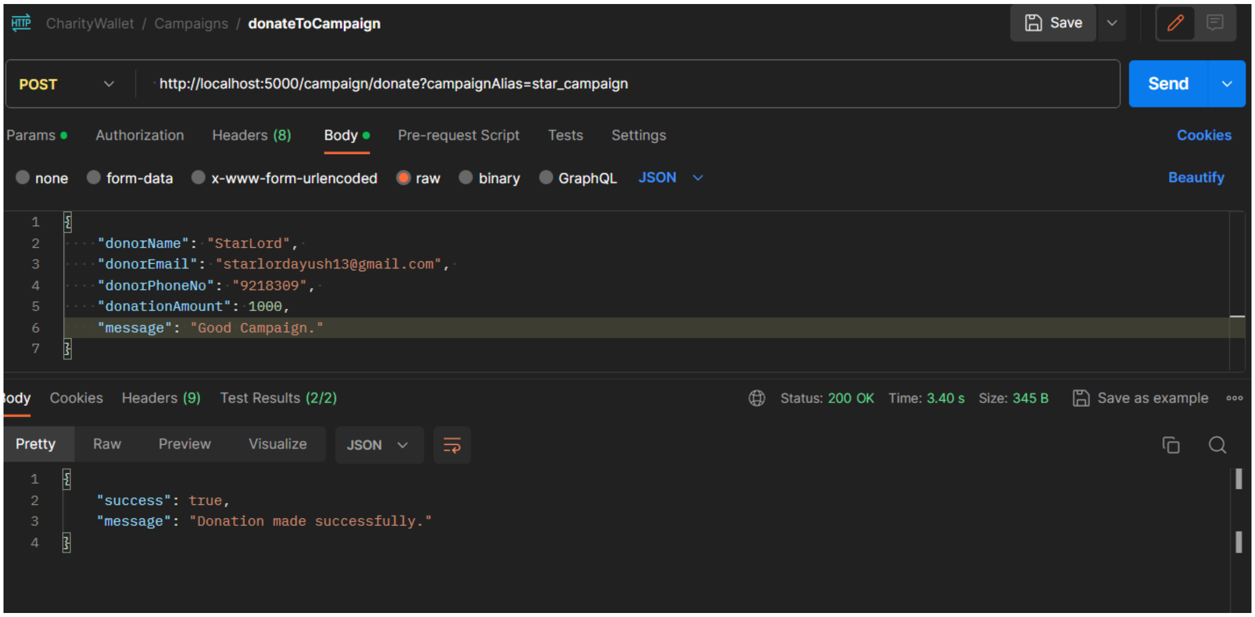
POST localhost:5000/ngo/donate?ngoAlias=star_ngo

```
{
  "donorName": "StarLord",
  "donorEmail": "ayush.starlord13@gmail.com",
  "donorPhoneNo": "1234567890",
  "donationAmount": 1000,
  "message": "Keep up the good work!"
}
```

Status: 200 OK Time: 3.98 s Size: 345 B

```
{
    "success": true,
    "message": "Donation made successfully."
}
```

2) Donate to Campaign



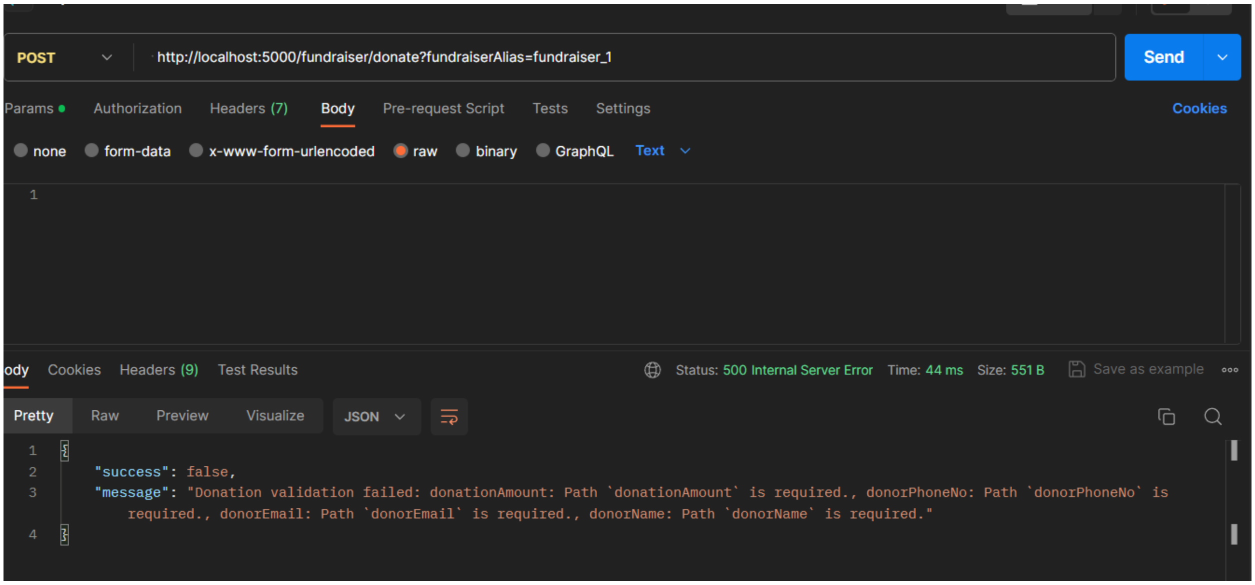
POST http://localhost:5000/campaign/donate?campaignAlias=star_campaign

```
{
    "donorName": "StarLord",
    "donorEmail": "starlordayush13@gmail.com",
    "donorPhoneNo": "9218309",
    "donationAmount": 1000,
    "message": "Good Campaign."
}
```

Status: 200 OK Time: 3.40 s Size: 345 B

```
{
    "success": true,
    "message": "Donation made successfully."
}
```

3) Donate to Fundraiser



POST http://localhost:5000/fundraiser/donate?fundraiserAlias=fundraiser_1

Body: raw, Text

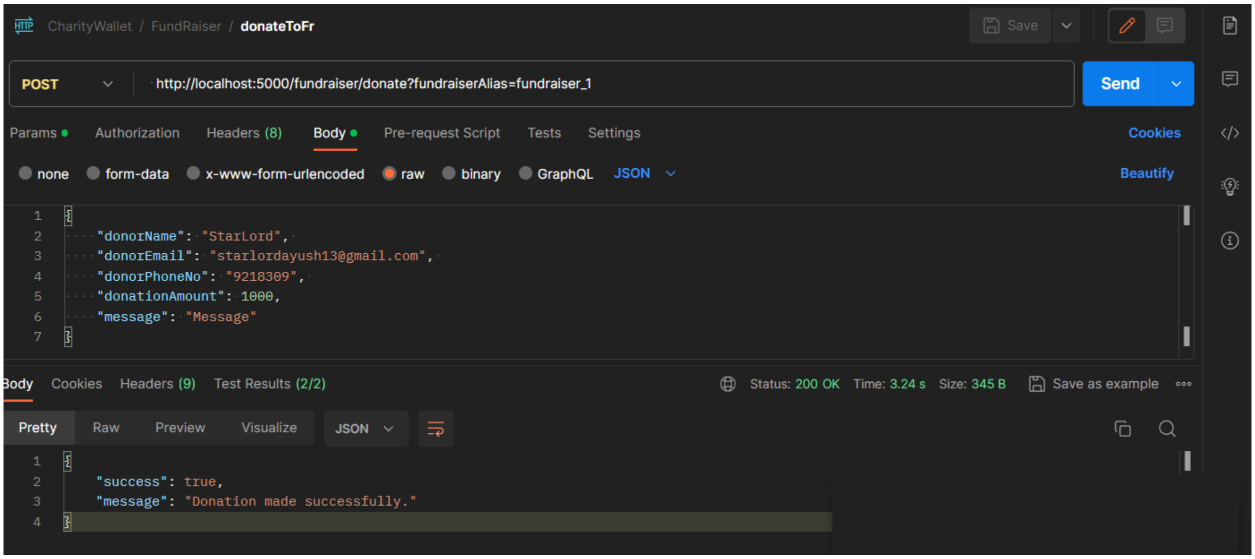
Status: 500 Internal Server Error Time: 44 ms Size: 551 B

JSON

```
{
    "success": false,
    "message": "Donation validation failed: donationAmount: Path `donationAmount` is required., donorPhoneNo: Path `donorPhoneNo` is
       required., donorEmail: Path `donorEmail` is required., donorName: Path `donorName` is required."
}
```

In case of an empty body.

In general Case:



POST http://localhost:5000/fundraiser/donate?fundraiserAlias=fundraiser_1

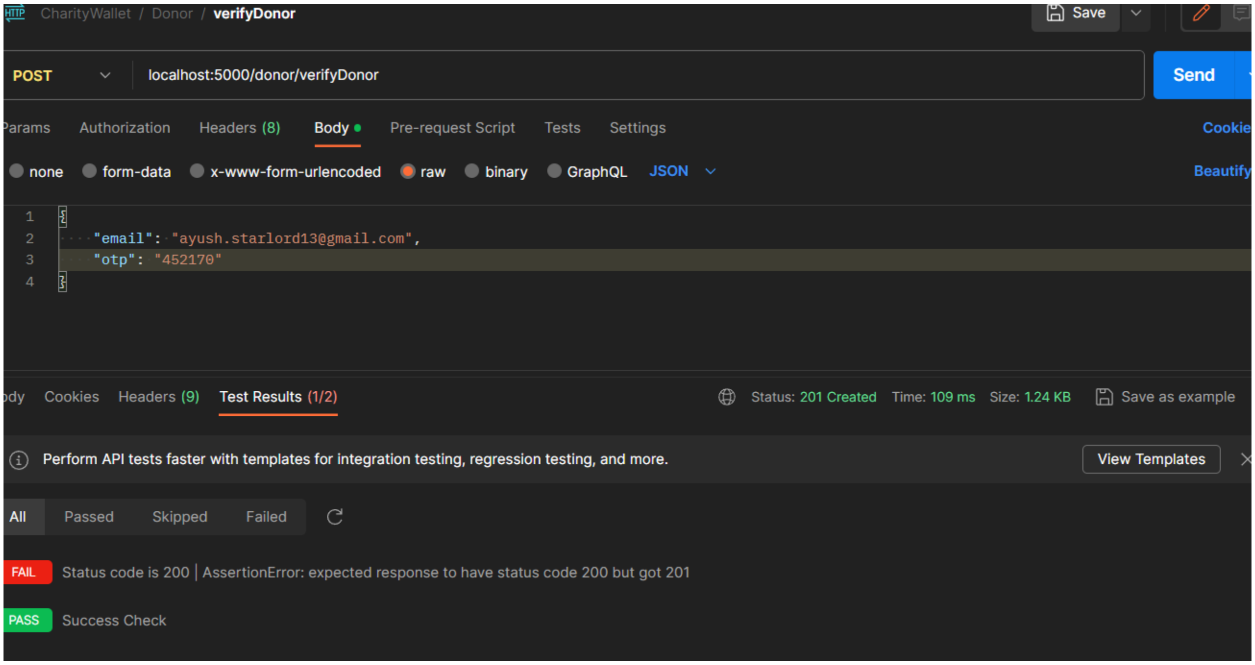
```
{
    "donorName": "StarLord",
    "donorEmail": "starlordayush13@gmail.com",
    "donorPhoneNo": "9218309",
    "donationAmount": 1000,
    "message": "Message"
}
```

Status: 200 OK Time: 3.24 s Size: 345 B

JSON

```
{
    "success": true,
    "message": "Donation made successfully."
}
```

4) View Donor Records



POST localhost:5000/donor/verifyDonor

Body: ● raw, JSON

```
{
    "email": "ayush.starlord13@gmail.com",
    "otp": "452170"
}
```

Status: 201 Created Time: 109 ms Size: 1.24 KB

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```
FAIL Status code is 200 | AssertionError: expected response to have status code 200 but got 201
PASS Success Check
```

In this route, the body is the donation records of the User.

I also ran a whole environment test with certain routes for which I have attached the file ***‘UnitTest.json’***.