Capstone Project		Student Name: Vijina P
API Testing for Contact List Application		

Github repository

The source code and this document has been uploaded to the following git repository;

Url	https://github.com/vijinabalakrishnan/Capstone_Projects/tree/main/Contact_List_Application
Branch	main
Access	Public

```
Test Case 1: Add New User
```

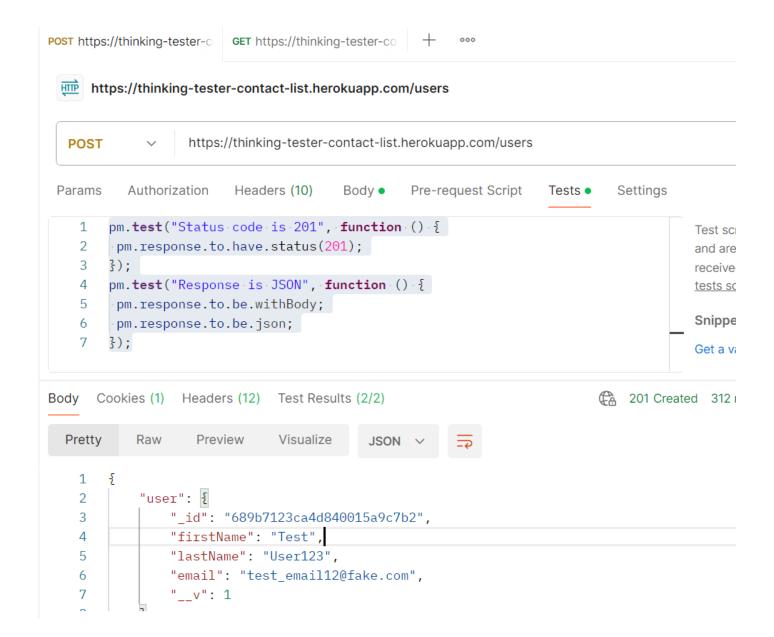
```
Request Type: POST
Endpoint: <a href="https://thinking-tester-contact-list.herokuapp.com/users">https://thinking-tester-contact-list.herokuapp.com/users</a>
Request Payload:
{
         "firstName": "Test",
         "lastName": "User123",
         "email": "test_email12@fake.com",
         "password": "myPassword"
}
Postman Chai Assertions
pm.test("Status code is 201", function () {
pm.response.to.have.status(201);
});
pm.test("Response is JSON", function () {
pm.response.to.be.withBody;
pm.response.to.be.json;
});
```

Response

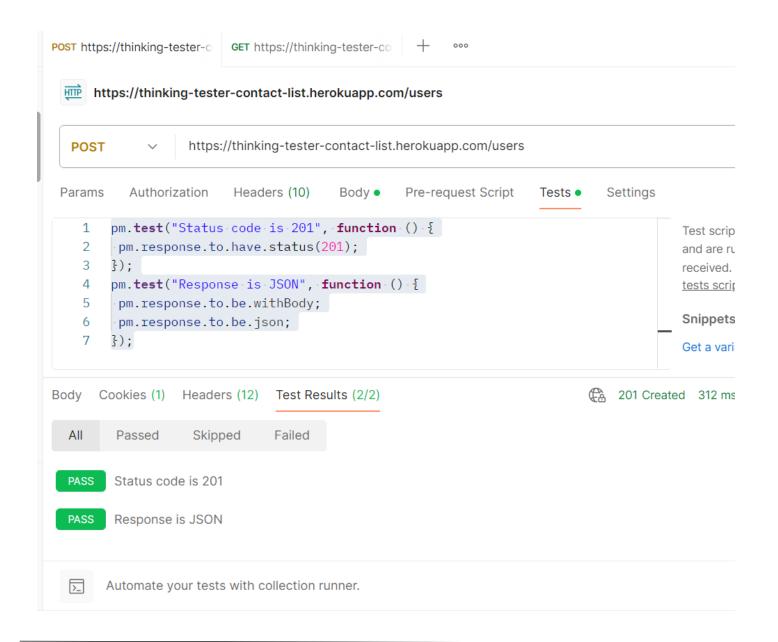
```
"user": {
    "_id": "689b7123ca4d840015a9c7b2",
    "firstName": "Test",
    "lastName": "User123",
    "email": "test_email12@fake.com",
    "__v": 1
},
```

"token": "eyJhbGciOiJIUzl1NilsInR5cCl6lkpXVCJ9.eyJfaWQiOil2ODliNzEyM2NhNGQ4NDAwMTVhOWM3YjIiLCJpYXQ iOjE3NTUwMTc1MDd9.QS68bNqQpuc7Q0f1g4lc_LDFigtpPBTx0cBcgJYr6hc" }

Response Screenshot



Test Results Screenshot



Test Case 2:

Get user Profile Request Type: GET

Endpoint: https://thinking-tester-contact-list.herokuapp.com/users/me

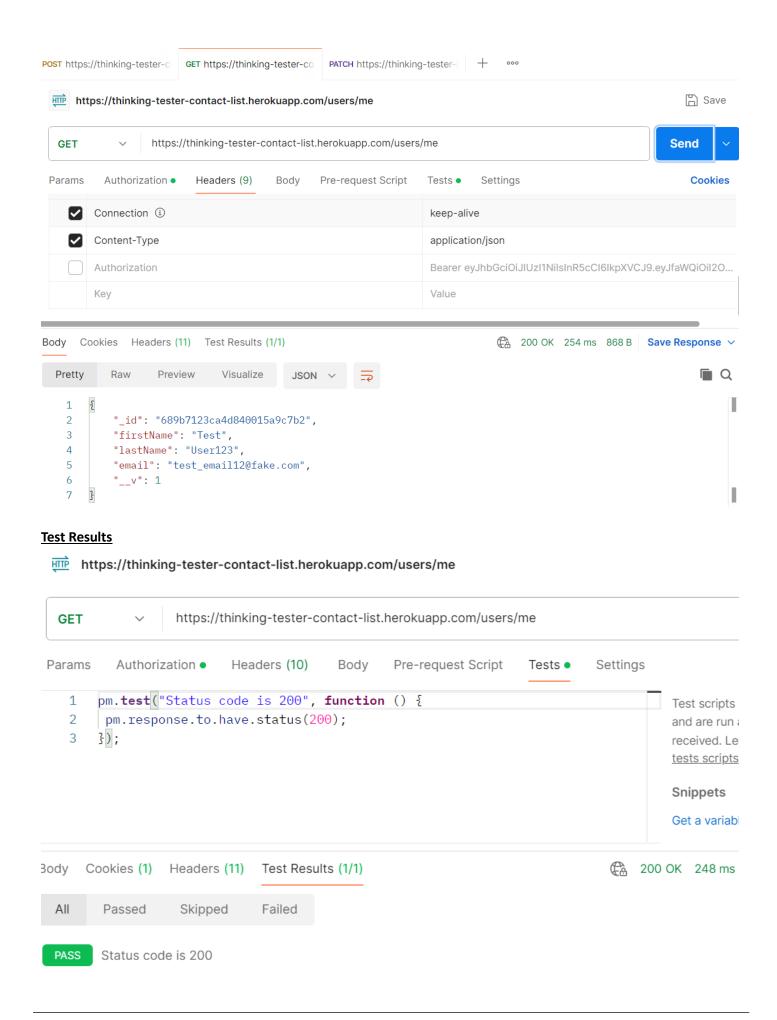
Headers: Authorization Bearer {{token}}

Response Validation: Test for status code and message 200 OK

Postman Chai Assertions

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

Response screenshot



```
Request Type: PATCH
Endpoint: <a href="https://thinking-tester-contact-list.herokuapp.com/users/me">https://thinking-tester-contact-list.herokuapp.com/users/me</a>
Headers: Authorization Bearer {{token}}
Request Payload:
{
         "firstN ame": "Updated",
         "lastName": "Username",
         "email": "test_email12@fake.com",
         "password": "myNewPassword"
}
Validate for status code and message 200 OK
Postman Chai Assertions
pm.test("Status code is 200", function () {
pm.response.to.have.status(200);
});
Response:
 POST https://thinking-teste × GET https://thinking-tester-co
                                                         PATCH https://thinking-tester-
   https://thinking-tester-contact-list.herokuapp.com/users/me
                                                                                                                               Sav
    PATCH
                      https://thinking-tester-contact-list.herokuapp.com/users/me
                                                                                                                            Send
  Params
             Authorization •
                               Headers (11)
                                               Body •
                                                         Pre-request Script
                                                                               Tests •
                                                                                         Settings
                                                                                                                                Cook
            Hide auto-generated headers
  Headers
           Key
                                                                             Value
                                                                                                                                   Bu
           Authorization (1)
                                                                             Bearer eyJhbGciOiJIUzI1NiIsInR5cCl6lkpXVCJ9.eyJfaWQiOil2
           Postman-Token (1)
                                                                             <calculated when request is sent>
           Content-Type (i)
                                                                             text/plain
        Cookies Headers (11)
                                Test Results (1/1)
                                                                                          200 OK 1324 ms 861 B
                                                                                                                       Save Response
 Body
    Pretty
              Raw
                        Preview
                                    Visualize
                                                  JSON
      1
```

Test Result

2

3

4 5

6

"_id": "689b7123ca4d840015a9c7b2",

"email": "test_email12@fake.com",

"firstName": "Test",

"__v": 1

"lastName": "Username",





Test Case 4:

Log In User

Request Type: POST

Endpoint: https://thinking-tester-contact-list.herokuapp.com/users/login

Request Payload:

{ "email": "test_email12@fake.com", "password": "myNewPassword" }

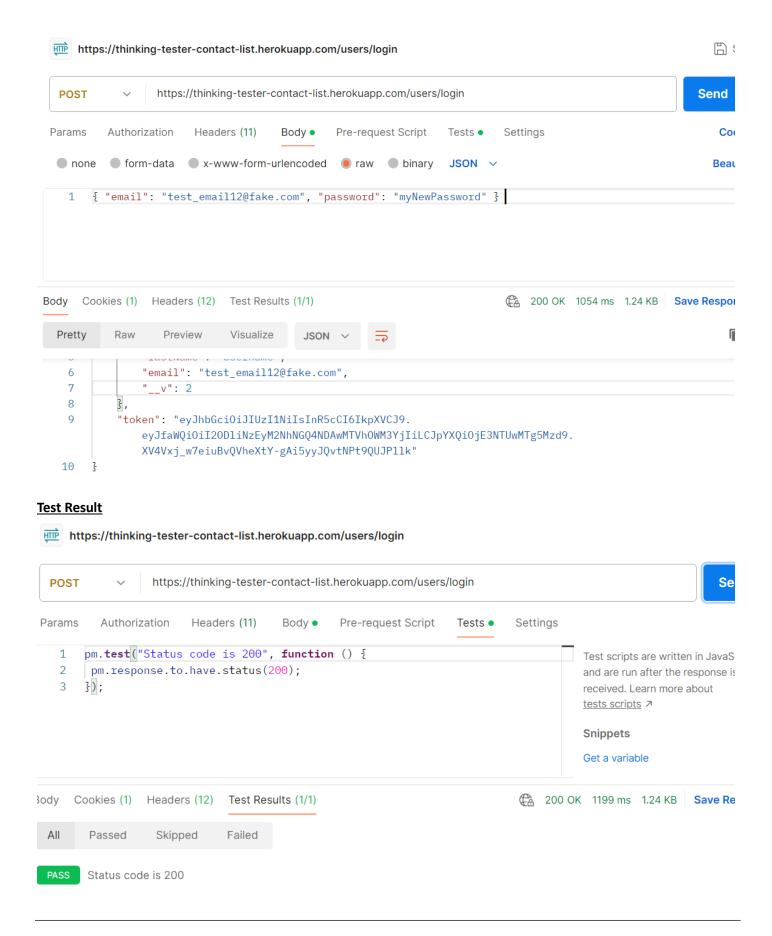
Test it in Postman and Get the Token and validate for status code 200 OK

Postman Chai Assertions

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

Response:
{
    "user": {
        "_id": "689b7123ca4d840015a9c7b2",
        "firstName": "Test",
        "llastName": "Username",
        "email": "test_email12@fake.com",
        "__v": 2
    },
    "token": "eyJhbGciOiJIUz11NilsInR5cCl6lkpXVCJ9.eyJfaWQiOil2ODliNzEyM2NhNGQ4NDAwMTVhOWM3YjliLCJpYXQ iOjE3NTUwMTg5Mzd9.XV4Vxj_w7eiuBvQVheXtY-gAi5yyJQvtNPt9QUJPIlk"
}
```

Screenshot



Test Case 5:

Add Contact

Request Type: POST

Endpoint: https://thinking-tester-contact-list.herokuapp.com/contacts

Headers: Authorization Bearer {{token}}

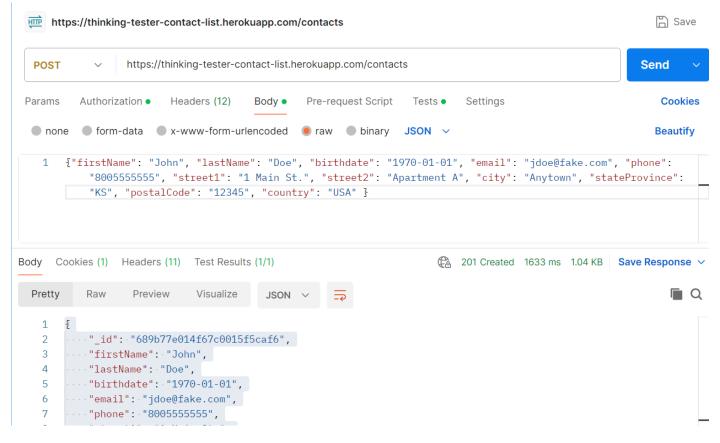
```
Request Payload: { "firstName": "John", "lastName": "Doe", "birthdate": "1970-01-01", "email": "jdoe@fake.com", "phone": "8005555555", "street1": "1 Main St.", "street2": "Apartment A", "city": "Anytown", "stateProvince": "KS", "postalCode": "12345", "country": "USA" }
```

Validate for 201 Created

```
Postman Chai Assertions
```

```
pm.test("Status code is 201", function () {
pm.response.to.have.status(201);
});
Response:
  "_id": "689b77e014f67c0015f5caf6",
  "firstName": "John",
  "lastName": "Doe",
  "birthdate": "1970-01-01",
  "email": "jdoe@fake.com",
  "phone": "8005555555",
  "street1": "1 Main St.",
  "street2": "Apartment A",
  "city": "Anytown",
  "stateProvince": "KS",
  "postalCode": "12345",
  "country": "USA",
  "owner": "689b7123ca4d840015a9c7b2",
  " v": 0
}
```

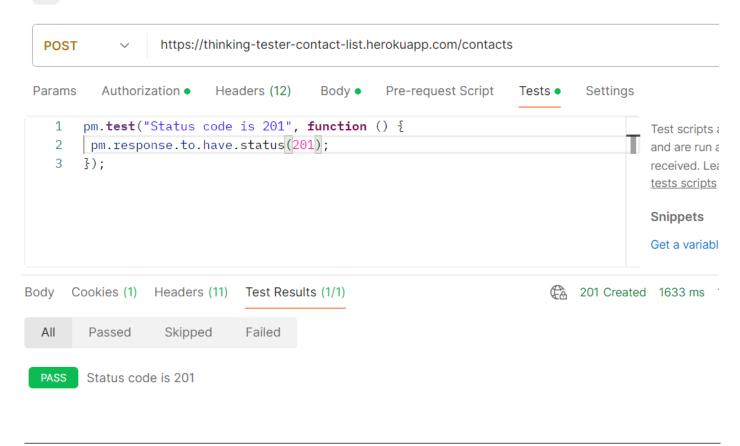
Screenshot



Test Results



https://thinking-tester-contact-list.herokuapp.com/contacts



Test Case 6:

Get Contact List Request Type: GET

Endpoint: https://thinking-tester-contact-list.herokuapp.com/contacts

Headers: Authorization Bearer {{token}}

Validate for 200 OK

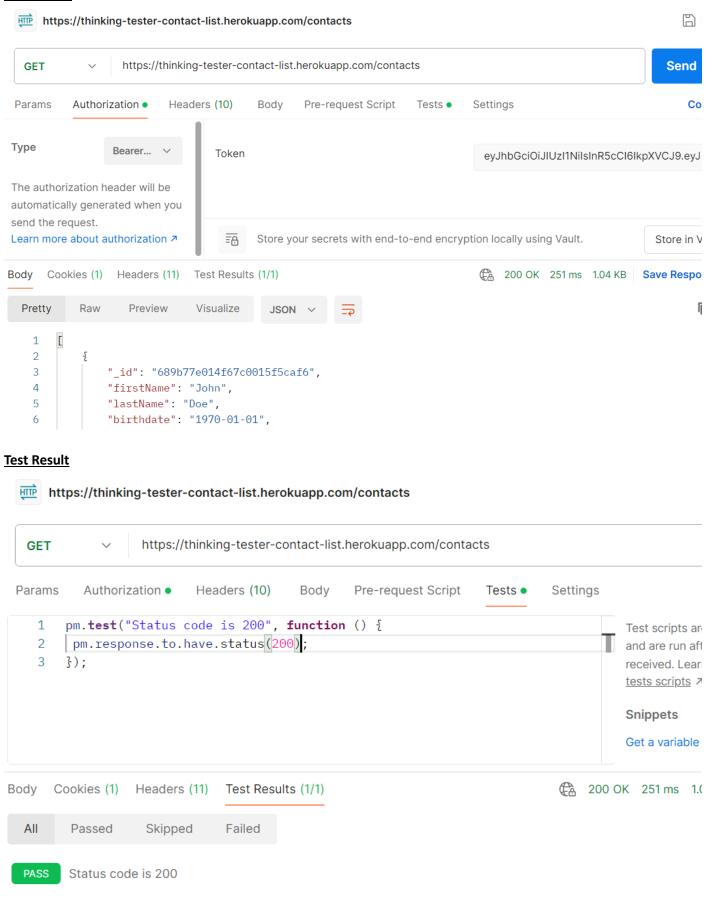
Postman Chai Assertions

"stateProvince": "KS", "postalCode": "12345",

```
pm.test("Status code is 200", function () {
pm.response.to.have.status(200);
});
Response
    " id": "689b77e014f67c0015f5caf6",
    "firstName": "John",
    "lastName": "Doe",
    "birthdate": "1970-01-01",
    "email": "jdoe@fake.com",
    "phone": "800555555",
    "street1": "1 Main St.",
    "street2": "Apartment A",
    "city": "Anytown",
```

```
"country": "USA",
"owner": "689b7123ca4d840015a9c7b2",
"__v": 0
}
```

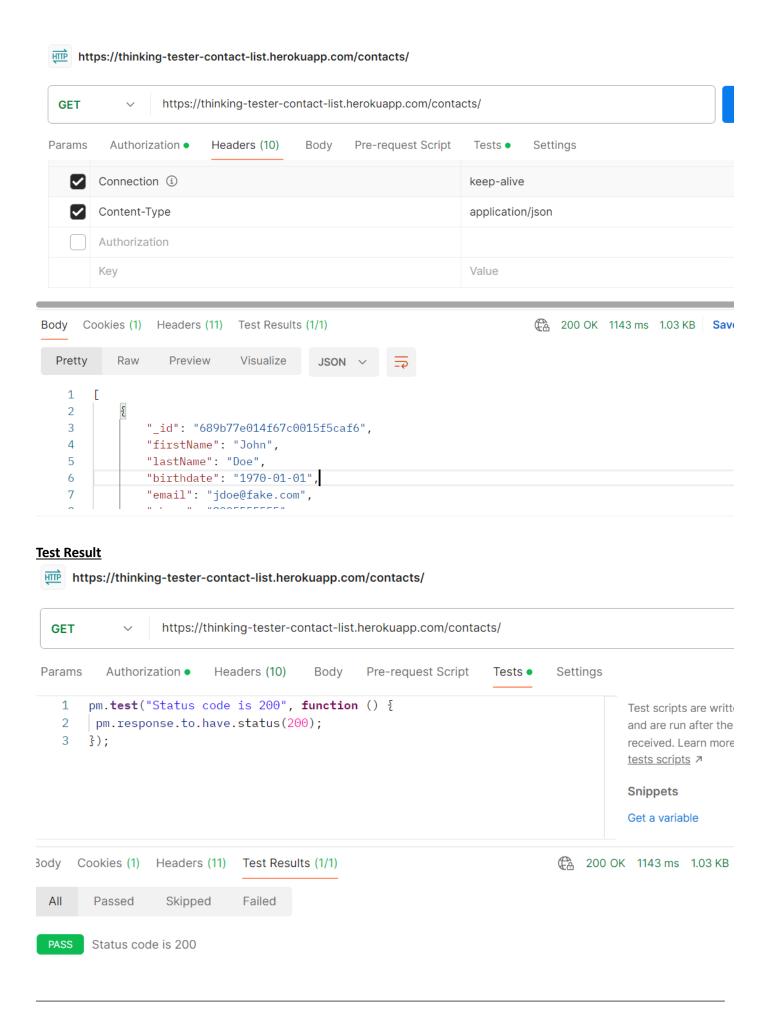
Screenshot



```
Test Case 7:
Get Contact
Request Type: GET
Endpoint: https://thinking-tester-contact-list.herokuapp.com/contacts/
Headers Authorization Bearer {{token}}
Validate for 200 OK
Postman Chai Assertions
pm.test("Status code is 200", function () {
pm.response.to.have.status(200);
});
Response
[
    "_id": "689b77e014f67c0015f5caf6",
    "firstName": "John",
    "lastName": "Doe",
    "birthdate": "1970-01-01",
    "email": "jdoe@fake.com",
    "phone": "800555555",
    "street1": "1 Main St.",
    "street2": "Apartment A",
    "city": "Anytown",
    "stateProvince": "KS",
    "postalCode": "12345",
    "country": "USA",
    "owner": "689b7123ca4d840015a9c7b2",
    "__v": 0
```

SCreenshot

}



Test Case 8:

Update Contact

Request Type: PUT

End Point: https://thinking-tester-contact-list.herokuapp.com/contacts/

Headers Authorization Bearer {{token}}

Request Payload: { "firstName": "Amy", "lastName": "Miller", "birthdate": "1992-02-02", "email":

"amiller@fake.com", "phone": "8005554242", "street1": "13 School St.", "street2": "Apt. 5", "city": "Washington",

"stateProvince": "QC", "postalCode": "A1A1A1", "country": "Canada" }

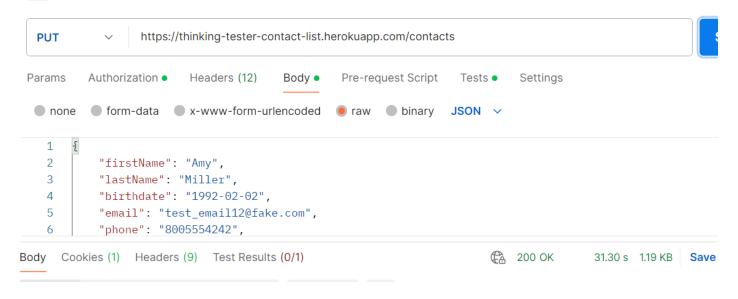
Validate for Email and 200 OK

Postman Chai Assertions

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

Response Screenshot

https://thinking-tester-contact-list.herokuapp.com/contacts



Test Result





Test Case 9:

Update Contact

Request Type: PATCH

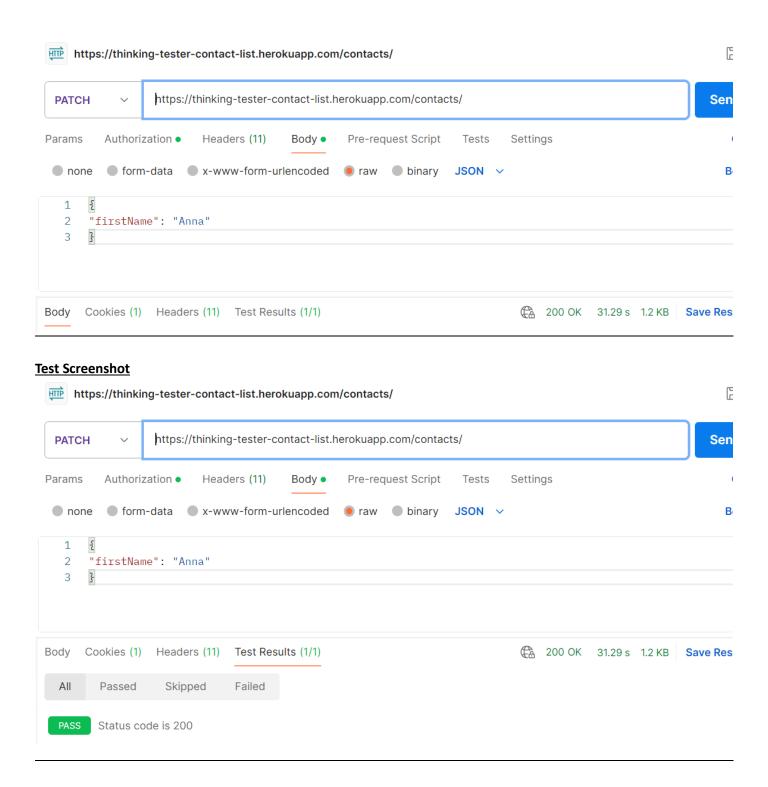
Endpoint: https://thinking-tester-contact-list.herokuapp.com/contacts/

Headers Authorization Bearer {{token}}
Request Payload: { "firstName": "Anna" }
Validate for first name and 200 OK

Postman Chai Assertions

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

Response screenshot



Test Case 10:

Logout User

Request Type: POST

Endpoint: https://thinking-tester-contact-list.herokuapp.com/users/logout

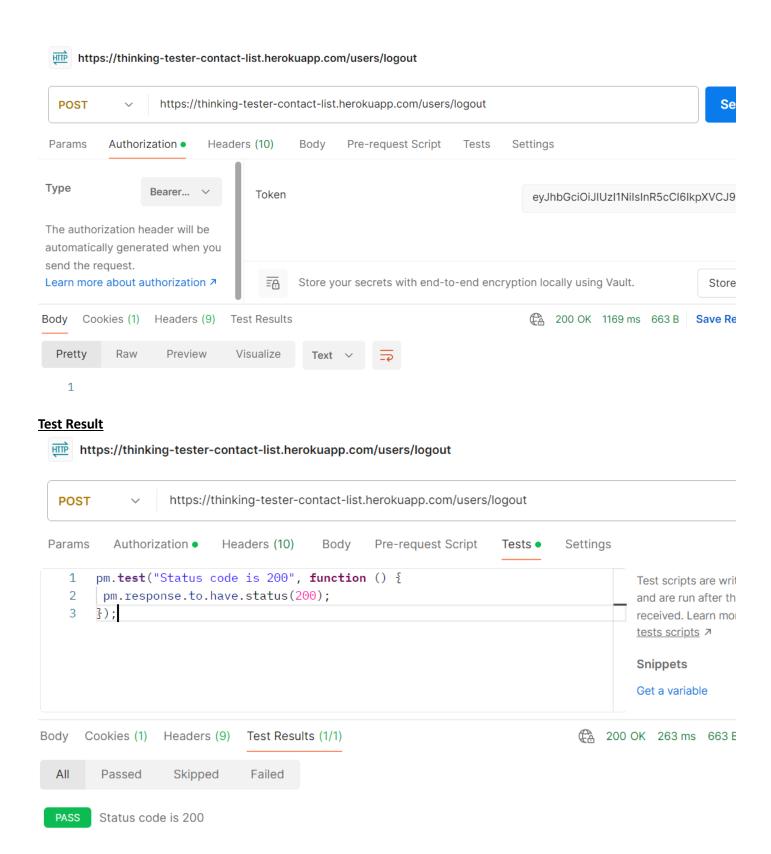
Headers Authorization Bearer {{token}}

Validate for 200 OK

Postman Chai Assertions

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

Response screenshot



RestAssured test cases

Checked into the below github repository(Same as above)

Url	https://github.com/vijinabalakrishnan/Capstone Projects/tree/main/Contact List Application
Branch	main
Access	Public