

Bug report-for API_Testing

Used supertest with mocha, chai, mochawesome libraries in testing all the API Routes in this module:

<https://www.npmjs.com/package/mock-user-auth>

Bug tickets:

#ticket_1:

in request: POST /api/v1/users

response expected like mentioned in document like this:

CREATE USER

- REQUEST

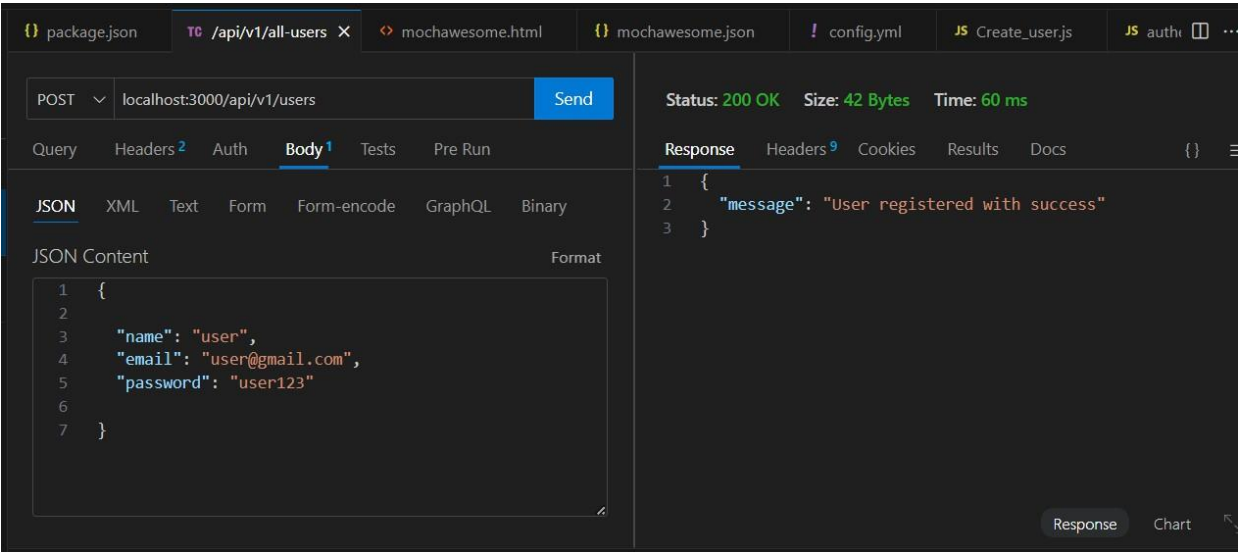
```
POST /api/v1/users
```

```
{
  "name": "user",
  "email": "user@gmail.com",
  "password": "user123"
}
```

- RESPONSE

```
{
  "message": "User registered with success",
  "token": "eyJhbGciOiJI..."
}
```

but in testing ,I found token is missed in the response: (token is missed!)



#ticket_1:

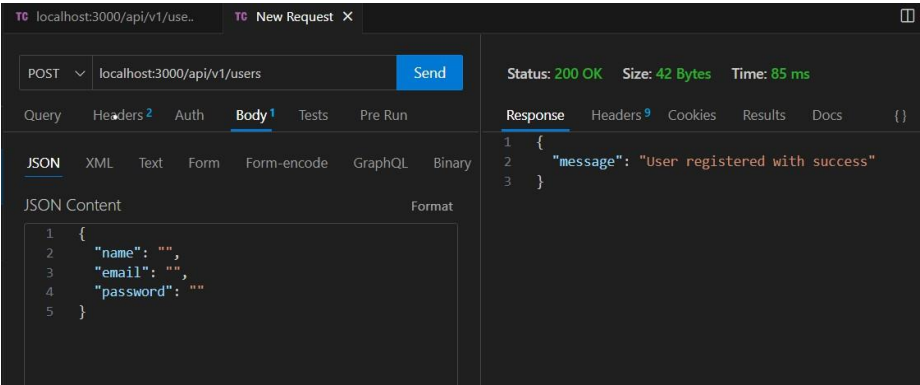
Title	Description	Severity/Priority	Reproducibility	Assigned To	Status	Comments
POST-REQUEST:Token is missed in the response	Actual response is not like expected response as provided in the document	S(High)/P(High)	Always	developer	Open	This bug should be fixed as soon as possible, because it affects other APIs & any work depends on that token for further use.

#ticket_2:

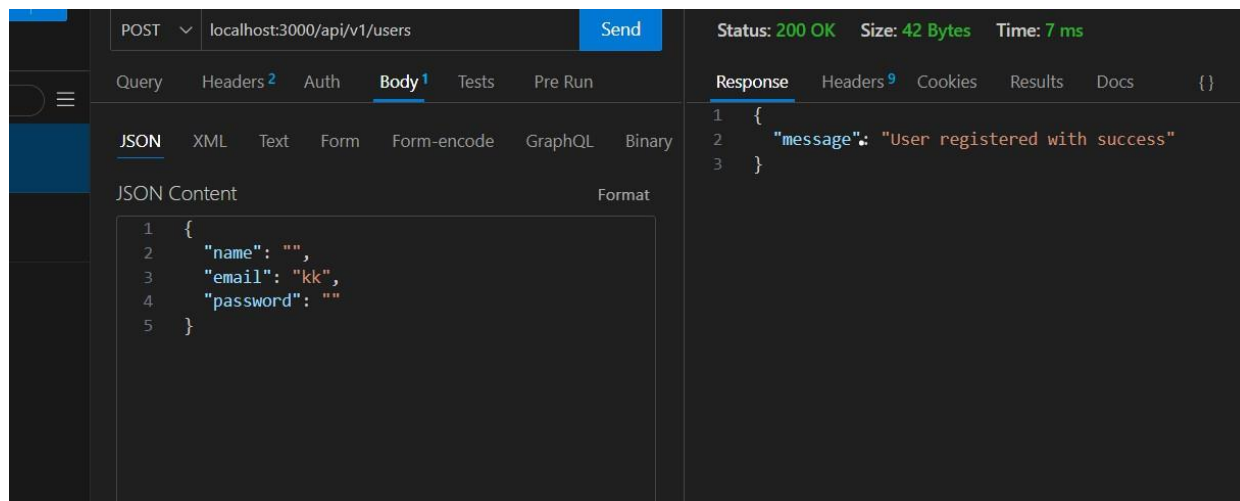
in request: POST /api/v1/users

it successfully create user while important fields are missed & no verbal or format chechings on provided entries: like the following screenshots:

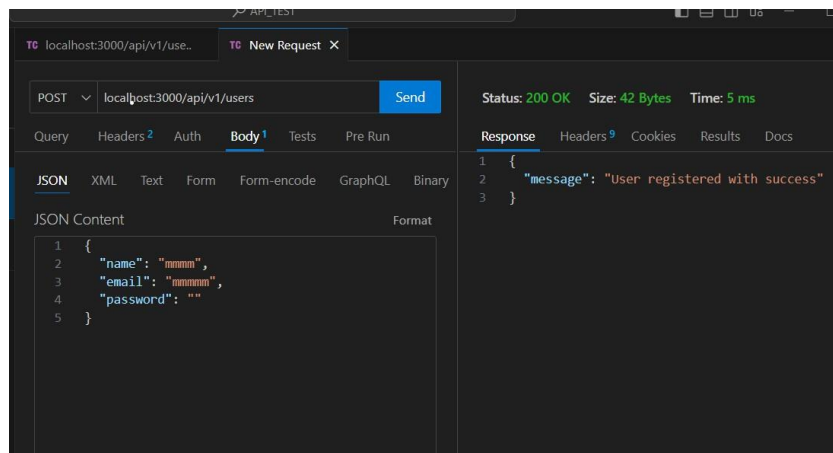
1-all inputs are empty field, despite that user created successfully



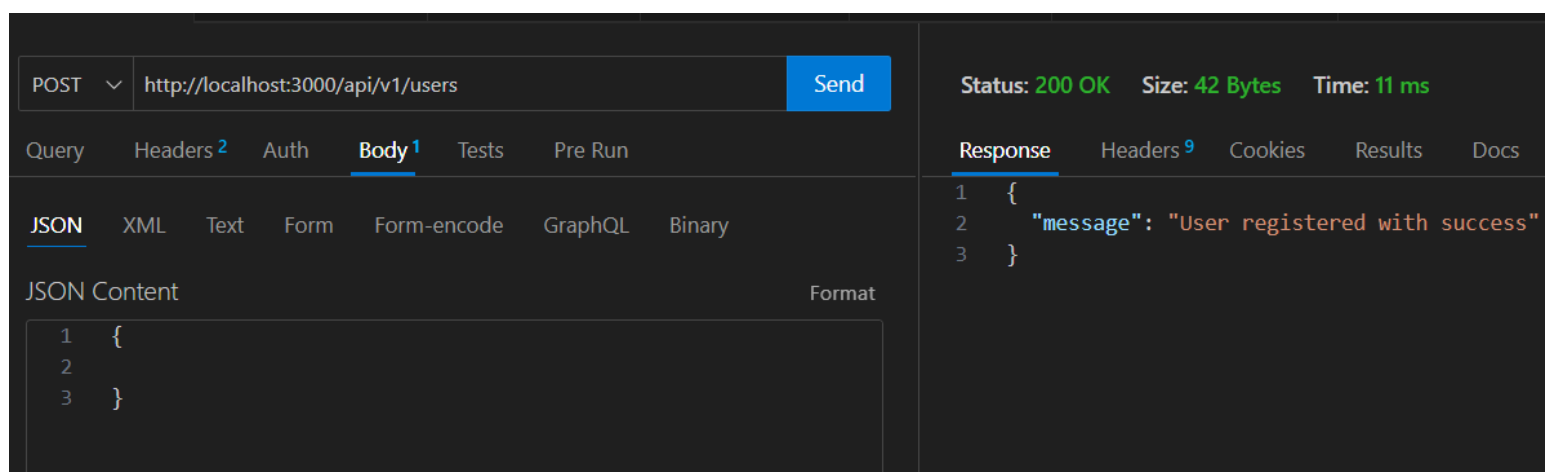
2- name & password are missed and the email entry isn't in the right format (xx@gmail.com), despite that user created successfully



3- password is missing and the email entry isn't in the right format (xx@gmail.com), despite of that user created successfully.



4-the body field is empty.



#ticket_2

Title	Description	Severity/Priority	Reproducibility	Assigned To	Status	Comments
Create user (POST-REQUEST): Successful register new user while sent body is: invalid & missed fields & wrong formatted emails & empty entries, even all the body is blank.	User is registered successfully, while in body entry: 1-all fields are missed like screenshot #1 2-if any one or more or even all of fields are missed like screenshots: #1,#2,#3 3- no verbal or format checking for valid data entry. 4- Body sent as blank brackets as screenshot #4	S(High)/P(High)	Always	developer	Open	This bug should be fixed as soon as possible, because it consumes memory for registering invalid unreachable users.

#ticket_3:

in request: PATCH /api/v1/users

response body isn't like the mentioned in the report, the body has additional data :

in the report it's expected to be like this, only includes the message:

- REQUEST

```
PATCH /api/v1/users
```

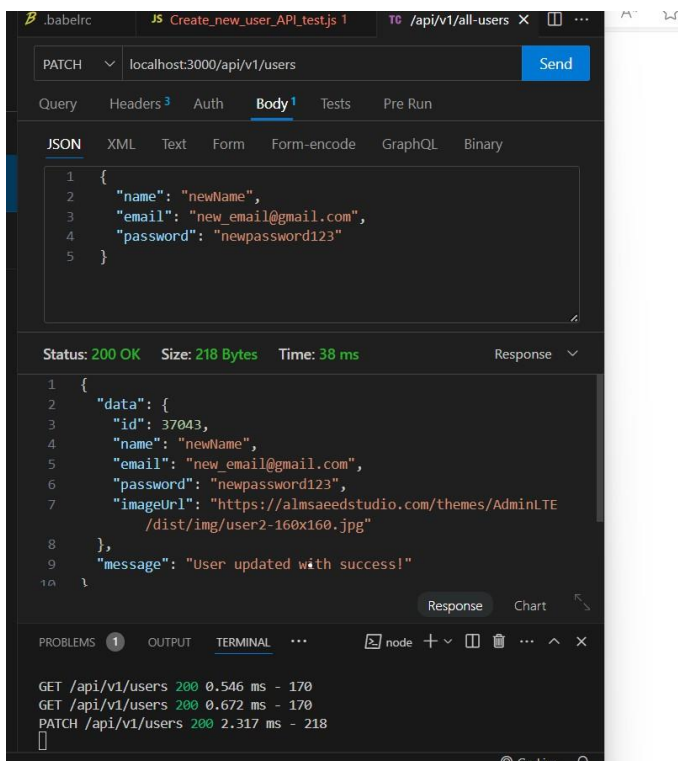
```
const token = 'eyJhbGciOiJI...';
req.setRequestHeader('Authorization', token);
```

```
{
  "name": "newName",
  "email": "new_email@gmail.com",
  "password": "newpassword123"
}
```

- RESPONSE

```
{
  "message": "User updated with success"
}
```

but in reality response is like this (message+ user details):



#ticket_3:

Title	Description	Severity/Priority	Reproducibility	Assigned To	Status	Comments
PATCH-REQUEST: additional data provided in the response message	Actual response is not like expected response as provided in the document, Response body should be only like this: { Messag: } but it has additional fields like : { Message+info }	S(High)/P(High)	Always	developer	Open	This bug should be fixed as soon as possible, because it provides un needed info,use un-needed excessive bandwidth

#ticket_4:

in request: PATCH /api/v1/users

updates user successfully,while sending body is invalid like:

snap #1:empty blank body.

QueryHeaders 3AuthBody 1TestsPre Run

JSONXMLTextFormForm-encodeGraphQLBinary

JSON ContentFormat

1 {

2

3 }

ResponseHeaders 9CookiesResult

1 {

2 "data": {

3 "id": 69821,

4 "name": "mariam",

5 "email": "user@gmail.com",

6 "password": "user123",

7 "imageUrl": "https://almsaeed.net/img/user2-160x160.jpg"

8 },

9 "message": "User updated with

10 }

snap #2:(name,email,password)->one or two fields are missed (no check missing fields)

Query

Headers3

Auth

Body1

Tests

Pre Run

JSON

XML

Text

Form

Form-encode

GraphQL

Binary

JSON Content

Format

1

{

2

"name": "soha"

3

}

No Email, pass

Response

Headers9

Cookies

Results

Docs

1

{

2

"data": {

3

"id": 69821,

4

"name": "soha",

5

"email": "user@gmail.com",

6

"password": "user123",

7

"imageUrl": "https://almsaeedstudio.com/assets/images/

/

img/user2-160x160.jpg"

8

},

9

"message": "User updated with success!"

10

}

snap #3:(name,email,password)->one or more fields are wrong spelled(no check for fields spelling)

PATCH

http://localhost:3000/api/v1/users

Send

Status: 200 OK

Size: 203 Bytes

Time: 5 ms

Query

Headers3

Auth

Body1

Tests

Pre Run

JSON

XML

Text

Form

Form-encode

GraphQL

Binary

JSON Content

Format

1

{

2

"name": "soha",

3

"email": "",

4

"wrong": "pass"

5

}

Response

Headers9

Cookies

Results

1

{

2

"data": {

3

"id": 69821,

4

"name": "soha",

5

"email": "user@gmail.com",

6

"password": "user123",

7

"imageUrl": "https://almsaeedstudio.com/assets/images/

/

img/user2-160x160.jpg"

8

},

9

"message": "User updated with success!"

10

}

• REQUEST

PATCH /api/v1/users

```

const token = 'eyJhbGciOiJI...';
req.setHeader('Authorization', token);

```

```

{
  "name": "newName",
  "email": "new_email@gmail.com",
  "password": "newpassword123"
}

```

• RESPONSE

```

{
  "message": "User updated with success"
}

```

AS body sent invalid not like document
 & it updatesUser successfully with no checks
 For: body contents , formats & spelling of fields.
 here comes bug number #4

#ticket_4:

Title	Description	Severity/Priority	Reproducibility	Assigned To	Status	Comments
PATCH-REQUEST: No validity checks for sent body.	It updates user successfully despite If the provided body is invalid,like in snaps: #1,#2,#3	S(medium)/ P(high)	Always	developer	Open	-needs to be concerned ,because it doesn't conform the logic of updating existing user