Backend algo8 task

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github.com/shivamsingha (https://github.com/shivamsingha)

GET /

    localhost:3000

Returns JSON containing CSRF-Token which is to be used in other requests.

Example Request   /

```
GET / HTTP/1.1
Host: localhost:3000
```

POST /login

    localhost:3000/login

Allows users to login.

JSON body with following params:

Name	Type	Description
emailphone	string	Either email or phone of user used to login
password	string	Password of user

Responds with JSON

Name	Type	Description
token	string	JWT Token

CSRF-Token

vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps

BODY raw

```
{
    "emailphone": "some@gmail.com",
    "password": "qqqqQQQQ1"
}
```

Example Request   localhost:3000/login

```
POST /login HTTP/1.1
Host: localhost:3000
CSRF-Token: vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps

{
    "emailphone": "some@gmail.com",
    "password": "qqqqQQQQ1"
}
```

Example Response   200 OK

Body   Headers (16)

```
{
  "token": "eyJlbmMiOiJBMTI4Q0JDLUhTMjU2IiwiYWxnIjoiUEJFUzItSFMyNTYrQTEyOEtXIiwicDJjIjoyNzYxLCJwMr
}
```

POST /register

localhost:3000/register

Used to register a new account. This also sends an verification email.

JSON body with following params:

Name	Type	Description
email	string	Email of user
phone	string	Phone no. of user
password	string	Password of user. Min 8 characters long, min 4 lowercase, min 4 uppercase, min 1 number

HEADERS

CSRF-Token

vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps

BODY raw

```
{
    "email": "some3@gmail.com",
    "phone": "+919876343212",
    "password": "qqqqQQQQ1"
}
```

Example Request   /register

```
POST /register HTTP/1.1
Host: localhost:3000
CSRF-Token: vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps

{
    "email": "some4@gmail.com",
    "phone": "+919876543212",
    "password": "qqqqQQQQ1"
}
```

GET /verify/:userId/:code

```
localhost:3000/verify/:userId/:code
```

This link is send to the email of the newly registered user. Code is a randomly generated string stored in database which could be used to verify only the user that generated it. Also the code is deleted after one use.

PATH VARIABLES

userId

26

User ID

code

8a102bf1cc073d502c9442626248f015aabcf5375c0f9350f4e6db990d02b007

Verification Code

Example Request   /verify/:userId/:code

```
GET /verify/26/8a102bf1cc073d502c9442626248f015aabcf5375c0f9350f4e6db990d02b007 HTTP/1.1
Host: localhost:3000
```

GET /item

```
localhost:3000/item
```

Returns a list of all items

Example Request   /item

```
GET /item HTTP/1.1
Host: localhost:3000
```

Example Response   200 OK

Body   Headers (16)

```
[
  {
    "id": 2,
    "desc": null,
    "title": "another",
    "price": 10,
    "noOfRatings": 0,
    "totalScore": 0
  },
  {
```
View More

GET /item/:itemId

localhost:3000/item/:itemId

Returns details of the item with itemId

PATH VARIABLES

itemId

1

Item ID

Example Request   /item/:itemId

```
GET /item/1 HTTP/1.1
Host: localhost:3000
```

Example Response   200 OK

Body   Headers (16)

```
{
  "title": "test",
  "desc": null,
  "price": 12,
  "noOfRatings": 1,
  "totalScore": 5
}
```

POST /user/addToCart/:itemId

localhost:3000/user/addToCart/:itemId

Add item with itemId to cart.

AUTHORIZATION

Bearer Token

Token

<token>

HEADERS

CSRF-Token

vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps

PATH VARIABLES

itemId

1

Item ID

Example Request   /user/addToCart/:itemId

```
POST /user/addToCart/1 HTTP/1.1
Host: localhost:3000
CSRF-Token: vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps
```

Example Response   200 OK

Body   Headers (16)

```json
{
  "profile": {
    "cart": [
      {
        "id": 2,
        "title": "another",
        "stock": 1,
        "price": 10,
        "desc": null,
        "images": [],
```

View More

POST /user/rateItem/:itemId

localhost:3000/user/rateItem/:itemId

Give a rating to item with itemId

JSON with following params

Name	Type	Description
rating	Int	Rating of the product out of 5

AUTHORIZATION

Bearer Token

Token

<token>

HEADERS

CSRF-Token

vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps

PATH VARIABLES

itemId

1

Item ID

BODY raw

```
{
    "rating": 5
}
```

Example Request   /user/rateItem/:itemId

```
POST /user/rateItem/1 HTTP/1.1
Host: localhost:3000
CSRF-Token: vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps


{
    "rating": 5
}
```

POST /user/checkout

> localhost:3000/user/checkout

Checkout all the items in cart, create an order and prompt for payment.

Name	Type	Description
couponCode	string	Enter coupon code for discount

AUTHORIZATION

Bearer Token

Token

<token>

HEADERS

CSRF-Token

vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps

Example Request   /user/checkout

```
POST /user/checkout HTTP/1.1
Host: localhost:3000
CSRF-Token: vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps
```

POST /user/editProfile

localhost:3000/user/editProfile

Edit profile of user

JSON body with following params

Name	Type	Description
name	string	Full name of user
address	string	Address of user

AUTHORIZATION

Bearer Token

Token

<token>

HEADERS

CSRF-Token

vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps

BODY raw

```
{
    "name": "Shivam Singha",
    "address": "India"
}
```

Example Request /user/editProfile

```
POST /user/editProfile HTTP/1.1
Host: localhost:3000
CSRF-Token: vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps


{
    "name": "Shivam Singha",
    "address": "India"
}
```

Example Response   200 OK

Body   Headers (16)

```
{
  "profile": {
    "id": 1,
    "name": "Shivam Singha",
    "address": "India",
    "Picture": null,
    "userId": 23
  }
}
```

POST /user/payment/:orderId

localhost:3000/user/payment/:orderId

Make payment for given orderId. This verifies the payment status with the payment gateway.

AUTHORIZATION

Bearer Token

Token

<token>

HEADERS

CSRF-Token

vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps

PATH VARIABLES

orderId

1

Order ID

```
POST /user/payment/1 HTTP/1.1
Host: localhost:3000
CSRF-Token: vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps
```

GET /admin/saleReport

> localhost:3000/admin/saleReport

Return a full report of sales.

AUTHORIZATION

Bearer Token

Token

<token>

HEADERS

CSRF-Token

vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps

Example Request /admin/saleReport

```
GET /admin/saleReport HTTP/1.1
Host: localhost:3000
CSRF-Token: vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps
```

GET /admin/userLoginReport

> localhost:3000/admin/userLoginReport

Returns a log of user logins.

Example Request   /admin/userLoginReport

```
GET /admin/userLoginReport HTTP/1.1
Host: localhost:3000
CSRF-Token: vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps
```

Example Response   200 OK

Body   Headers (16)

```
[
  {
    "id": 1,
    "loginTime": "2020-12-18T17:30:51.803Z",
    "userId": 23
  }
]
```

GET /admin/itemStockReport

localhost:3000/admin/itemStockReport

Returns a report of available stocks of items.

HEADERS

CSRF-Token

vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps

Example Request   /admin/itemStockReport

```
GET /admin/itemStockReport HTTP/1.1
Host: localhost:3000
CSRF-Token: vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps
```

Example Response   200 OK

Body   Headers (16)

```
[
  {
    "id": 2,
    "title": "another",
    "stock": 1
  },
  {
    "id": 1,
    "title": "test",
    "stock": 1
```

View More

POST /admin/addNewItem

localhost:3000/admin/addNewItem

Allows admins to add new item and it's details.

JSON body with following params:

Name	Type	Description
title	string	Title of item
desc	string	Description of item
price	float	Price of item
stock	Int	No. of items in stock

HEADERS

CSRF-Token

vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps

BODY raw

```
{
    "title": "new product",
    "desc": "Amazing item",
    "price": 300,
    "stock": 10
}
```

Example Request   /admin/addNewItem

```
POST /admin/addNewItem HTTP/1.1
Host: localhost:3000
CSRF-Token: vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps

{
    "title": "new product",
    "desc": "Amazing item",
    "price": 300,
    "stock": 10
}
```

Example Response   200 OK

Body   Headers (16)

```
{
  "id": 3,
  "title": "new product",
  "stock": 10,
  "price": 300,
  "desc": "Amazing item",
  "images": [],
  "noOfRatings": 0,
  "totalScore": 0,
  "orderId": null.
```

View More

POST /admin/editItem

localhost:3000/admin/editItem

Allows admins to edit item details.

JSON body with following params:

Name	Type	Description
title	string	Title of item
desc	string	Description of item
price	float	Price of item
stock	Int	No. of items in stock

AUTHORIZATION

Bearer Token

Token

<token>

HEADERS

CSRF-Token

vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps

BODY raw

```
{
    "id": 3,
    "title": "changed name product",
    "desc": "Midrange item",
    "price": 250,
    "stock": 15
}
```

Example Request   /admin/editItem

```
POST /admin/editItem HTTP/1.1
Host: localhost:3000
CSRF-Token: vXqxFzy1-tc7D3rxSZRr2FwPuIHsa0Lzprps

{
    "id": 3,
    "title": "changed name product",
    "desc": "Midrange item",
    "price": 250,                    View More
    "stock": 15
```

Example Response   200 OK

Body   Headers (16)

```
{
  "id": 3,
  "title": "changed name product",
  "stock": 15,
  "price": 250,
  "desc": "Midrange item",
  "images": [],
  "noOfRatings": 0,
  "totalScore": 0,                   View More
  "orderId": null.
```