

Greenbay

Test Report

Unit Testing

Test-1

— — —

- Register New User
- Get User by user Id

```
_id: ObjectId("62594f060c46404ef0be239d")
money: 0
isAdmin: false
name: "Test"
email: "test@gmail.com"
password: "$2a$10$1TXFKtOrnVhGN/YEa4vN0u5OVXUhr1DX1n6C6mgUDgSmt.DaPexS"
createdAt: 2022-04-15T10:55:02.961+00:00
updatedAt: 2022-04-15T10:55:02.961+00:00
__v: 0
```

Test-2

— — —

– Get All Products

	_id ObjectId	rating Int32	numReviews Int32	price Int32	countInStock Int32	name String	user ObjectId	seller String
1	ObjectId('625952560c46404ef0b...	0	0	30000	1	"Laptop"	ObjectId('62594f060c46404ef0b...	"Test"
2	ObjectId('6259545e6ac6583e8ce...	0	0	5000	1	"Cycle"	ObjectId('62594f060c46404ef0b...	"Test"
3	ObjectId('6259557a6ac6583e8ce...	0	0	100	2	"Pencil box"	ObjectId('625955736ac6583e8ce...	"Test2"

Test-3

— — —

- Get Products of a specific User

```
_id: ObjectId('625952560c46404ef0be23a7')
rating: 0
numReviews: 0
price: 30000
countInStock: 1
name: "Laptop"
user: ObjectId('62594f060c46404ef0be239d')
seller: "Test"
image: "data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAQ/2wCEAAkGBwgHBgkIBWg..."
brand: "Apple"
category: "Computers and Laptops"
description: "2-year old mac book air"
> reviews: Array
  createdAt: 2022-04-15T11:09:10.831+00:00
  updatedAt: 2022-04-15T11:13:32.982+00:00
  __v: 0
```

```
_id: ObjectId('6259545e6ac6583e8ce51093')
rating: 0
numReviews: 0
price: 5000
countInStock: 1
name: "Cycle"
user: ObjectId('62594f060c46404ef0be239d')
seller: "Test"
image: "data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAQ/2wCEAAkGBwgHBgkIBWg..."
brand: "Atlas"
category: "Vehicle"
description: "green new cycle"
> reviews: Array
  createdAt: 2022-04-15T11:17:50.480+00:00
  updatedAt: 2022-04-15T11:18:35.782+00:00
  __v: 0
```

Test-4

- Get a product using Product Id

```
_id: ObjectId('6259545e6ac6583e8ce51093')
rating: 0
numReviews: 0
price: 5000
countInStock: 1
name: "Cycle"
user: ObjectId('62594f060c46404ef0be239d')
seller: "Test"
image: "data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAQ/2wCEAAkGBwgHBgkIBwg..."
brand: "Atlas"
category: "Vehicle"
description: "green new cycle"
> reviews: Array
  createdAt: 2022-04-15T11:17:50.480+00:00
  updatedAt: 2022-04-15T11:18:35.782+00:00
  __v: 0
```

Test-5

- Add a review to a Product

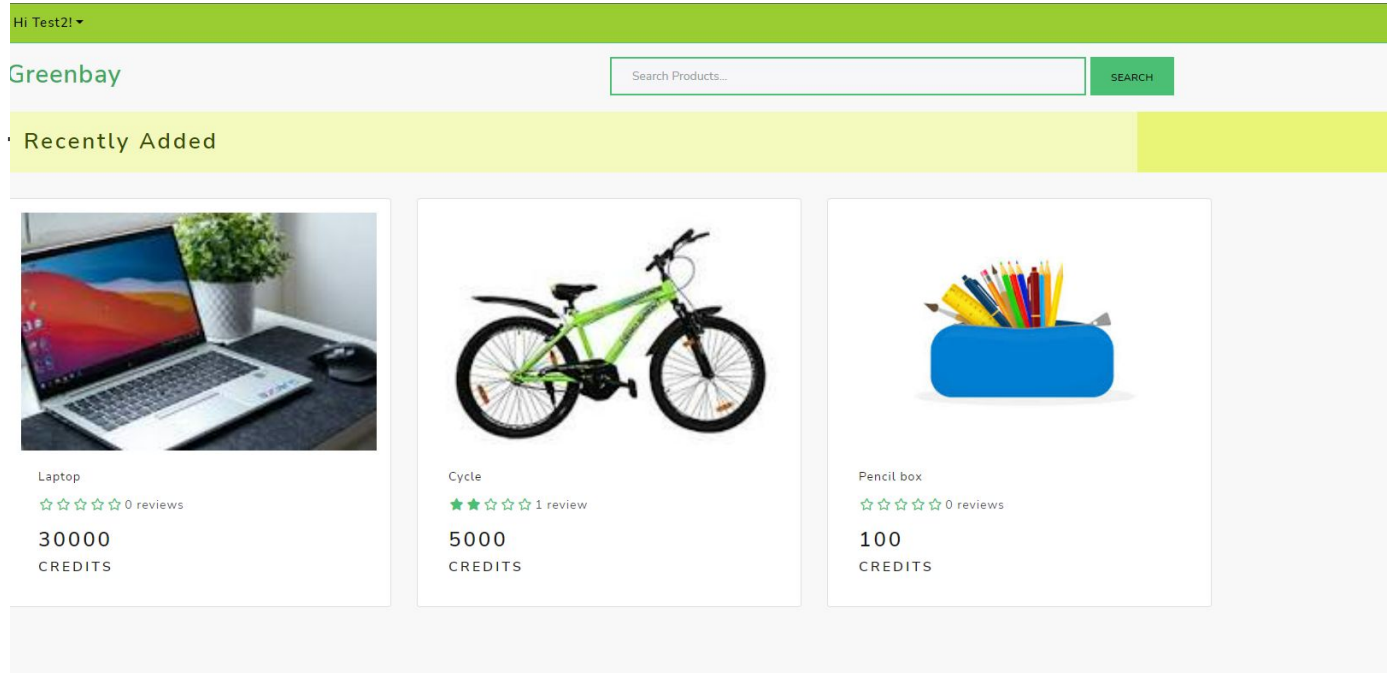
```
✓ reviews: Array
  ✓ 0: Object
    _id: ObjectId('625957016ac6583e8ce510f0')
    name: "Test2"
    rating: 2
    comment: "good but not best"
    user: ObjectId('625955736ac6583e8ce510c0')
    createdAt: 2022-04-15T11:29:05.233+00:00
    updatedAt: 2022-04-15T11:29:05.233+00:00
  createdAt: 2022-04-15T11:17:50.480+00:00
  updatedAt: 2022-04-15T11:29:05.233+00:00
  __v: 1
```

INTEGRATION TESTING

It was concluded that we didn't need to separately perform an integration test since our routes directly use the database methods as shown before and all of the aggregate functions are performed by the database.

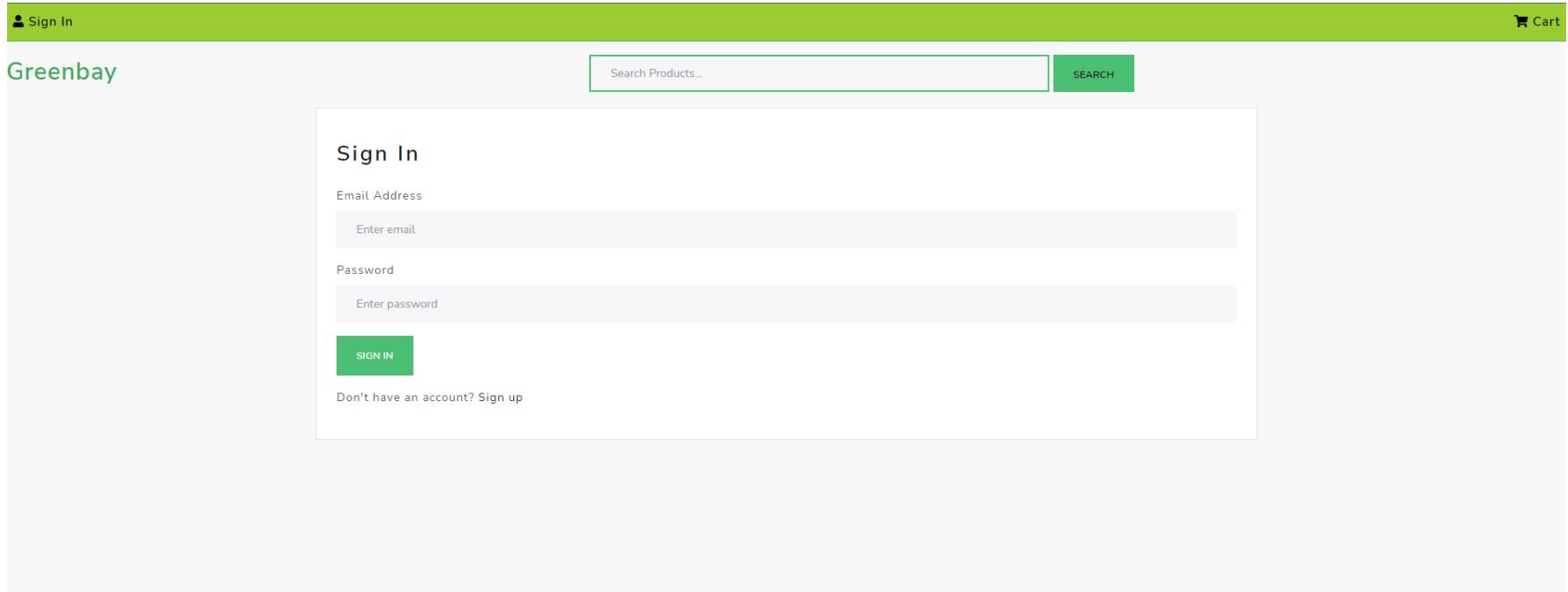
System Testing

Index route(“/”)



This Route is the home route user get direct to. It also allows unlogged users to land on this page to see available products

Login Form (“/login”)



The screenshot shows a web application interface for a login form. At the top, there is a green header bar with a 'Sign In' link on the left and a 'Cart' icon on the right. Below the header, the 'Greenbay' logo is on the left, and a search bar with the placeholder 'Search Products...' and a green 'SEARCH' button is on the right. The main content area features a white box titled 'Sign In'. Inside this box, there are two input fields: 'Email Address' with the placeholder 'Enter email' and 'Password' with the placeholder 'Enter password'. Below these fields is a green 'SIGN IN' button. At the bottom of the box, there is a link that says 'Don't have an account? Sign up'.

Sign In

Sign In

Cart

Greenbay

Search Products...

SEARCH

Sign In

Email Address

Enter email

Password

Enter password

SIGN IN

Don't have an account? Sign up

User can login/Signup at this page after successful login it redirects to index route.

List Product(“/productList”)

Hi Test! ▾

Ca

Greenbay

Search Products...

SEARCH

My products

+ SELL PRODUCT

PRODUCT ID	SELLER ID	NAME	PRICE	CATEGORY	BRAND	
625952560c46404ef0be23a7	62594f060c46404ef0be239d	Laptop	\$30000	Computers and Laptops	Apple	<div><div></div><div></div></div>
6259545e6ac6583e8ce51093	62594f060c46404ef0be239d	Cycle	\$5000	Vehicle	Atlas	<div><div></div><div></div></div>

User can view/edit/add/update the products listed by them for sale.

Edit Product form(“/product/{id}/edit”)

Hi Test!

Cart

Greenbay

Search Products...SEARCH

GO BACK

Edit Product

Name

Sample name

Price

0

Image

/images/sample.jpg

Brand

Sample brand

Count In Stock

0

Category

Sample category

Description

Sample description

A new product or existing product details can be edited in this form

Profile("/profile")

Hi Test! ▾

Cart

Greenbay

Search Products...SEARCH

MY PROFILE

Name: Test

Email: test@gmail.com

Credits: 0

VIEW MY PRODUCTS

EDIT PROFILE

Name

Test

Email Address

test@gmail.com

MY ORDERS

ID	DATE	TOTAL	PAID	DELIVERED
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Renders the profile page of current user.