

Test Compliance Report

Supermarket Automation Software

Group: 33 (The Odd One Out)

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Auto generated Unit test Compliance report

Unittest Results

Start Time: 2021-04-05 19:23:56 **Duration:** 4.86 s

Summary: Total: 19, Pass: 19

account.tests.UserCreateViewTest	Status
test_user_registration	Pass
test_user_registration_can_be_accessed	Pass
test_user_registration_fails_with_invalid_email	Pass
Total: 3, Pass: 3 -- Duration: 918 ms	

account.tests.UserEditViewTest	Status
test_user_edit_can_be_accessed	Pass
test_user_login_after_edit	Pass
test_user_profile_edit	Pass
Total: 3, Pass: 3 -- Duration: 1.07 s	

account.tests.UserListViewTest	Status
test_index_url	Pass
test_login_fails_with_incorrect_values	Pass
test_login_works_with_correct_values	Pass
Total: 3, Pass: 3 -- Duration: 1.29 s	

account.tests.UserRegistrationFormTest	Status
test_email_field_label	Pass
test_form_is_not_valid	Pass
test_username_field_label	Pass
Total: 3, Pass: 3 -- Duration: 1 ms	

product.tests.PurchaseCreationViewTest	Status
test_purchase_creation	Pass
test_purchase_creation_by_get	Pass
test_purchase_creation_with_no_login	Pass
test_purchase_list_can_be_accessed	Pass
Total: 4, Pass: 4 -- Duration: 856 ms	

product.tests.PurchaseEditViewTest	Status
test_edit_purchase	Pass
test_edit_purchase_by_get	Pass
test_edit_purchase_can_be_accessed	Pass
Total: 3, Pass: 3 -- Duration: 725 ms	

Testing Report for Login():

Input: (<username>, <password>)

Correct : (username: clerk1, password: testing@123),

Case I: Both username and password entered are incorrect

Input : ("cler", "test")

Output : Error

Test Case Passed!

Super Market Automation Software [Home](#) [Login](#) [Register](#)

Log In

Username*

cler

Password*

...

Login

Need an account? [Sign Up](#)

Super Market Automation Software [Home](#) [Login](#) [Register](#)

Log In

- Please enter a correct username and password. Note that both fields may be case-sensitive.

Username*

cler

Password*

Login

Need an account? [Sign Up](#)

Case II: Entered username is correct but password entered is incorrect

Input: ("clerk1", "test")

Output : Error

Test Case Passed!

Super Market Automation Software

[Home](#) [Login](#) [Register](#)

Log In

Username*

clerk1

Password*

....

Login

Need an account? [Sign Up](#)

Super Market Automation Software

[Home](#) [Login](#) [Register](#)

Log In

Please enter a correct username and password. Note that both fields may be case-sensitive.

Username*

clerk1

Password*

Login

Need an account? [Sign Up](#)

Case III: User Id incorrect but password entered is correct

Input: ("cler", "testing@123")

Output: Error

Test Case Passed!

Super Market Automation Software

[Home](#) [Login](#) [Register](#)

Log In

Username*

cler

Password*

.....

Login

Need an account? [Sign Up](#)

Super Market Automation Software

[Home](#) [Login](#) [Register](#)

Log In

Please enter a correct username and password. Note that both fields may be case-sensitive.

Username*

cler

Password*

Login

Need an account? [Sign Up](#)

Case IV: Both user Id and password entered are correct

Input: ("clerk1", "testing@123")

Output: Logs in

Test Case Passed!

Super Market Automation Software

[Home](#) [Login](#) [Register](#)

Log In

Username*

clerk1

Password*

.....

Login

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Username: clerk1

Email: clerk1@gmail.com

Position: Clerk



Transaction ID	Amount	Date of Transaction
1234	1000	2023-05-01

Testing Report for editInventory():

Input: (<name>, <cost price>, <quantity>, <selling price>)

Case I: Price and Cost are all positive:

Input: ("Shampoo", 10, 20, 30)

Output: Product Added

Test Case Passed!

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Add new product

Name*

Shampoo

Cost price*

10

Quantity*

20

Selling price*

30

Add product

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Product added!

Add a new product

Edit an existing product

View the inventory of existing products

Add Product

Edit Product

View Product

localhost:8000

Case II: New Item that already exists:

Input: ("Shampoo", 10, 20, 30)

Output: Shampoo already exists

Test Case Passed!

Super Market Automation Software

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Add new product

Name*

Shampoo

Cost price*

10

Quantity*

20

Selling price*

30

Add product

Super Market Automation Software

[Home](#) [Profile](#) [Create Report](#) [Edit Inventory](#) [Edit Users](#) [Logout](#)

Add new product

Shampoo already exists!

Name*

Shampoo

Cost price*

10

Quantity*

20

Selling price*

30

Add product

Case III: New Item with quantity set as a nonpositive Integer:

Input: ("Shampoo", -5, 20, 30)

Output: Ensure this value is greater than or equal to 0.0

Test Case Passed!

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Add new product

Name*

Shampoo

Cost price*

-5

Quantity*

20

Selling price*

30

Add product

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Add new product

Name*

Shampoo

Cost price*

-5

Ensure this value is greater than or equal to 0.0.

Quantity*

20

Selling price*

30

Add product

Case IV: New Item with Cost Price set as non-positive:

Input: ("Shampoo", 10, -5, 30.0)

Output: Ensure this value is greater than or equal to 0

Test Case Passed!

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Add new product

Name*

Shampoo

Cost price*

10

Quantity*

-5

Selling price*

30

Add product

Super Market Automation Software

[Home](#) [Profile](#) [Create Report](#) [Edit Inventory](#) [Edit Users](#) [Logout](#)

Add new product

Name*

Shampoo

Cost price*

10

Quantity*

-5

ⓘ

Ensure this value is greater than or equal to 0.

Selling price*

30

Add product

Case V: New Item with Selling Price set as non-positive:

Input: ("Shampoo", 10, 20, -5)

Output: Ensure this value is greater than or equal to 0

Test Case Passed!

Super Market Automation Software

[Home](#)[Profile](#)[Create Report](#)[Edit Inventory](#)[Edit Users](#)[Logout](#)

Add new product

Name*

Shampoo

Cost price*

10

Quantity*

20

Selling price*

-5

Add product

Super Market Automation Software

[Home](#)[Profile](#)[Create Report](#)[Edit Inventory](#)[Edit Users](#)[Logout](#)

Add new product

Name*

Shampoo

Cost price*

10

Quantity*

20

Selling price*

-5

Ensure this value is greater than or equal to 0.0.

Add product

Case VI: New Item with Price set as less than cost:

Input: ("Shampoo", 10, 20, 5)

Output: Selling Price cannot be less than Cost Price!

Test Case Passed!

Super Market Automation Software

[Home](#) [Profile](#) [Create Report](#) [Edit Inventory](#) [Edit Users](#) [Logout](#)

Add new product

Name*

Shampoo

Cost price*

10

Quantity*

20

Selling price*

5

Add product

Super Market Automation Software

[Home](#) [Profile](#) [Create Report](#) [Edit Inventory](#) [Edit Users](#) [Logout](#)

Add new product

Selling Price cannot be less than Cost Price!

Name*

Shampoo

Cost price*

10

Quantity*

20

Selling price*

5

Add product

Case VII: If the any of the box are left empty:

Input: ("Shampoo", __ , 20, 30)

Output: Please fill out this field.

Test Case Passed!

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Add new product

Name*

Shampoo

Cost price*

Quantity*

20

Selling price*

30

Add product

Super Market Automation Software

[Home](#) [Profile](#) [Create Report](#) [Edit Inventory](#) [Edit Users](#) [Logout](#)

Add new product

Name*

Shampoo

Cost price*

Quantity*

20

Selling price*

30

Add product

localhost:8000

Testing Report for reportStats():

Input = (<Start Date>, <End Date>)

Case I: Both start and end dates are not entered.

Input: (__ , __)

Output: Please enter the appropriate Start Date

Test Case Passed!

Super Market Automation Software Home Profile Create Report Edit Inventory Edit Users Logout

Total Transactions: 5

Select clerk to view their Transactions:

Select User ▾

Enter start and end dates to get plot:

Enter the start date:

Enter the end date:

Enter

Super Market Automation Software Home Profile Create Report Edit Inventory Edit Users Logout

Total Transactions: 5

Select clerk to view their Transactions:

Select User ▾

Please enter the appropriate Start Date

Enter start and end dates to get plot:

Enter the start date:

Enter the end date:

Enter

Case II: The start date is not entered but, the end date is entered.

Input: (__ , 05-04-2021)

Output: Please enter the appropriate Start Date

Test Case Passed!

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Total Transactions: 5

Select clerk to view their Transactions:

Select User ▾

Enter start and end dates to get plot:

Enter the start date:

Enter the end date:

Enter

Super Market Automation Software [Home](#) [Profile](#) [Create Report](#) [Edit Inventory](#) [Edit Users](#) [Logout](#)

Total Transactions: 5

Select clerk to view their Transactions:

Select User ▾

Please enter the appropriate Start Date

Enter start and end dates to get plot:

Enter the start date:

Enter the end date:

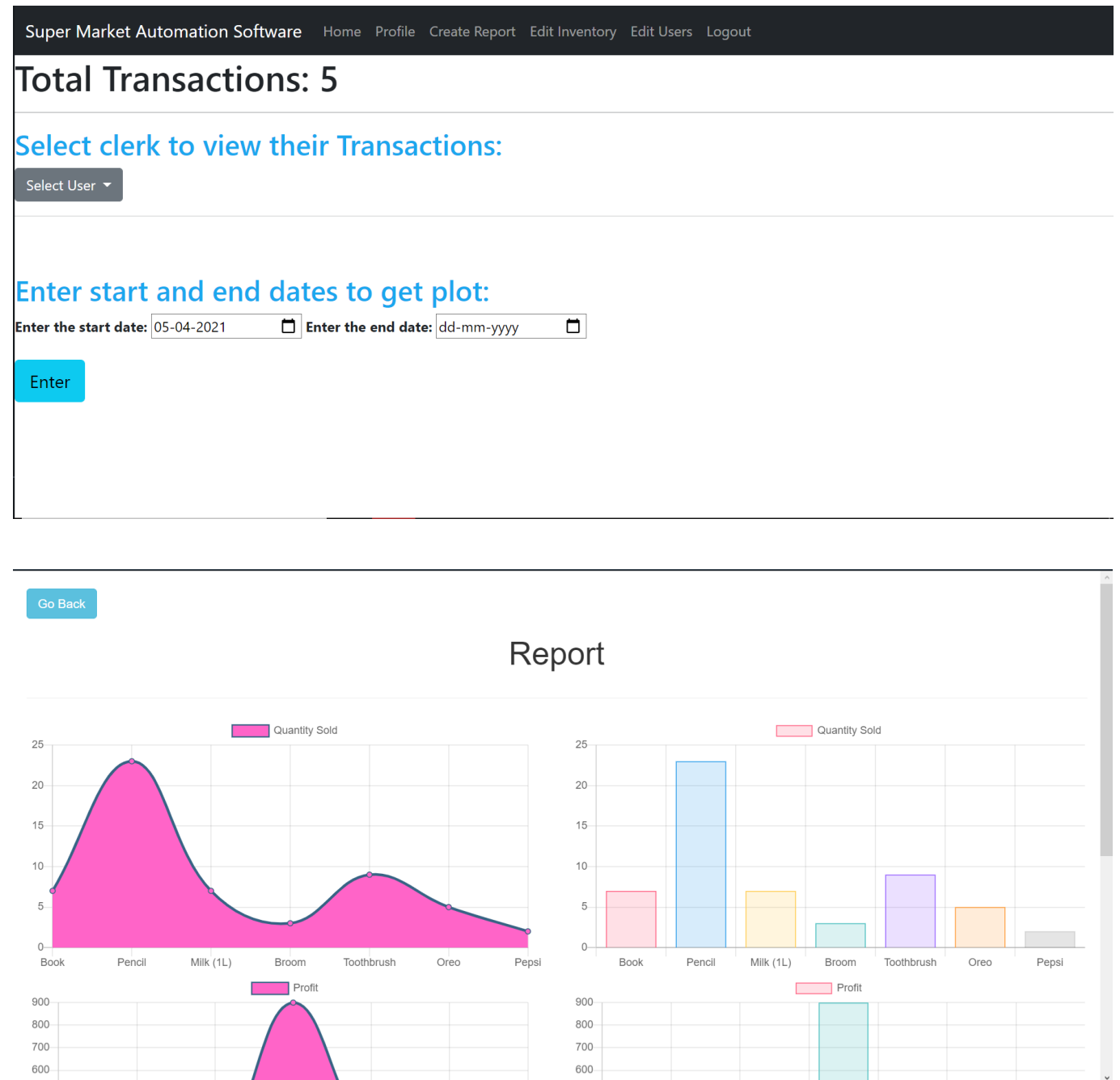
Enter

Case III: The start date is entered, but the end date is not entered.

Input: (05-04-2021, __)

Output: Shows Report, with the end date taken as today.

Test Case Passed!



Case IV: The start date is after the end date

Input: (06-04-2021, 05-04-2021)

Output: Error

Test Case Passed!

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Total Transactions: 5

Select clerk to view their Transactions:

Select User ▾

Enter start and end dates to get plot:

Enter the start date: Enter the end date:

Enter

Super Market Automation Software [Home](#) [Profile](#) [Create Report](#) [Edit Inventory](#) [Edit Users](#) [Logout](#)

Total Transactions: 5

Select clerk to view their Transactions:

Select User ▾

Start Date cannot occur after the End Date

Enter start and end dates to get plot:

Enter the start date: Enter the end date:

Enter

Case V: The start date is the same as the end date

Input: (05-04-2021, 05-04-2021)

Output: Shows Report for a single day.

Test Case Passed!

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Total Transactions: 5

Select clerk to view their Transactions:

Select User ▼

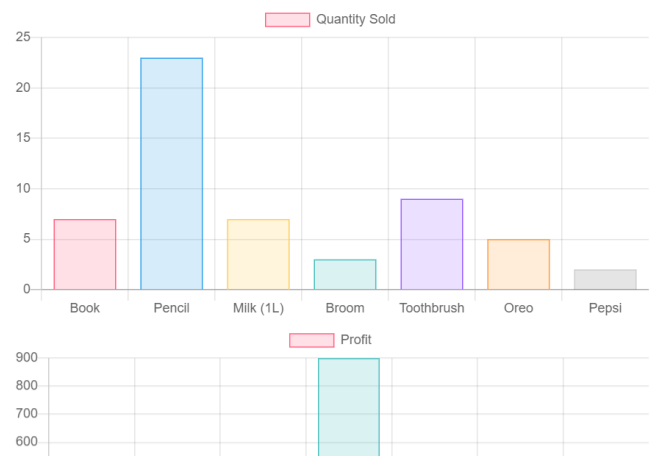
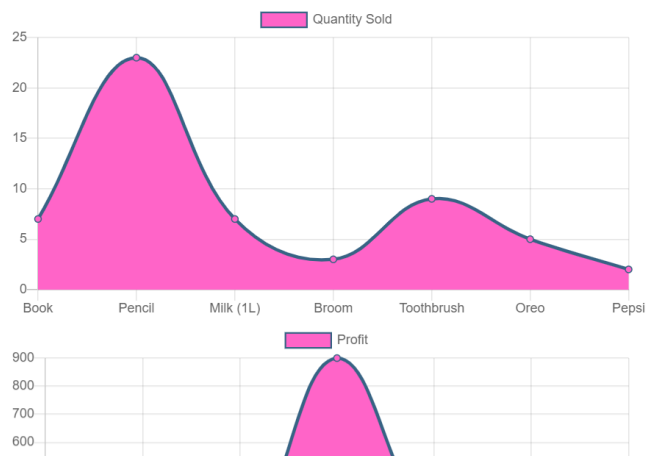
Enter start and end dates to get plot:

Enter the start date: 05-04-2021 Enter the end date: 05-04-2021

Enter

[Go Back](#)

Report



Case VI: The start date is before the end date

Input: (26-03-2021, 27-03-2021)

Output: Accepted (2 days)

Test Case Passed!

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Total Transactions: 5

Select clerk to view their Transactions:

Select User ▾

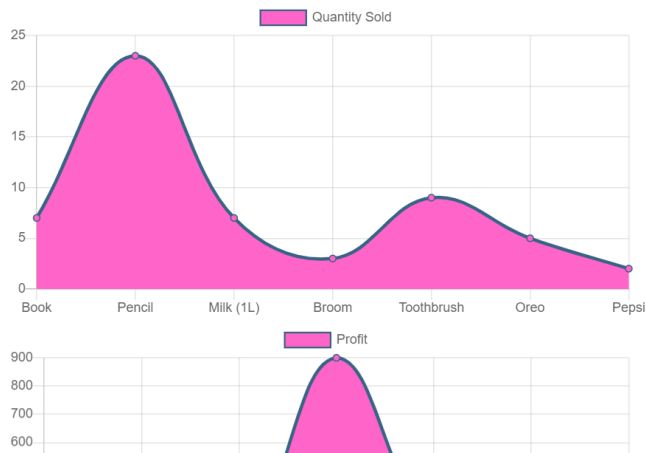
Enter start and end dates to get plot:

Enter the start date: ☐ Enter the end date: ☐

Enter

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Report



Testing Report for createItemTransaction():

Input = (<Product Name>, <Product Quantity>*, <Product id>)

NOTE: The trivial cases for negative inputs are satisfied here too (since the same ideology has been used, and hence the testing for those cases, although carried out, has been not been mentioned in this report)

Case I: The product with the given product name does not exist in the inventory

Input: ("Drum", 1, __)

Output: Drum is not available!

Test Case Passed!

Super Market Automation Software Home Profile Transactions View Inventory Logout

New Transaction

Product name
Drum

Quantity*
1

Product id

Add product

Name	Quantity	Selling Price
------	----------	---------------

Proceed

Clear Cart
localhost:8000

Super Market Automation Software Home Profile Transactions View Inventory Logout

New Transaction

Drum is not available!

Product name
Drum

Quantity*
1

Product id

Add product

Name	Quantity	Selling Price
------	----------	---------------

Proceed

Case II: The quantity specified for the product entered is not available in the inventory

Input: (Book, 100, __)

Output: Only x item(s) left in stock

{x is the quantity of the chosen product available in the inventory}

Test Case Passed!

Super Market Automation Software

HomeProfileTransactionsView InventoryLogout

New Transaction

Product name

Book

Quantity*

100

Product id

Add product

Name

Quantity

Selling Price

Proceed

Clear Cart

Super Market Automation Software

HomeProfileTransactionsView InventoryLogout

New Transaction

Product name

Book

Quantity*

100

Product id

Only 93 item(s) left in stock

Add product

Name

Quantity

Selling Price

Proceed

Case III: The product with the given product id does not exist

Input: (__ , 1, 100)

Output: Please enter a valid ID!

Test Case Passed!

Super Market Automation Software

Home

Profile

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Logout

New Transaction

Product name

Quantity*

1

Product id

100

Add product

Name

Quantity

Selling Price

Proceed

Clear Cart

Super Market Automation Software

Home

Profile

Transactions

View Inventory

Logout

New Transaction

Please enter a valid ID!

Product name

Quantity*

1

Product id

100

Add product

Name

Quantity

Selling Price

Proceed

Case IV: The entered product name does not correspond to the entered product id

Input: ("Oreo", 8, 1)

Output: Name: Oreo and ID: 1 are mismatched!

Test Case Passed!

Super Market Automation Software

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New Transaction

Product name

Oreo

Quantity*

8

Product id

1

Add product

Name

Quantity

Selling Price

Proceed

Clear Cart

Super Market Automation Software

[Home](#) [Profile](#) [Transactions](#) [View Inventory](#) [Logout](#)

New Transaction

Name: Oreo and ID: 1 are mismatched!

Product name

Oreo

Quantity*

8

Product id

1

Add product

Name

Quantity

Selling Price

Proceed

Case V: A valid product name and valid quantity (that is available in the inventory) is entered

Input: ("Book", 1, __)

Output: Product gets added to the cart.

Test Case Passed!

Super Market Automation Software

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New Transaction

Product name

Book

Quantity*

1

Product id

Add product

Name	Quantity	Selling Price
<div>Proceed</div>		

Clear Cart

Super Market Automation Software

[Home](#) [Profile](#) [Transactions](#) [View Inventory](#) [Logout](#)

New Transaction

Product name

Quantity*

Product id

Add product

Name	Quantity	Selling Price
BOOK	1	30.0

Proceed

Case VI: A valid product name and valid quantity (that is available in the inventory) is entered and valid product id (that corresponds to the product name) is entered.

Input: ("Book", 1, 1)

Output: Product gets added to the cart.

Test Case Passed!

Super Market Automation Software

HomeProfileTransactionsView InventoryLogout

New Transaction

Product name

Book

Quantity*

1

Product id

1

Add product

Name

Quantity

Selling Price

Proceed

Clear Cart

Super Market Automation Software

HomeProfileTransactionsView InventoryLogout

New Transaction

Product name

Quantity*

Product id

Add product

Name

Quantity

Selling Price

BOOK130.0

Proceed

Case VII: Only the quantity is entered (Since it is a required field, it has to be added)

Input: (__ , 1, __)

Output: Product gets added to the cart.

Test Case Passed!

Super Market Automation Software

[Home](#) [Profile](#) [Transactions](#) [View Inventory](#) [Logout](#)

New Transaction

Product name

Quantity*

1

Product id

Add product

Name

Quantity

Selling Price

Proceed

Clear Cart

Super Market Automation Software

[Home](#) [Profile](#) [Transactions](#) [View Inventory](#) [Logout](#)

New Transaction

Enter a valid ID and / or Product Name

Product name

Quantity*

1

Product id

Add product

Name

Quantity

Selling Price

Proceed

localhost:8000

Testing Report for register():

Input = (<username>, <email>, <password>, <confirm password>)

Case I: If the entered username does not exist in the database

Input: (clerk6, clerk6@gmail.com , testing@123, testing@123)

Output: Account created for clerk6!

Test Case Passed!

Super Market Automation Software

[Home](#) [Login](#) [Register](#)

Create new account

Username*

clerk6

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Email*

clerk6@gmail.com

Password*

.....

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation*

.....

Enter the same password as before, for verification.

Sign up

Super Market Automation Software

[Home](#) [Login](#) [Register](#)

Account created for clerk6!

Log In

Username*

Password*

Login

Need an account? [Sign Up](#)

Case II: If the entered username already exists in the database

Input: (clerk6, clerk6@gmail.com, testing@123, testing@123)

Output: A user with that username already exists.

Test Case Passed!

[Super Market Automation Software](#) [Home](#) [Login](#) [Register](#)

Create new account

Username*

clerk6

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Email*

clerk6@gmail.com

Password*

.....

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation*

.....

Enter the same password as before, for verification.

[Sign up](#)

[Super Market Automation Software](#) [Home](#) [Login](#) [Register](#)

Create new account

Username*

clerk6

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Email*

clerk6@gmail.com

Password*

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation*

Enter the same password as before, for verification.

NOTE: The other cases of valid email address, confirmation of passwords, etc., are not tested here, because we have used the register form from Django, which has already been extensively tested before deployment by many skilled programmers.