```
--- Welcome to the Shopping System ---
1. Log in
2. Create an account
3. Exit
Enter your choice: 2
Enter a username: Giri
Enter a password: Giri@123
User created successfully. Please log in.

--- Welcome to the Shopping System ---
1. Log in
2. Create an account
3. Exit
Enter your choice: 1
Enter your username: Giri
Enter your password: Giri@123
Login successful.
```

```
Menu:
1. Display products
2. Add product to cart
3. Update cart quantity
4. Remove product from cart
5. Display cart
6. Display total bill
7. Log out
Enter your choice: 1
Products available:
Product: Laptop, Price: $1000.0, Availability: true
Product: Headphones, Price: $50.0, Availability: true

Menu:
1. Display products
2. Add product to cart
3. Update cart quantity
4. Remove product from cart
5. Display cart
6. Display total bill
7. Log out
Enter your choice: 2
Enter the product name: laptop
Enter the quantity: 1
1 Laptop(s) added to the cart.

Menu:
1. Display products
2. Add product to cart
3. Update cart quantity
4. Remove product from cart
5. Display cart
6. Display total bill
7. Log out
Enter your choice: 2
Enter the product name: headphones
Enter the quantity: 1
1 Headphones(s) added to the cart.
```

```
Menu:
1. Display products
2. Add product to cart
3. Update cart quantity
4. Remove product from cart
5. Display cart
6. Display total bill
7. Log out
Enter your choice: 3
Enter the product name: laptop
Enter the quantity: 2
Quantity updated for Laptop to 2

Menu:
1. Display products
2. Add product to cart
3. Update cart quantity
4. Remove product from cart
5. Display cart
6. Display total bill
7. Log out
Enter your choice: 4
Enter the product name: headphones
Enter the quantity to remove (max 1): 1
Headphones removed from the cart.

Menu:
1. Display products
2. Add product to cart
3. Update cart quantity
4. Remove product from cart
5. Display cart
6. Display total bill
7. Log out
Enter your choice: 5
Cart Items:
Product: Laptop, Quantity: 2
```

```
Menu:
1. Display products
2. Add product to cart
3. Update cart quantity
4. Remove product from cart
5. Display cart
6. Display total bill
7. Log out
Enter your choice: 6
Total Bill: Your total bill is $1800.0.

Menu:
1. Display products
2. Add product to cart
3. Update cart quantity
4. Remove product from cart
5. Display cart
6. Display total bill
7. Log out
Enter your choice: 7
Logged out successfully.

--- Welcome to the Shopping System ---
1. Log in
2. Create an account
3. Exit
Enter your choice: 3
Exiting. Goodbye!
```