

## Sweet Shop Application – Manual Test Report

(Performed and documented by Vishal Verma)

### Authentication Tests

Test Case	Steps	Expected Result	Actual Result	Status
Register User	POST /api/auth/register	201 user created	201 user created	Pass
Login User	POST /api/auth/login	200 JWT	200 JWT	Pass
Login Invalid	POST /api/auth/login (invalid)	401 unauthorized	401 unauthorized	Pass

### Sweets Management Tests

Test Case	Steps	Expected Result	Actual Result	Status
Add Sweet (Admin)	POST /api/sweets	201 sweet added	201 sweet added	Pass
Get All Sweets	GET /api/sweets	200 list	200 list	Pass
Search Sweets	GET /api/sweets/search	Matching sweets	Matching sweets	Pass
Update Sweet	PUT /api/sweets/:id	Sweet updated	Sweet updated	Pass
Delete Sweet	DELETE /api/sweets/:id	Sweet deleted	Sweet deleted	Pass

### **Inventory Management Tests**

Test Case	Steps	Expected Result	Actual Result	Status
Purchase Sweet	POST /purchase	Quantity -1	Quantity -1	Pass
Purchase No Stock	POST /purchase	Error	Error	Pass
Restock Sweet	POST /restock	Quantity +	Quantity +	Pass

### **Frontend Tests**

Test Case	Steps	Expected Result	Actual Result	Status
Register UI	Fill form	User registered	User registered	Pass
Login UI	Login form	Redirected	Redirected	Pass
View Sweets	Dashboard load	All displayed	All displayed	Pass
Search UI	Search input	Filtered list	Filtered list	Pass
Admin Ops	Add/Update/Delete	Changes reflected	Changes reflected	Pass

### Cart & UX Tests

Test Case	Steps	Expected Result	Actual Result	Status
Add to Cart	Click button	Cart count +1	Cart count +1	Pass
Cart Persistence	Refresh page	Items remain	Items remain	Pass
Purchase Notification	Complete purchase	Popup shown	Popup shown	Pass
Notification Fade	Wait 3-5s	Popup disappears	Popup disappears	Pass
Order Summary	View history	Correct items	Correct items	Pass

## Test Execution Screenshots(Passed Test Cases)

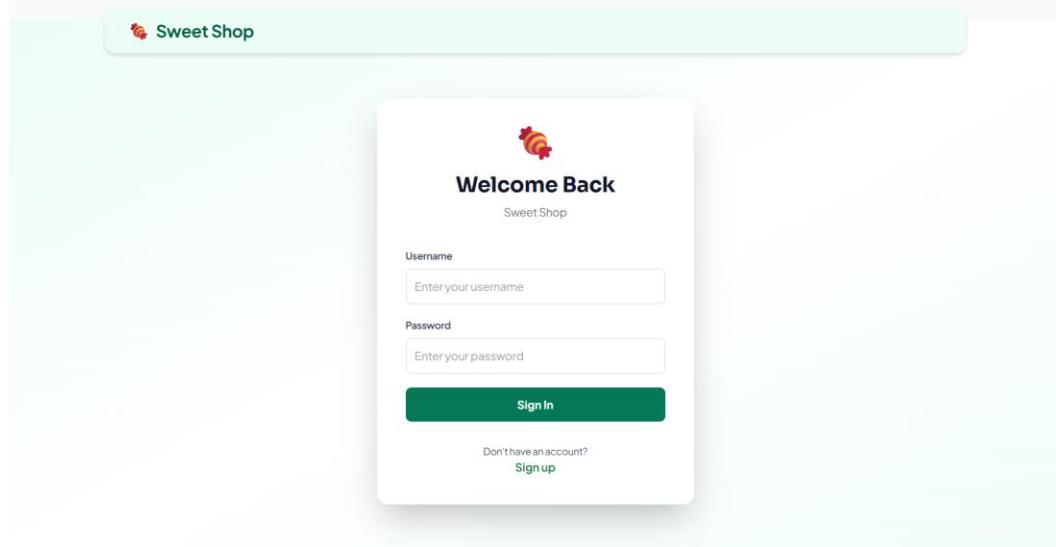


Figure 1: User Login Page

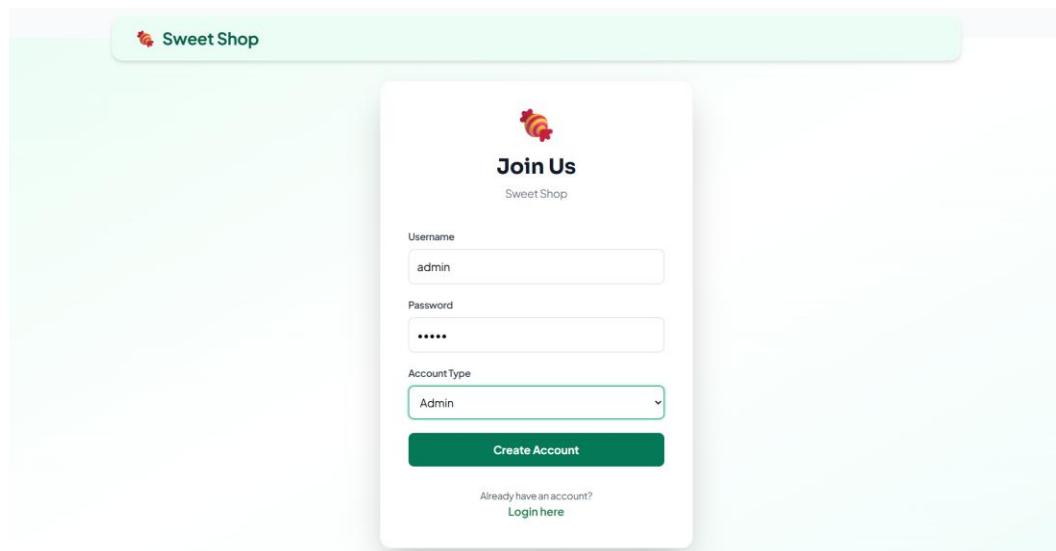


Figure 2: User Registration Page

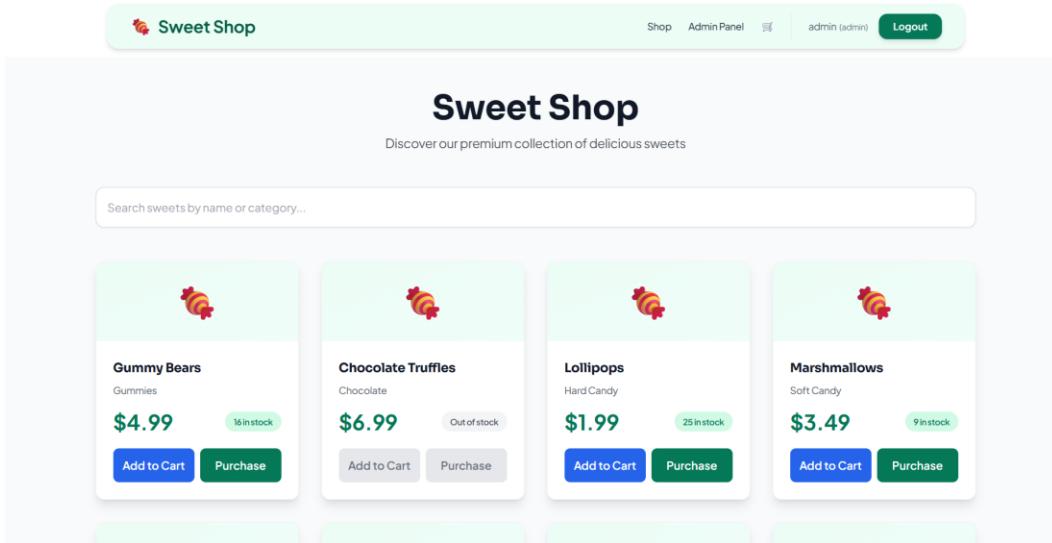


Figure 3: Dashboard - View All Sweets

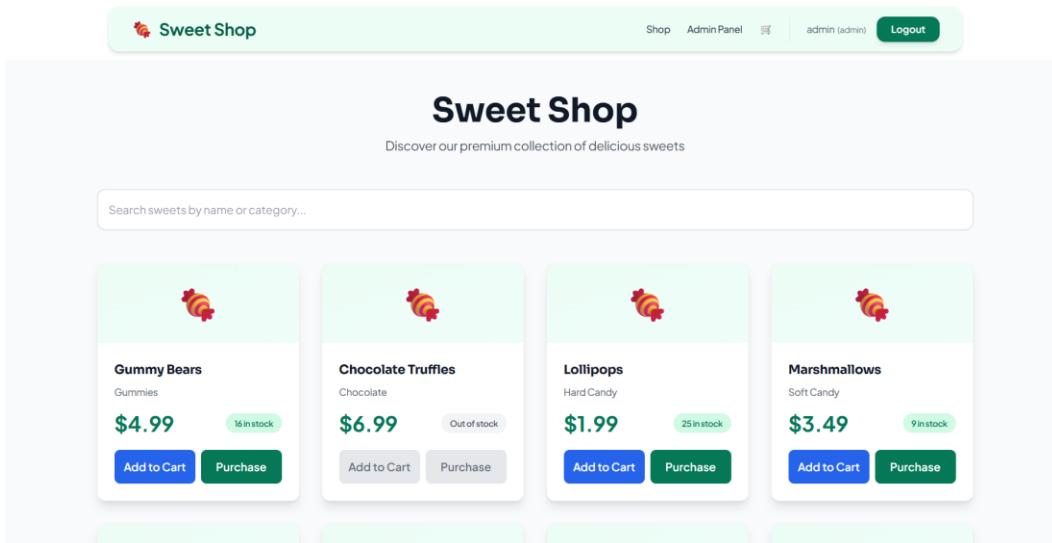


Figure 4: Sweets Listing with Search

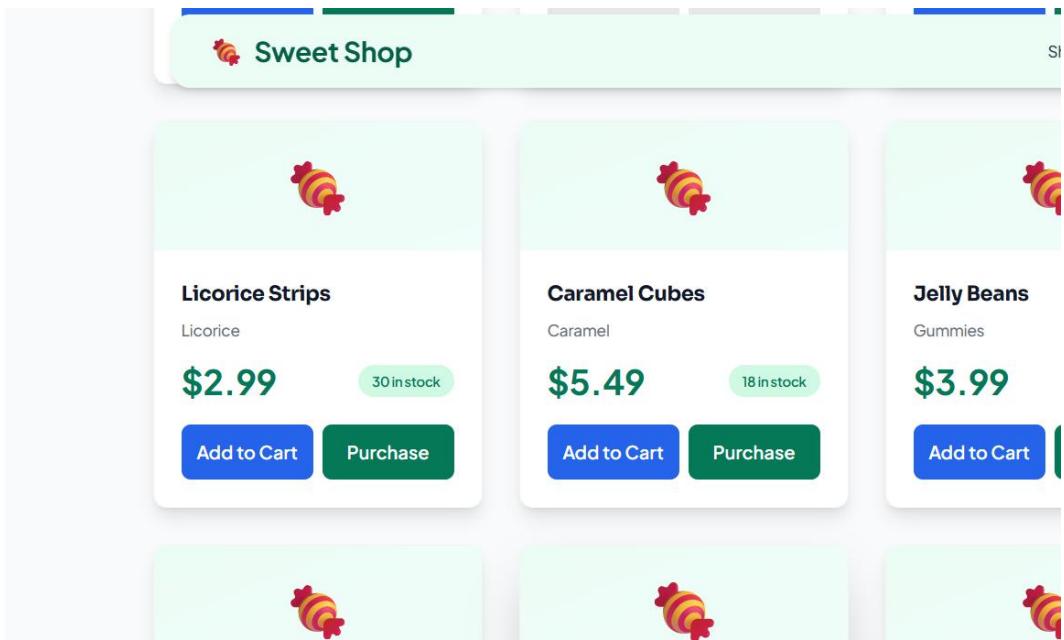


Figure 5: Additional Sweets Listing

The screenshot shows the Admin Panel interface:

- Header:** Sweet Shop, Shop, Admin Panel, Logout. User: admin (admin).
- Section:** Admin Panel. Sub-section: Manage your sweet shop inventory.
- Form:** Add New Sweet. Fields:
  - Sweet Name: e.g., Chocolate Fudge
  - Category: e.g., Chocolate, Candy
  - Price (\$): 0
  - Quantity: 0Button: Add Sweet (green).
- Section:** Sweet Inventory (dark green bar).

Figure 6: Admin Panel - Add Sweet

Name	Category	Price	Stock	Actions
Gummy Bears	Gummies	\$4.99	16 units	<button>Edit</button> <button>Delete</button>
Chocolate Truffles	Chocolate	\$6.99	0 units	<button>Edit</button> <button>Delete</button>
Lollipops	Hard Candy	\$1.99	25 units	<button>Edit</button> <button>Delete</button>
Marshmallows	Soft Candy	\$3.49	9 units	<button>Edit</button> <button>Delete</button>
Licorice Strips	Licorice	\$2.99	30 units	<button>Edit</button> <button>Delete</button>
Caramel Cubes	Caramel	\$5.49	18 units	<button>Edit</button> <button>Delete</button>
Jelly Beans	Gummies	\$3.99	37 units	<button>Edit</button> <button>Delete</button>
Peppermint Bark	Chocolate	\$7.99	9 units	<button>Edit</button> <button>Delete</button>

Figure 7: Admin Inventory Table

<b>Gummy Bears</b> Gummies <b>\$4.99</b> 16 in stock <button>Add to Cart</button> <button>Purchase</button>	<b>Chocolate Truffles</b> Chocolate <b>\$6.99</b> Out of stock <button>Add to Cart</button> <button>Purchase</button>	<b>Lollipops</b> Hard Candy <b>\$1.99</b> 25 in stock <button>Add to Cart</button> <button>Purchase</button>	<b>Marshmallows</b> Soft Candy <b>\$3.49</b> 9 in stock <button>Add to Cart</button> <button>Purchase</button>
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Figure 8: User Cart View

Sweet Shop

Shop user (user) Logout

## Shopping Cart

Product	Price	Quantity	Total	Action
Marshmallows	\$3.49	- 1 +	\$3.49	Remove
Lollipops	\$1.99	- 1 +	\$1.99	Remove

Total: **\$5.48**

Purchase

Clear Cart Continue Shopping

Figure 9: Cart Purchase Summary

Sweet Shop

Shop user (user) Logout

## Shopping Cart

Product	Price	Quantity	Total	Action
Marshmallows	\$3.49	- 1 +	\$3.49	Remove
Lollipops	\$1.99	- 1 +	\$1.99	Remove

Total: **\$5.48**

Purchase

Clear Cart Continue Shopping

✓ Congratulations! You bought: Marshmallows (x1), Lollipops (x1)

Figure 10: Purchase Success Notification