## SustainWear Testing Table

| Test ID | Test Type | Test Case | Description | Expected Result | Actual Result | Status |
|---|---|---|---|---|---|---|
| 1 | Unit Test | Login function validation | Test login with correct and incorrect credentials | Valid credentials log in, invalid credentials show error | Works as expected | Passed |
| 2 | Unit Test | Create donation API | Ensures donation is saved correctly to the database | Donation item stored with correct fields into correct table | Item stored successfully | Passed |
| 3 | Acceptance Test | Donor adds a donation | Donor logs in, uploads a clothing item with details | Donation appears in their history and charity dashboard | Completed successfully | Passed |
| 4 | Acceptance Test | Charity Staff approves/declines donation | Charity staff reviews incoming donation and updates status | Donation status updates and is reflected across system | Worked correctly | Passed |
| 5 | Acceptance Test | Admin views analytics | Admin logs in and accesses metrics (C02 Report) dashboard | Analytics load correctly with no errors | Displayed successfully | Passed |
| 6 | Usability Test | Dashboard navigation | Test whether users can easily navigate between pages | Users can locate features without confusion | Minor improvements made like improving font size | Improved |
| 7 | Usability Test | Donation form clarity | Checks if user/s understand how to submit donations | Users complete form without confusion | Needed clearer labels; fixed | Passed after revision |
| 8 | Accessibility Test | Mobile responsiveness | Check UI on mobile screens | Layout adjusts correctly on all screen sizes | Minor layout fix needed after checking with google lighthouse | Updated |
| 9 | Security Test | Role-based access control | Ensure donor cannot access admin/charity pages | Unauthorized users blocked and sends them to login page | Access correctly blocked after adding middleware | Passed after revision |
| 10 | Security Test | Password storage | Verify passwords stored securely (hashed) | Hashed passwords only | Confirmed hashed storage by using bcrypt | Passed |
| 11 | Security Test | Unauthorized API access | Attempt to access API without authentication using cookie session token | Request denied and will send you to login | Access denied as expected | Passed |

Image proof:

Test ID 1:

← Back to homepage

# Login

alice.admin@sustainwear.org

••••••••••

Login

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## Admin Dashboard

Logout

### Welcome back, Alice!

Manage your system from here:

**Reports Overview**

View sustainability reports submitted by users.

**Go to Reports**

**Create Staff Account**

Add new staff members to help manage users and sustainability tasks.

**Create Staff**

**Promote / Depromote**

Promote donors to staff or depromote staff back to donors.

**Manage Roles**

Test ID 2:

| Donation_ID | Donor_ID | Description | Category_ID | Condition_Grade | Status | Submitted_At | WeightKg | Tracking | Sent_Status |
|---|---|---|---|---|---|---|---|---|---|
| Filter | Filter | Filter | Filter | Filter | Filter | Filter | Filter | Filter | Filter |
| 1 | 1 | Men's winter jacket, barely used | 5 | A | Accepted | 2025-11-05 17:57:54 | NULL | TRK-3315083302 | Sent |
| 2 | 1 | Bundle of 5 T-shirts | 6 | B | Distributed | 2025-11-05 17:57:54 | NULL | NULL | Not Sent |
| 3 | 2 | Kids raincoat yellow | 4 | A | Accepted | 2025-11-05 17:57:54 | NULL | TRK-6521846092 | Sent |
| 4 | 2 | Women's jeans (blue) | 3 | B | Rejected | 2025-11-05 17:57:54 | NULL | NULL | Not Sent |
| 8 | 7 | Yellow Tshirt | 6 | NULL | Accepted | 2025-11-18 19:54:17 | 5.0 | TRK-3861977890 | Sent |
| 9 | 7 | Brown coat, great condition | 6 | A | Accepted | 2025-11-18 21:17:10 | 12.0 | TRK-3537475390 | Sent |
| 10 | 7 | Black Trousers | 2 | A | Accepted | 2025-11-19 22:32:51 | 4.0 | TRK-2137763802 | Sent |
| 11 | 10 | Black Top | 3 | A | Accepted | 2025-11-24 20:35:46 | 1.0 | TRK-2002301273 | Sent |
| 12 | 7 | Black Top | 1 | B | Accepted | 2025-12-03 22:08:58 | 1.0 | TRK-2498770912 | Sent |
| 13 | 7 | Pink Top | 2 | B | Accepted | 2025-12-04 00:12:20 | 1.0 | TRK-9033361682 | Sent |
| 14 | 7 | Blue Top | 1 | A | Accepted | 2025-12-04 00:44:49 | 1.0 | TRK-4601778503 | Sent |
| 15 | 7 | Black Top | 3 | NULL | Pending | 2025-12-05 17:58:33 | 1.0 | NULL | Not Sent |

Test ID 3:

Back to homepage
**Donor Dashboard**

**Donation Details**

Description

Black Top

Category

Women ▼

Weight (kg)

1

Upload Item Image

Choose File | test.png

JPG or PNG only.

**Upload**

---

Back to homepage
**Donor Dashboard**

Donation submitted successfully.        X

**Donation Details**

Description

e.g. Winter coat, good condition

Category

Select... ▼

Weight (kg)

Upload Item Image

Choose File | test.png

JPG or PNG only.

**Upload**

Test ID 4:

**Pending Donations**

1 waiting

| ID | Donor | Category | Condition | Description | Submitted | Actions | | |
|----|-------|----------|-----------|-------------|-----------|---------|--|--|
| 15 | Katie Jones | Women | | Black Top | 12/5/2025 | View! | Review! | Reject! |

## Details

**ID:** 15                    **Donor:** Katie Jones

**Category:** Women

**Description:**
Black Top

**Preview Photo:**



Inventory details (used only when you Accept)

Size label! S                    Gender label Women ⌄

Condition Grade! (A - Like New) ⌄

Season Summer ⌄

[Accept]    [Reject]    [Close]

---

**localhost:3000 says**

Accept donation #15 from Katie Jones?

[OK]    [Cancel]

---

**localhost:3000 says**

Optional note for record (press Cancel to skip):

[ | ]

[OK]    [Cancel]

---

Donation has been accepted and moved to stock.                    ✕

## Pending Donations

0 waiting

| ID | Donor | Category | Condition | Description | Submitted | Actions |
|----|-------|----------|-----------|-------------|-----------|---------|
| Nothing is pending right now! | | | | | | |

## Details

Select a row to see more info.

Test ID 5:

# Admin Dashboard

Logout

## Welcome back, Alice!

Manage your system from here:

### Reports Overview

View sustainability reports submitted by users.

**Go to Reports**

### Create Staff Account

Add new staff members to help manage users and sustainability tasks.

**Create Staff**

### Promote / Depromote

Promote donors to staff or depromote staff back to donors.

**Manage Roles**

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# CO2 Emissions Report  Back to Dashboard

All Data ⌄

Generate Report

Download Report

## Global CO2 and Landfill Summary

**Total Donations:** 11

**Total CO2 Saved (in kg):** 41.5 kg

**Landfill Saved (in kg):** 33.1 kg

Test ID 6:

Back to homepage
# Donor Dashboard

Dashboard | Submit Donation | Notifications | Sent Donations | Logout

with. You can view your donation history and track each of your donation status updates on the dashboard.

Notifications will let you know when staff Accept, Reject or has **Distribute** your donations.

**7** Total items

**25.0 kg** Total weight

**62.5 kg** Estimated CO2 saved

*CO2 estimate is approximate.

## Donation History

| ID | Description | Category | Weight | Status | Submitted | Photo |
|----|-------------|----------|--------|--------|-----------|-------|
| 15 | Black Top | Women | 1.0 | Accepted | 12/5/2025 | |

Test ID 7:

with. You can view your donation history and track each of your donation status updates on the dashboard.

Notifications will let you know when staff **Accept**, **Reject** or has **Distribute** your donations.

| **7** | **25.0** | **62.5** |
| Total items | **kg** | **kg** |
| | Total weight | Estimated CO2 saved |

*CO2 estimate is approximate.

## Donation History

| ID | Description | Category | Weight | Status | Submitted | Photo |
|----|-------------|----------|--------|--------|-----------|-------|
| 15 | Black Top | Women | 1.0 | Accepted | 12/5/2025 | |

Submit Donation

## Donation Details

Description

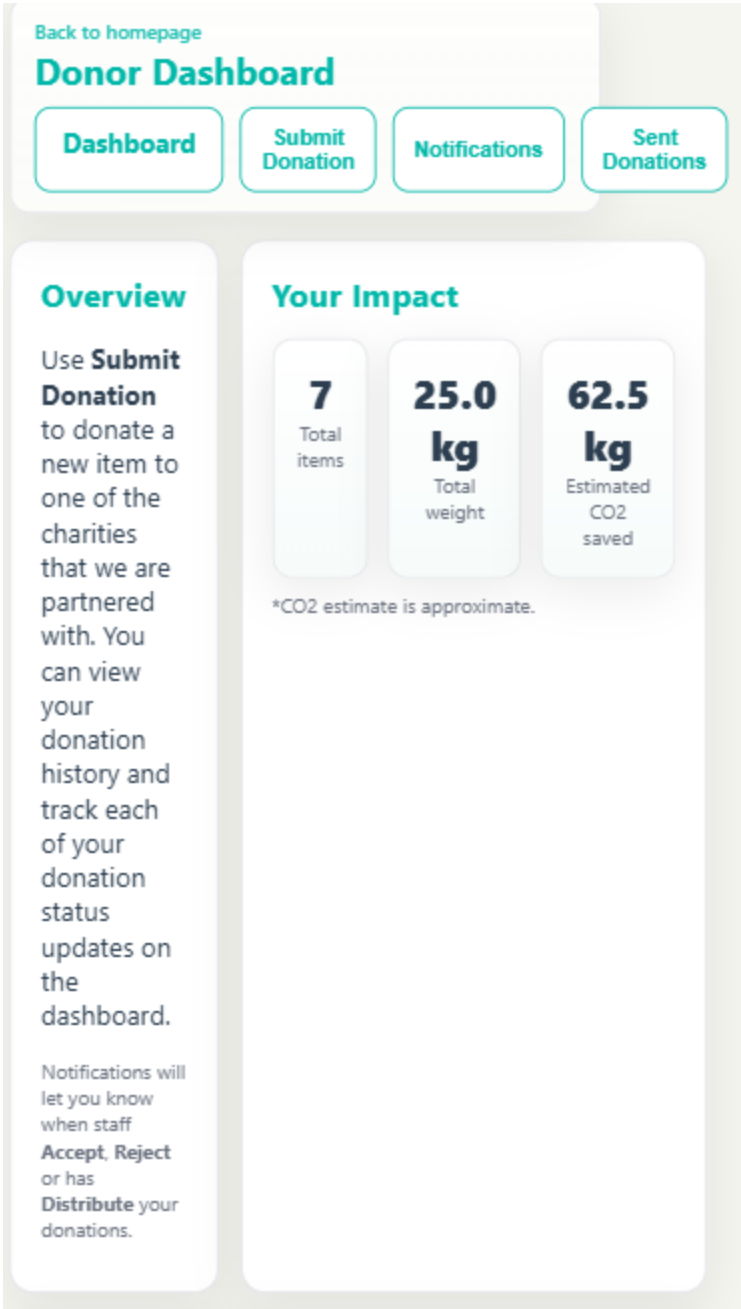e.g. Winter coat, good condition

Category

Select...

Weight (kg)

Upload Item Image

Choose File    No file chosen
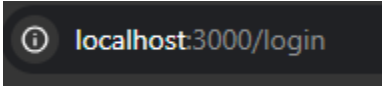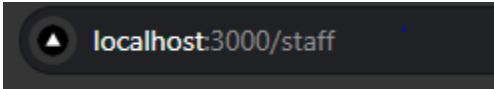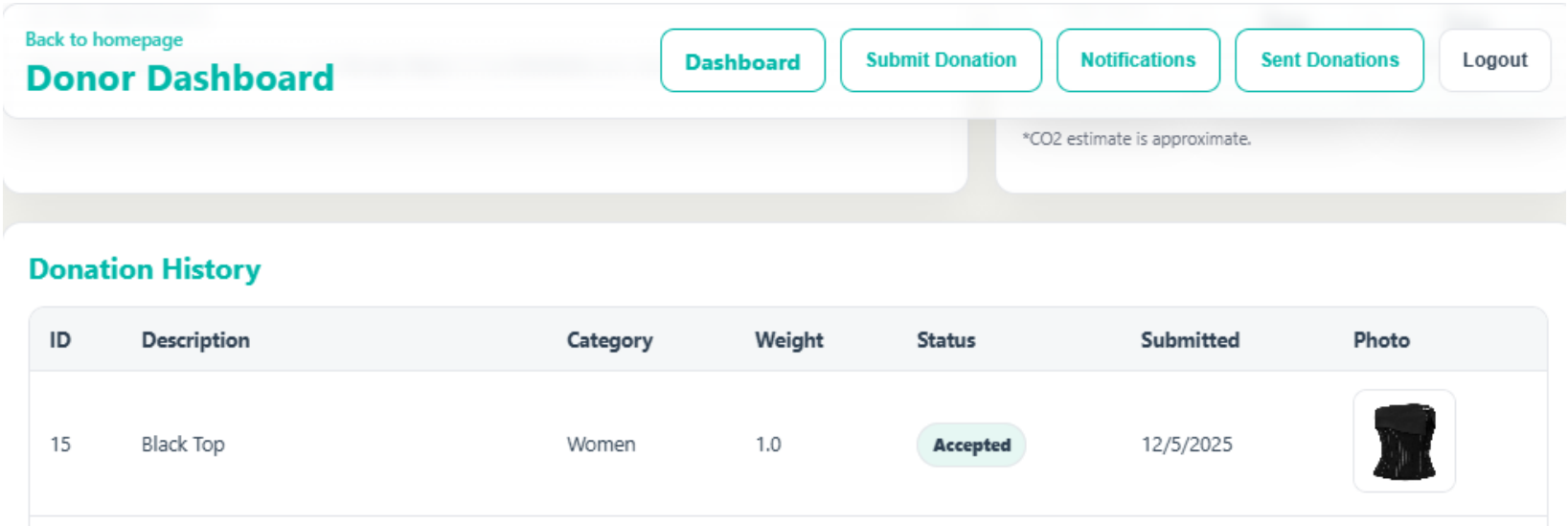
JPG or PNG only.

**Upload**

Test ID 8:

# Donor Dashboard

**Dashboard** | **Submit Donation** | **Notifications** | **Sent Donations**

## Overview

Use **Submit Donation** to donate a new item to one of the charities that we are partnered with. You can view your donation history and track each of your donation status updates on the dashboard.

Notifications will let you know when staff **Accept**, **Reject** or has **Distribute** your donations.

## Your Impact

| 7 | 25.0 kg | 62.5 kg |
|---|---------|---------|
| Total items | Total weight | Estimated CO2 saved |

*CO2 estimate is approximate.

Test ID 9:

localhost:3000/donor

# Donor Dashboard

**Dashboard** | **Submit Donation** | **Notifications** | **Sent Donations** | **Logout**

*CO2 estimate is approximate.

## Donation History

| ID | Description | Category | Weight | Status | Submitted | Photo |
|----|-------------|----------|--------|--------|-----------|-------|
| 15 | Black Top | Women | 1.0 | Accepted | 12/5/2025 | |

localhost:3000/staff

localhost:3000/login

← Back to homepage

# Login

Email

Password

Login

Test ID 10:

| | | | | |
|---|---|---|---|---|
| 9 | Katie Jones | katiejones@example.com | $2b$10$XtclwzZeoK4DZteyH8fJyurkHJJJ… | Donor |
| 15 | Mark Young | MarkYoung@example.com | $2b$10$sv8mSQCnoIWmsr2SaR2fWu/… | Staff |

Test ID 11:

localhost:3000/donor

Back to homepage
**Donor Dashboard**

Dashboard | Submit Donation | Notifications | Sent Donations | Logout

with. You can view your donation history and track each of your donation status updates on the dashboard.

Notifications will let you know when staff **Accept**, **Reject** or has **Distribute** your donations.

**7**
Total items

**25.0 kg**
Total weight

**62.5 kg**
Estimated CO2 saved

*CO2 estimate is approximate.

http://localhost:3000/admin/report

localhost:3000/login