**CS302**

Software Engineering

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Hexagineers

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# Solid Waste Management
## Test Case Document

# Contents

# 1 Test Cases

## 1.1 Test Case 1

- **Purpose** Ask the customer to login

- **Assumptions** N/A

- **Test Data**

| Actions | Input | Expected Output |
|---|---|---|
| Login Credentials | Correct User name/Password Combination | Logged in |
| Login Credentials | Registered User but incorrect password | Error |
| Login Credentials | Unregistered User name | Prompt to Sign up |

## 1.2 Test Case 2

- **Purpose** Customer Registration/Sign in page

- **Assumptions** N/A

- **Test Data**

| Actions | Input | Expected Output |
|---|---|---|
| Mobile Number | Incorrect Mobile Number (More or less than 10 numbers, non-numeric etc) | Prompt the customer to enter valid number |
| Email ID | Invalid email id format | Ask the customer to enter valid email id |
| Password | Password less than 8 characters | Prompt the customer to enter password with required number of characters |
| Password | Password and Confirm Password do not match | Ask the customer to verify and enter same password |
| Pin Code | Invalid Pin Code (More or less than 6 numbers, non-numeric) | Prompt the customer to enter the right Pin Code |
| Blank Field | Any field blank | Prompt the customer to fill the blank box |

## 1.3 Test Case 3

- **Purpose** Request Scrap Dealer landing page

- **Assumptions** The customer is not signed in or registered

- **Test Data**

| Action | Input | Expected Output |
|---|---|---|
| Request Pick up landing page | Not signed in/registered | Prompt the customer to sign in/sign up |

## 1.4 Test Case 4

- **Purpose** Offers Landing Page

- **Assumptions** No current offers

- **Test Data**

| Action | Input | Expected Output |
|---|---|---|
| Offers Page | No offers | Ask the customers to visit this section soon |
| Offers Page | Available Offers | Customers can choose from Offers |

## 1.5   Test Case 5

- **Purpose** Request Scrap pick-up

- **Assumptions** The customer is logged in and pick up address is same as registered address

- **Test Data**

| Actions | Input | Expected Output |
|---|---|---|
| Pin Code | Registered pin code | If service not available, prompt the customer that service is not available |
| Quantity | Approximate Scrap Quantity (If quantity <0kg) | Prompt the customer to enter valid quantity(in kg) |
| Address | Address field disabled | Customer cannot change address |

## 1.6   Test Case 6

- **Purpose** Request Scrap pick-up

- **Assumptions** The customer is logged in but pick up address is not same as registered address

- **Test Data**

| Actions | Input | Expected Output |
|---|---|---|
| Pin code | Invalid pin code (More/Less than 6 numbers, non-numeric) | Prompt the customer to enter valid pin code |
| Pin code | Pin code | If service not available, prompt the customer that service is not available |
| Quantity | Approximate Scrap Quantity (If quantity less than 0kg) | Prompt the customer to enter valid quantity(in kg) |

## 1.7   Test Case 7

- **Purpose** Cart Page

- **Assumptions** The customer is logged in.

- **Test Data**

| Actions | Input | Expected Output |
|---------|-------|-----------------|
| Cart Page | Requested quantity more than available stock | Prompt the customers that the required number of pieces is not available |
| Cart Page | Requested quantity less than zero | Ask the customer to enter a valid range of number of pieces |
| Cart Page | Customer proceeds without any product | Ask the customer to put at least one product in the cart |

## 1.8   Test Case 8

- **Purpose** Profile Page

- **Assumptions** The customer has registered and is logged in.

- **Test Data**

| Actions | Input | Expected Output |
|---------|-------|-----------------|
| Name Change | New name is same as old name | Prompt the customer to enter new name |
| Name Change | Name contains non-alphabetic characters | Prompt the customers to enter a valid name (w/o any symbols) |
| Mobile Number | Incorrect Mobile Number (More or less than 10 numbers, non-numeric etc) | Prompt the customer to enter valid number |
| Email ID | Invalid email id | Ask the customer to enter valid email id |
| Password | Password less than 8 characters | Prompt the customer to enter password with required number of characters |
| Password | Password and Confirm Password do not match | Ask the customer to verify and enter same password |
| New Password | New password should be valid (as above) (New password is same as old password) | Prompt the customer that the new password is same as old password. |
| PIN Code | Invalid Pin Code (More or less than 6 numbers, non-numeric) | Prompt the customer to enter the right Pin Code |
| Track Order | If order is in transit | Track order button is available |

## 1.9   Test Case 9

- **Purpose** Ask the scrap dealer to Login

- **Assumptions** N/A

- **Test Data**

| Actions | Input | Expected Output |
|---------|-------|-----------------|
| Login Credentials | Correct User name/Password Combination | Logged in |
| Login Credentials | Registered User but incorrect password | Error |

## 1.10   Test Case 10

- **Purpose** Customer Requests page

- **Assumptions** The customer is logged in and requested for a pick up.

- **Test Data**

## 1.11 Test Case 11

- **Purpose** Scrap/Waste collection form

- **Assumptions** The customer is logged in and requested for a pick up. At this point, it is assumed that the scrap dealer has come to pick up the waste.

- **Test Data**

| Actions | Input | Expected Output |
|---|---|---|
| Scrap Collection | No waste (Waste quantity is less than 0.5 kg) | Prompt the customer to give at least one type of waste or be penalized |
| Scrap Collection | Scrap Dealer submits form with wrong details | Option to verify and reset before confirmed by customer |