
















## TESTCASES

Test Case	Description	Input	Expected Output	Status
TC01	Generate PDF for valid customer	customer_id=1	PDF generated with valid data	 Pass
TC02	Handle non-existent customer	customer_id=9999	Error: "Customer not found."	 Pass
TC03	No account for customer	Valid customer, no account	Error: "Account not found"	 Pass
TC04	No transactions in account	Valid account, no transactions	PDF with empty table and 0 values	 Pass
TC05	Fewer transactions than page size	5 transactions, per_page=15	One page rendered	 Pass
TC06	Multiple pages	30 transactions, page=2	Page 2 of 2, correct data	 Pass
TC07	Amount formatting & colors	Mixed credit/debit	Colors and format correct	 Pass
TC08	Pagination footer check	page=1, total_pages=3	Shows "Continued on next page..."	 Pass
TC09	Long text handling	Long merchant/desc fields	Layout remains intact	 Pass
TC10	Statement generation date	Any input	Footer shows generation timestamp	 Fail
TC11	Card number masking	"1234567812345678"	Shows "***** * 5678"	 Pass
TC12	Available credit calculation	Credit limit & balance	Correct difference shown	 Pass
TC13	abs filter works	Negative transaction values	Absolute values in table	 Pass
TC14	DB connection failure	Wrong DB config	Error message shown	 Pass
TC15	File overwrite check	Existing PDF file	File is overwritten	 Fail



# SAMPLE OUTPUT

## CREDIT CARD STATEMENT

### Customer Info

**John Doe**

123 Elm Street, Cape Town, 8001

 john.doe@example.com |  +27 82 123 4567

### Card Details

- **Card Number:** \*\*\*\* \* 5678
- **Card Type:** Platinum
- **Statement Date:** 16/04/2025

### Account Summary

- **Previous Balance:** R 0.00
- **Payments & Credits:** R 2,500.00
- **Purchases & Debits:** R 3,200.00
- **Current Balance:** R 3,200.00
- **Credit Limit:** R 10,000.00
- **Available Credit:** R 6,800.00

### Important Notice:

**IMPORTANT:** Payment due by 25th of this month. To avoid interest charges, please pay the full current balance.

### Transactions (Page 1 of 2)

Date	Description	Merchant	Category	Amount (R)
15/04/2025	Grocery Purchase	Checkers	Groceries	R 1,200.00
13/04/2025	Online Payment	PayFast	Payment	<b>R 2,500.00</b>
12/04/2025	Fuel Refill	Engen Garage	Transport	R 600.00
10/04/2025	Restaurant Bill	Ocean Basket	Dining	R 450.00

Date	Description	Merchant	Category	Amount (R)
09/04/2025	Mobile Recharge	Vodacom	Utilities	R 150.00

*(and 10 more transactions for this page...)*

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#### **Contact Information**

- **Customer Service:** 0800 123 456
  - **Email:** support@standardbank.co.za
  - **International:** +27 11 299 4701
  - **Lost/Stolen Cards:** 0800 020 600
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#### **Footer**

Standard Bank is a licensed financial services provider in terms of the Financial Advisory and Intermediary Services Act and a registered credit provider in terms of the National Credit Act, registration number NCRCP15.

 Statement generated on 16/04/2025 14:22