Test Name	What is being tested	Expe	cted Output		
Test 1 - apply_trans	action_fee_with	draw	Check correct fee is withdrawals	s applied fo	r Deducts \$0.50
Test 2 - apply_trans	action_fee_tran		Check correct fee is a ransfers	applied for	Deducts \$1.00
Test 3 - apply_trans	action_fee_no_f	_	eck no fee is applied posits	d for	No fee deducted
Test 4 - apply_trans aft	action_fee_over	dr ne	neck if balance goes gative, overdraft fee plied		Deducts additional \$5.00
Test 5 - process_dep	_	neck de	eposit is greater than	n Transa	ction succeeds
Test 6 - process_dep e		Check if ejected	deposit of ≤ 0 is	"Deposit a positive."	amount must be
Test 7 - process_dep nt	osit_correct_am		neck if correct amounded to account		Balance updated correctly
Test 8 - proce	ess_withdrawal_v	alid	Check withdrawa greater than 0	_	ransaction succeeds

Test 9 - process_withdrawal_negative	Check if withdrawal of ≤ 0 is rejected	"Withdrawal amount must be positive."	
Test 10 - process_withdrawal_sufficient_ba lance	Check if withdrawal succeeds when balance is sufficient	Transaction succeeds	
<pre>Test 11 - process_withdrawal_insufficient_ funds</pre>	Check if withdrawal fails when balance is insufficient	"Insufficient funds for withdrawal."	
<pre>Test 12 - process_withdrawal_fee_applied</pre>	Check if withdrawal fee is deducted	Deducts \$0.50	
Test 13 - Check if transfer is greater than process_transfer_valid 0			
Test 14 - process_transfer_negativeCheck if transfer of ≤ 0 is rejected"Transfer amount must be positive."			
Test 15 - process_transfer_sufficient_bal ance	Check if transfer succeeds when balance is sufficient		
Test 16 - process_transfer_insufficient_f unds	Check if transfer fails when balance is insufficient	"Insufficient funds for transfer."	
Test 17 - process_transfer_destination_e xists	Check if transfer fails when destination account does not exist	"Destination account not found."	
	Check if transfer fee is educted	Deducts \$1.00	

Test	What is being	Expected Output
Name	tested	

Test 19 - Check if a valid transaction Valid

validate_transaction_valid passes

Test 20 - Check if a negative "Transaction amount validate_transaction_negative_am" amount is rejected must be positive."

Test 21 - Check if an inactive "Account is not validate_transaction_inactive_acc account is rejected active."

Test 22 - Check if an invalid "Invalid transaction validate_transaction_invalid_t transaction type is rejected type"

ype

Test 23 - Check if deposit is Transaction execute_transaction_deposit_succ processed correctly succeeds ess

Test 24 - Check if withdrawal is Transaction execute_transaction_withdraw_su processed correctly when ccess balance is sufficient

Test 25 - Check if "Insufficient execute_transaction_withdraw_insufficie withdrawal fails funds for when balance is insufficient insufficient"

Test 26 - Check if transfer is processed correctly when both accounts exist and funds are sufficient Transaction

Transaction succeeds

Test 27 -	Check if transfer	"Insufficient
<pre>execute_transaction_transfer_insufficie nt_funds</pre>	fails when balance is insufficient	funds for transfer."

Test 28 -	Check if transfer	"Destination
<pre>execute_transaction_transfer_no_destinatio</pre>	fails when the	account not
n_account	destination	found."
	account is	
	missing	

Test 29 -	Check if transaction fails	"Account not
<pre>execute_transaction_account_not_</pre>	when the account is missing	found."
found		

File 3

Test Name	What is being tested	Expected Output
Test 30 - load_accounts_valid_file	Check if accounts are correctly loaded from a valid file	Returns list of accounts
Test 31 - load_accounts_invalid_fi le	Check if error is logged for missing file	"File Error: Transaction file not found."

File 4

Test Name	What is beir tested	ng Expected Output	
Test 32 -		Check if backend processes	Successfully processes
run_backer	nd_valid_flo	transactions and saves output correctly	all transactions

run_backend_invalid_transaction_f handles incorrect transaction format transaction format

Test 34 - Check if backend "File Error: run_backend_missing_transaction handles missing Transaction file not

Check if backend

transaction file

Test 33 -

_file

"Input Error: Invalid

found."