12 Test Cases						
Test Case ID	Description	Input Data	Expected Result	Initial State	Final State	Equivalence Class
TC01	Valid transaction with all correct inputs	Bank=123, Branch=4567, Account=1234567890, Key=Abc12345, Order=Checkbook	Request processed successfully	App idle	Confirmation message displayed	Valid
TC02	Invalid bank code (too short)	Bank=12, Branch=4567, Account=1234567890, Key=Abc12345, Order=Statement	Error: invalid bank code	App idle	Error message displayed	Invalid
TC03	Invalid branch code (non-numeric)	Bank=123, Branch=ABCD, Account=1234567890, Key=Abc12345, Order=Checkbook	Error: invalid branch code	App idle	Error message displayed	Invalid
TC04	Invalid account number (too long)	Bank=123, Branch=4567, Account=123456789 0123, Key=Abc12345, Order=Statement	Error: invalid account number	App idle	Error message displayed	Invalid
TC05	Invalid personal key (too short)	Bank=123, Branch=4567, Account=1234567890, Key=A1, Order=Checkbook	Error: invalid personal key	App idle	Error message displayed	Invalid
TC06	Invalid order value	Bank=123, Branch=4567, Account=1234567890, Key=Abc12345, Order=Loan	Error: invalid order type	App idle	Error message displayed	Invalid
TC07	Valid request for statement	Bank=999, Branch=1111, Account=9876543210, Key=ZxY98765, Order=Statement	Request processed successfully	App idle	Confirmation message displayed	Valid
TC08	Valid request for checkbook	Bank=555, Branch=2222, Account=1111111111, Key=Key12345, Order=Checkbook	Request processed successfully	App idle	Confirmation message displayed	Valid
TC09	Invalid bank code (non-numeric)	Bank=ABC, Branch=4567, Account=1234567890, Key=Abc12345, Order=Statement	Error: invalid bank code	App idle	Error message displayed	Invalid
TC10	Invalid branch code (too short)	Bank=123, Branch=45, Account=1234567890, Key=Abc12345, Order=Checkbook	Error: invalid branch code	App idle	Error message displayed	Invalid
TC11	Invalid account number (non-numeric)	Bank=123, Branch=4567, Account=ABCDE12345, Key=Abc12345, Order=Statement	Error: invalid account number	App idle	Error message displayed	Invalid
TC12	Valid transaction with edge values	Bank=000, Branch=0000, Account=0000000000, Key=Edge1234, Order=Checkbook	Request processed successfully	App idle	Confirmation message displayed	Valid

Equivalence Class Mapped
Bank Code (valid), Branch Code (valid), Account Number (valid), Personal Key (valid), Order Value (valid)
Bank Code (invalid: <3 digits)
Branch Code (invalid: non-numeric)
Account Number (invalid: >10 digits)
Personal Key (invalid: too short)
Order Value (invalid: not "Checkbook"/ "Statement")
Order Value (valid: "Statement")
Order Value (valid: "Checkbook")
Bank Code (invalid: non-numeric)
Branch Code (invalid: <4 digits)
Account Number (invalid: non-numeric)
Bank Code (valid: 000), Branch Code (valid: 0000), Account Number (valid: 0000000000), Personal Key (valid edge), Order Value (valid: "Checkbook")