

Test Number	Test Case Type	Description	Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1	Database/ Functionality	Testing that sort codes generated for new accounts follow the required format standards (60-60-60, 60-60-70, 60-70-70)	Create multiple accounts for same customer  Record generated sort codes  Verify format and uniqueness	Using existing customer profile "JOHN DOE" (CUST000002)  Create personal, ISA and business account  Record generated sort codes from each account creation	All sort codes should follow the same format: "60-xx-xx" where xx are numbers. Each account type should have appropriate prefix patterns:  Personal: 60-60-60 ISA: 60-60-70 Business: 60-70-70  Sort codes should be unique for each account	The program produced three accounts with the same format as expected with the appropriate patterns to distinguish account types.	Pass
2	Consistency	Verify that sort codes maintain consistent formatting across all account displays and database storage	Use existing accounts  View accounts from accounts portal  Verify database storage format	Using existing customer profile "JOHN DOE"  View account in accounts portal  Check database entry for account	Sort code should display consistently as "60-xx-xx" as per account type format with hyphens in all views: Account list, account actions and database	The program displayed the correct format for each account type consistently throughout the account list, account actions and database	Pass

### Testing Notes:

This section here is to provide description that gives clarity to any glaring issues that needs addressing, information not applicable for the table and useful advice needed.

#### Test Number 1

Step 1 | Using existing customer profile:

```
-----  
Customer ID: CUST000002  
-----  
Name: JOHN DOE  
-----  
National insurance number: DC123456E  
-----  
Photo Id: 123456789  
-----  
Address: REF@#$^&123  
-----  
Customer has been with us since: 2026-01-26 14:53:27  
  
1. View Accounts  
2. Open Account  
3. Switch Customer  
4. Help  
0. Back to Main Menu  
  
Select option: 2
```

Step 2 | Create multiple accounts:

```
≡ Open Account ≡  
≡ Select Account Type ≡  
1. Personal  
2. ISA  
3. Business  
4. Help  
0. Back to Customer Portal  
  
Select an option: 1
```

```
≡ Create PERSONAL Account ≡  
  
--- Account Setup ---  
1. Set Initial Balance  
2. Help  
0. Cancel  
Select an option: 1  
Enter initial deposit amount: £500
```

```
Creating Personal account with opening balance: £500.0  
1. Confirm  
0. Cancel  
Select: 1  
Account created: 46804043 (Sort Code: 60-60-60)  
Personal Account Created Successfully!
```

```
≡ Open Account ≡  
≡ Select Account Type ≡  
1. Personal  
2. ISA  
3. Business  
4. Help  
0. Back to Customer Portal  
  
Select an option: 2
```

```
≡ Create ISA Account ≡  
  
--- Account Setup ---  
1. Set Initial Balance  
2. Help  
0. Cancel  
Select an option: 1  
Enter initial deposit amount: £500
```

```
Creating ISA account with opening balance: £500.0  
1. Confirm  
0. Cancel  
Select: 1  
Account created: 20202256 (Sort Code: 60-60-70)  
ISA Account Created Successfully!
```

```
≡≡ Open Account ≡≡  
≡≡ Select Account Type ≡≡  
1. Personal  
2. ISA  
3. Business  
4. Help  
0. Back to Customer Portal  
  
Select an option: 3
```

```
≡≡ Create BUSINESS Account ≡≡  
  
Please select Business Type:  
1. Sole Trader  
2. Ltd  
0. Cancel  
Selection: 1
```

```
--- Account Setup ---  
1. Set Initial Balance  
2. Help  
0. Cancel  
Select an option: 1  
Enter initial deposit amount: £500
```

```
Creating Business (Sole Trader) account with opening balance: £500.0
1. Confirm
0. Cancel
Select: 1
Annual fee of £120.00 applied.
Account created: 63526172 (Sort Code: 60-70-70)
Business (Sole Trader) Account Created Successfully!
```

Step 3 | Record generated sort codes:

```
-----
Customer ID: CUST0000002
-----
Name: JOHN DOE
-----
National insurance number: DC123456E
-----
Photo Id: 123456789
-----
Address: REF@#$^&123
-----
Customer has been with us since: 2026-01-26 14:53:27

1. View Accounts
2. Open Account
3. Switch Customer
4. Help
0. Back to Main Menu

Select option: 1
```

```
≡ JOHN DOE (CUST000002) Accounts ≡
```

No	Type	Account Number	Sort Code	Balance
1	Personal	46804043	60-60-60	£500.00
2	ISA	20202256	60-60-70	£500.00
3	Business (Sole Trader)	63526172	60-70-70	£380.00

```
1. Select Account
2. Help
0. Back
```

### Test Number 2

Step 1 | Use existing accounts:

```
≡ JOHN DOE (CUST000002) Accounts ≡
```

No	Type	Account Number	Sort Code	Balance
1	Personal	46804043	60-60-60	£580.00
2	ISA	20202256	60-60-70	£500.00
3	Business (Sole Trader)	63526172	60-70-70	£380.00
4	Personal	97791191	60-60-60	£10000.00

```
1. Select Account
2. Help
0. Back

Select option: 1
```

Step 2 | View accounts from accounts portal:

≡ JOHN DOE (CUST000002) Accounts ≡

Account #5 (Personal) | Account Number: 46804043 | Sort Code: 60-60-60 | Balance: £580.00

1. Deposit
2. Withdraw
3. View Transactions
4. Set Up Direct Debit
5. Set Up Standing Order
6. View Scheduled Payments
7. Help
0. Back to Accounts List

≡ JOHN DOE (CUST000002) Accounts ≡

Account #6 (ISA) | Account Number: 20202256 | Sort Code: 60-60-70 | Balance: £500.00

1. Deposit
2. Withdraw
3. View Transactions
4. Apply Annual Interest
5. Help
0. Back to Accounts List

≡ JOHN DOE (CUST000002) Accounts ≡

Account #7 (Business (Sole Trader)) | Account Number: 63526172 | Sort Code: 60-70-70 | Balance: £380.00

1. Deposit
2. Withdraw
3. View Transactions
4. Issue Cheque Book
5. Help
0. Back to Accounts List



Step 3 | Verify database storage format:

≡ ACCOUNTS ≡						
account_id	customer_id	account_type	account_number	sort_code	balance	opening_balance
4	CUST000001	Personal	17658945	60-60-60	1250.0	1200.0
5	CUST000002	Personal	46804043	60-60-60	700.0	500.0
6	CUST000002	ISA	20202256	60-60-70	500.0	500.0
7	CUST000002	Business (Sole Trader)	63526172	60-70-70	380.0	380.0
8	CUST000002	Personal	97791191	60-60-60	10000.0	10000.0