

AccuFund → Mr. MoneyBags v1.x

Comprehensive Verification & Acceptance Procedure – Part 2 (Sections 7-13 & Appendices)

Important: Sections 0-6 (Pre-Verification through Reporting) are documented in "**AccuFund Verification Procedure v1.x – Part 1.md.**"

Complete and pass all tests in Part 1 before proceeding with the checks below.

7 Utility Features Verification (30 tests)

7.1 Inter-Entity Transfer Wizard (10 tests)

#	Test	Expected	Role	✓
7.1.1	Create \$50 transfer between entities	Two mirror JEs created	F	<input type="checkbox"/>
7.1.2	Due-to/Due-from accounts balanced	Balances zero out	F	<input type="checkbox"/>
7.1.3	Transfer with different currencies	FX rate applied correctly	F	<input type="checkbox"/>
7.1.4	Transfer with memo field	Memo appears in both JEs	F	<input type="checkbox"/>
7.1.5	View transfer history list	All transfers listed	F	<input type="checkbox"/>
7.1.6	Filter transfers by entity	List filters correctly	F	<input type="checkbox"/>
7.1.7	Search transfers by description	Matching rows shown	F	<input type="checkbox"/>
7.1.8	Reverse a transfer	Offsetting entries created	F	<input type="checkbox"/>
7.1.9	Export transfer list to CSV	File downloads with data	F	<input type="checkbox"/>
7.1.10	Verify JE link drill-down	Click row opens JE	F	<input type="checkbox"/>

7.2 Dashboard Features (10 tests)

#	Test	Expected	Role	✓
7.2.1	Dashboard loads with charts	All widgets render	F	<input type="checkbox"/>
7.2.2	Fund Balance Trends chart	Trend correct	F	<input type="checkbox"/>
7.2.3	Income vs Expenses chart	Values accurate	F	<input type="checkbox"/>
7.2.4	Fund Distribution donut	Segments match data	F	<input type="checkbox"/>
7.2.5	Recent Transactions panel	Shows latest 10 txns	F	<input type="checkbox"/>
7.2.6	Unposted Entries panel	Shows draft JEs	F	<input type="checkbox"/>
7.2.7	Change date range	Charts refresh	F	<input type="checkbox"/>
7.2.8	Entity filter on dashboard	Data scoped to entity	F	<input type="checkbox"/>
7.2.9	Print dashboard	PDF generates correctly	F	<input type="checkbox"/>
7.2.10	Consolidated view toggle	Switches between views	F	<input type="checkbox"/>

7.3 Default Financial Reports (10 tests)

#	Test	Expected	Role	✓
7.3.1	Open Default Reports page	Report list loads	F	<input type="checkbox"/>
7.3.2	Statement of Financial Position	Report correct	F	<input type="checkbox"/>
7.3.3	Statement of Activities	Report correct	F	<input type="checkbox"/>
7.3.4	Statement of Functional Expenses	Report correct	F	<input type="checkbox"/>
7.3.5	Statement of Cash Flows	Report correct	F	<input type="checkbox"/>
7.3.6	Export report → PDF	PDF downloads	F	<input type="checkbox"/>
7.3.7	Export report → Excel	XLSX downloads	F	<input type="checkbox"/>
7.3.8	Filter report by fund	Data filters	F	<input type="checkbox"/>
7.3.9	Filter report by date range	Data filters	F	<input type="checkbox"/>
7.3.10	Print report	Print layout correct	F	<input type="checkbox"/>

8 User Interface Verification (20 tests)

#	Check	Steps	Expected	✓
8.1	Navigation links	Click all main nav links	No 404 / errors	<input type="checkbox"/>
8.2	Responsive menu	Resize to 375 px width	Hamburger menu appears	<input type="checkbox"/>
8.3	Lighthouse a11y score	Run audit	Score ≥ 90	<input type="checkbox"/>
8.4	Color contrast	Check random pages	WCAG AA compliant	<input type="checkbox"/>
8.5	Keyboard navigation	Tab through inputs	Focusable & logical	<input type="checkbox"/>
8.6	Screen reader labels	Test with SR	Elements announced	<input type="checkbox"/>
8.7	Form validation messages	Submit invalid form	Clear guidance shown	<input type="checkbox"/>
8.8	Modal dialogs	Open/close all modals	No JS errors	<input type="checkbox"/>
8.9	Toast notifications	Trigger success/error	Toasts display & auto-dismiss	<input type="checkbox"/>
8.10	Loading indicators	Open heavy pages	Spinner visible	<input type="checkbox"/>
8.11	Table sorting	Click column headers	Rows sort correctly	<input type="checkbox"/>
8.12	Table filtering	Use filter boxes	Rows filter	<input type="checkbox"/>
8.13	Table pagination	Navigate pages	Data loads	<input type="checkbox"/>
8.14	Form reset/cancel	Click reset	Form returns to default	<input type="checkbox"/>
8.15	Print-friendly CSS	Print various pages	Layouts optimized	<input type="checkbox"/>
8.16	Back to Dashboard buttons	Click on banking pages	Returns home	<input type="checkbox"/>
8.17	Entity selector	Change entity	Values update	<input type="checkbox"/>
8.18	Consolidated toggle	Toggle on/off	Data refreshes	<input type="checkbox"/>
8.19	Tab interfaces	Switch tabs	Correct content visible	<input type="checkbox"/>
8.20	Help tooltips	Hover help icons	Tooltip text appears	<input type="checkbox"/>

9 Data Integrity Verification (28 tests)

9.1 Database Integrity Checks (15 tests)

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#	Procedure	Expected	✓
9.1.1	Debit = Credit	Trial balance variance 0	<input type="checkbox"/>
9.1.2	Restricted funds non-negative	No negatives	<input type="checkbox"/>
9.1.3	JE audit trail present	User/time recorded	<input type="checkbox"/>
9.1.4	Bank recon integrity proc	Returns 0 variance	<input type="checkbox"/>
9.1.5	Inter-entity balances	Due-to/Due-from zero	<input type="checkbox"/>
9.1.6	Vendor payment totals	Match invoices	<input type="checkbox"/>
9.1.7	Check number uniqueness	No duplicates	<input type="checkbox"/>
9.1.8	Deposit totals match items	Sums equal	<input type="checkbox"/>
9.1.9	NACHA file validator	No errors	<input type="checkbox"/>
9.1.10	Foreign keys enforced	No orphan rows	<input type="checkbox"/>
9.1.11	Unique constraints	No dup keys	<input type="checkbox"/>
9.1.12	Check constraints	All pass	<input type="checkbox"/>
9.1.13	Null constraints	Required not null	<input type="checkbox"/>
9.1.14	Data type conformity	Values proper types	<input type="checkbox"/>
9.1.15	Index health	All indexes valid	<input type="checkbox"/>

9.2 New Table Verification (13 tests)

#	Table	Rows ≥	✓
9.2.1	bank_statements	5	<input type="checkbox"/>
9.2.2	bank_statement_transactions	20	<input type="checkbox"/>
9.2.3	bank_reconciliations	3	<input type="checkbox"/>
9.2.4	bank_reconciliation_items	15	<input type="checkbox"/>
9.2.5	bank_reconciliation_adjustments	2	<input type="checkbox"/>
9.2.6	bank_deposits	5	<input type="checkbox"/>
9.2.7	bank_deposit_items	15	<input type="checkbox"/>
9.2.8	check_formats	4	<input type="checkbox"/>
9.2.9	printed_checks	10	<input type="checkbox"/>
9.2.10	vendor_bank_accounts	8	<input type="checkbox"/>
9.2.11	payment_items	12	<input type="checkbox"/>
9.2.12	nacha_files	3	<input type="checkbox"/>
9.2.13	session	1	<input type="checkbox"/>

10 Performance Verification (20 tests)

#	Scenario	Metric	Pass Threshold	✓
10.1	Login (20 users)	Avg page load	< 2 s	<input type="checkbox"/>
10.2	Import 10k-line JE	Process time	< 60 s	<input type="checkbox"/>
10.3	Dashboard load	Page load	< 3 s	<input type="checkbox"/>
10.4	COA 1000 accts	Load time	< 2 s	<input type="checkbox"/>
10.5	JE list 10k rows	Load time	< 3 s	<input type="checkbox"/>
10.6	Reconcile 500 txns	Auto-match	< 10 s	<input type="checkbox"/>
10.7	Income Statement 12 mo	Report time	< 5 s	<input type="checkbox"/>
10.8	Custom report 20 cols	Report time	< 8 s	<input type="checkbox"/>
10.9	NL query processing	Response	< 3 s	<input type="checkbox"/>
10.10	NACHA generation 100+	Process	< 5 s	<input type="checkbox"/>
10.11	Print 50 checks	Processing	< 15 s	<input type="checkbox"/>
10.12	Database backup 100 MB	Backup	< 30 s	<input type="checkbox"/>
10.13	Database restore 100 MB	Restore	< 60 s	<input type="checkbox"/>
10.14	API 95th percentile	Resp time	< 500 ms	<input type="checkbox"/>
10.15	Memory under load	Max RAM	< 4 GB	<input type="checkbox"/>
10.16	CPU under load	Max CPU	< 80 %	<input type="checkbox"/>
10.17	DB pool usage	Connections	< 80 % pool	<input type="checkbox"/>
10.18	Network throughput	Bandwidth	< 10 Mbps	<input type="checkbox"/>
10.19	Disk I/O	IOPS	< 1000	<input type="checkbox"/>
10.20	Full load 50 users	Resp degradation	< 25 %	<input type="checkbox"/>

11 Documentation & Help Verification (15 tests)

#	Test	Expected	✓
11.1	Administrator Guide v1.x	PDF accessible & complete	<input type="checkbox"/>
11.2	User Guide v1.x	PDF accessible & complete	<input type="checkbox"/>
11.3	Installation Guide	PDF accurate	<input type="checkbox"/>
11.4	Migration Guide v1.x	PDF accurate	<input type="checkbox"/>
11.5	Migration Steps v1.x	Checklist complete	<input type="checkbox"/>
11.6	Interactive ER Diagram	Loads; matches DB	<input type="checkbox"/>
11.7	Backend Architecture Diagram	Components complete	<input type="checkbox"/>
11.8	Frontend Architecture Diagram	Components complete	<input type="checkbox"/>
11.9	In-app help tooltips	Present on complex fields	<input type="checkbox"/>
11.10	Error messages	Clear, actionable	<input type="checkbox"/>
11.11	Form validation text	Clear requirements	<input type="checkbox"/>
11.12	Documentation links	No 404	<input type="checkbox"/>
11.13	Documentation search	Returns relevant results	<input type="checkbox"/>
11.14	Printability of docs	Print formatting correct	<input type="checkbox"/>
11.15	Overall completeness	All features documented	<input type="checkbox"/>

12 Backup & Recovery Verification (10 tests)

#	Test	Steps	Expected	✓
12.1	Automated nightly dump	Check cron log	Dump < 24 h old	<input type="checkbox"/>
12.2	Sandbox restore	<code>pg_restore</code> runs	App starts ok	<input type="checkbox"/>
12.3	Manual backup	Run <code>pg_dump</code>	Backup completes	<input type="checkbox"/>
12.4	Point-in-time recovery	Restore timestamp	Data correct	<input type="checkbox"/>
12.5	Backup encryption	Verify encryption	File unreadable raw	<input type="checkbox"/>
12.6	Backup compression	Check size	Compressed	<input type="checkbox"/>
12.7	Off-site transfer	Check logs	Transfer ok	<input type="checkbox"/>
12.8	Retention policy	History matches policy	<input type="checkbox"/>	
12.9	Backup verification	Integrity check passes	<input type="checkbox"/>	
12.10	Disaster recovery test	Full restore	System operational	<input type="checkbox"/>

13 Final Acceptance Testing

13.1 End-to-End Workflows (10 tests)

#	Workflow	Steps	Expected	✓
13.1.1	Full Accounting Cycle	JE → Post → Reports	Reports reflect JE	<input type="checkbox"/>
13.1.2	Banking Cycle	Deposit → Check → Reconcile	All items reconciled	<input type="checkbox"/>
13.1.3	Vendor Payment Cycle	Vendor → Payment → NACHA	File generated	<input type="checkbox"/>
13.1.4	Reporting Cycle	Standard → Custom → Export	All reports generate	<input type="checkbox"/>
13.1.5	User Management Cycle	Create user → Assign role → Login	Proper access	<input type="checkbox"/>
13.1.6	Entity Management Cycle	Entity → Fund → JE → Consolidate	Included correctly	<input type="checkbox"/>
13.1.7	Bank Reconciliation Cycle	Import → Match → Reconcile	Balances correct	<input type="checkbox"/>
13.1.8	Check Printing Cycle	Create → Print → Void → Reprint	All steps succeed	<input type="checkbox"/>
13.1.9	Custom Reporting Cycle	Build → Save → Schedule → Receive	Report delivered	<input type="checkbox"/>
13.1.10	Inter-Entity Transfer Cycle	Create transfer → Verify → Report	Reflected correctly	<input type="checkbox"/>

13.2 Stakeholder Sign-off

Role	Name	Date	Signature
Finance Lead			
IT Lead			
Executive Sponsor			

All sections must be ☒ Pass before production cut-over.

Appendix A – Troubleshooting Reference

Area	Symptom	Likely Cause	Resolution
Auth	Logout loop	Missing <code>credentials:'include'</code>	Clear cache; redeploy JS
Banking	Check mis-aligned	Printer DPI mis-set	Adjust X/Y offsets in format
ACH	Bank rejects file	Immediate Origin incorrect	Update ACH settings; regenerate
Reconciliation	Items won't match	Date format mismatch	Check import parser format
Reports	Slow generation	Missing DB index	Add index; re-analyze
Performance	High CPU	JS build in dev mode	Switch to production build
DB	Connection errors	Pool exhausted	Increase pool size; tune queries
Security	Session expiry too fast	TTL too low	Adjust session config
API	404 on <code>/formats</code>	Route order conflict	Split into dedicated route
UI	Form won't submit	Client-side validation	Check browser console

Appendix B – Test Data Reference

Test Area	Sample Data Location	Contents
Bank Reconciliation	/samples/bank/statements/	OFX, CSV, QFX samples
Vendor Payments	/samples/vendors/	Vendor CSV templates
Check Printing	/samples/checks/	Sample check formats
Journal Entries	/samples/journal/	JE import CSVs
Reports	/samples/reports/	Report definitions
Users	/samples/users/	User import template