Requirements Traceability Matrix(RTM)

Req ID	Short Requirement	Design Spec Ref	Module	Test Case ID	Status (N/P/A)	Comments / Dependencies
DAP-F-001	Create account with email/password	DS-Auth-01	Authentication	TC-Auth-01	P	Password policy enforced
DAP-F-002	Login via email/password & OAuth	DS-Auth-02	Authentication	TC-Auth-02	P	Depends on OAuth APIs
DAP-F-003	Enable two-factor authentication (2FA)	DS-Auth-03	Authentication	TC-Auth-03	P	OTP via SMS/Email
DAP-F-004	Reset password with email verification	DS-Auth-04	Authentication	TC-Auth-04	P	Email service dependency
DAP-F-005	Fetch balances via exchange APIs	DS-Port-01	Portfolio Management	TC-Port-01	P	Requires API keys/OAuth
DAP-F-006	Show portfolio value in multiple currencies	DS-Port-02	Portfolio Management	TC-Port-02	P	Currency conversion API
DAP-F-007	Cache data for offline portfolio view	DS-Port-03	Portfolio Management	TC-Port-03	P	Limited offline data
DAP-F-008	Fetch live crypto prices	DS-Price-01	Price Monitoring	TC-Price-01	N	API rate limits apply
DAP-F-009	Add/search cryptocurrencies to watchlist	DS-Price-02	Price Monitoring	TC-Price-02	N	Watchlist persistence required
DAP-F-010	Auto-update portfolio with price changes	DS-Price-03	Price Monitoring	TC-Price-03	N	WebSocket or polling needed
DAP-F-011	Generate ROI & profit/loss charts	DS-Analytics-01	Analytics & Reports	TC-Analytics-01	N	Visualization library needed

DAP-F-012	Show asset allocation via pie charts	DS-Analytics-02	Analytics & Reports	TC-Analytics-02	N	Visualization library needed
DAP-F-013	Export reports as CSV/PDF	DS-Analytics-03	Analytics & Reports	TC-Analytics-03	N	PDF/CSV libraries required
DAP-F-014	Send price alerts at target levels	DS-Alert-01	Alerts & Notifications	TC-Alert-01	N	Push/Email service required
DAP-F-015	Notify portfolio changes >5%	DS-Alert-02	Alerts & Notifications	TC-Alert-02	N	User-configurable thresholds