

Sr No	Project Name	Epic ID	Epic	Story ID	Story Title	Story Description	Task ID	Task	Description	Sub Task
1	AML System	E001	User Management & Authentication	S001	Customer Registration	Implement secure customer registration with KYC validation	T001	Create Customer Entity	Design and implement Customer entity with all required fields	Database schema design
				T002	Registration API	Develop customer registration REST API endpoints	T003	KYC Document Upload	Implement document upload and validation system	Input validation and password hashing
		E002	Bank Account Management	S002	JWT Authentication	Implement secure JWT-based authentication system	T004	KYC Document Upload	Configure JWT security with proper token generation	File upload and validation rules
				S003	OTP Verification	Implement OTP-based two-factor authentication	T005	Login/Logout APIs	Develop authentication endpoints with proper error handling	Security configuration
		E003	Transaction Processing	S004	Account Creation	Implement bank account creation with approval workflow	T006	OTP Service	Create OTP generation and validation service	Error handling and session management
				S005	Account Operations	Implement basic account operations and balance management	T007	Email Integration	Integrate email service for OTP delivery	Random generation and expiry handling
				S006	Transaction Creation	Implement secure transaction processing system	T008	BankAccount Entity	Design bank account entity with approval status	SMTP configuration
		E004	AML Rule Engine	S007	Transaction History	Implement transaction history and reporting	T009	Account Creation API	Develop account creation with initial balance handling	Entity relationships
				S008	Rule Configuration	Implement configurable AML rules system	T010	Approval Workflow	Implement admin approval/rejection workflow	Business logic implementation
		E005	Compliance Officer Dashboard	S009	Risk Scoring	Implement transaction risk scoring engine	T011	Balance Management	Implement balance tracking and validation	Status management and notifications
				S010	Suspicious Keywords	Implement suspicious keyword detection	T012	Account Status Management	Implement account activation/suspension	Concurrency handling
				S011	Country Risk Setup	Implement country-based risk assessment	T013	Transaction Entity	Design transaction entity with all required fields	Status transitions
		E006	Alert Management	S012	Officer Dashboard Overview	Implement comprehensive compliance officer dashboard with key metrics	T014	Transaction API	Develop transaction creation and processing APIs	Entity design and relationships
				S013	Alert Investigation Workflow	Implement streamlined alert investigation and case management	T015	Balance Validation	Implement balance checking and updates	Business logic and validation
				S014	Alert Generation	Implement automated alert generation system	T016	History API	Develop transaction history retrieval APIs	Atomic operations
		E007	Admin System	S015	Alert Processing	Implement alert handling and resolution	T017	Transaction Reports	Implement transaction reporting features	Pagination and filtering
				S016	Admin Dashboard	Implement comprehensive admin dashboard	T018	AML Rule Entity	Design AML rule entity with conditions and weights	Report generation and exports
				S017	Officer Management	Implement compliance officer management	T019	Rule Management API	Develop rule CRUD operations	Rule structure design
		E008	Email Notification System	S018	System Configuration	Implement system configuration management	T020	Risk Calculation	Implement risk score calculation algorithm	Rule validation and activation
				S019	Email Service	Implement comprehensive email notification system	T021	Rule Evaluation	Implement rule evaluation against transactions	Complex business logic
		E009	Security & Compliance	S020	Audit Trail	Implement comprehensive audit logging	T022	Keyword Entity	Design suspicious keyword entity with risk levels	Rule engine logic
				S021	Role-Based Access	Implement comprehensive role-based access control	T023	Keyword Detection	Implement keyword matching in transactions	Entity design
				S022	Data Protection	Implement data encryption and protection	T024	Keyword Management	Develop keyword CRUD operations	Text processing and pattern matching
							T025	Country Risk Entity	Design country risk entity with risk scores	Admin interface
							T026	Risk Assessment	Implement country risk evaluation in transactions	Entity design
							T027	Country Management	Develop country risk CRUD operations	Risk calculation integration
							T028	Dashboard Layout	Design responsive dashboard layout with key AML metrics	Admin management
							T029	Real-time Metrics	Implement real-time dashboard metrics and KPIs	UI/UX design and responsive layout
							T030	Alert Summary Widget	Create alert summary widget with priority indicators	Data aggregation and real-time updates
							T031	Alert Details View	Create detailed alert investigation interface	Widget development and data visualization
							T032	Case Management	Implement case creation and tracking system	Investigation workflow and UI
							T033	Investigation Notes	Implement investigation notes and documentation system	Case lifecycle management
							T034	Evidence Management	Implement evidence collection and attachment system	Note-taking and documentation features
							T035	Alert Entity	Design alert entity with severity levels	File management and evidence tracking
							T036	Alert Generation Logic	Implement automatic alert creation for high-risk transactions	Entity relationships
							T037	Alert Assignment	Implement alert assignment to compliance officers	Business rules and triggers
							T038	Alert Resolution	Implement alert investigation and resolution workflow	Assignment logic
							T039	Alert APIs	Develop alert management APIs for officers	Workflow management
							T040	Dashboard Statistics	Implement dashboard with system statistics	CRUD operations
							T041	User Activity Monitoring	Implement user activity analysis for blocking decisions	Data aggregation and metrics
							T042	Officer Entity	Design compliance officer entity	Activity tracking and risk assessment
							T043	Officer CRUD	Develop officer creation and management APIs	Entity design
							T044	Officer Activation	Implement officer activation/deactivation	User management
							T045	Configuration APIs	Develop APIs for managing rules keywords countries	Status management
							T046	User Blocking	Implement user blocking/unblocking functionality	Configuration management
							T047	Email Configuration	Configure SMTP and email templates	User status management
							T048	Transaction Notifications	Implement email notifications for transactions	SMTP setup and templates
							T049	Alert Notifications	Implement email notifications for alerts	Event-driven notifications
							T050	Audit Entity	Design audit log entity for tracking changes	Alert-based emails
							T051	Audit Service	Implement audit logging service	Audit design
							T052	Security Configuration	Configure Spring Security with role-based access	Logging implementation
							T053	Permission Management	Implement fine-grained permission system	Security setup
							T054	Data Encryption	Implement sensitive data encryption	Authorization logic
							T055	Input Validation	Implement comprehensive input validation	Encryption implementation
										Validation rules