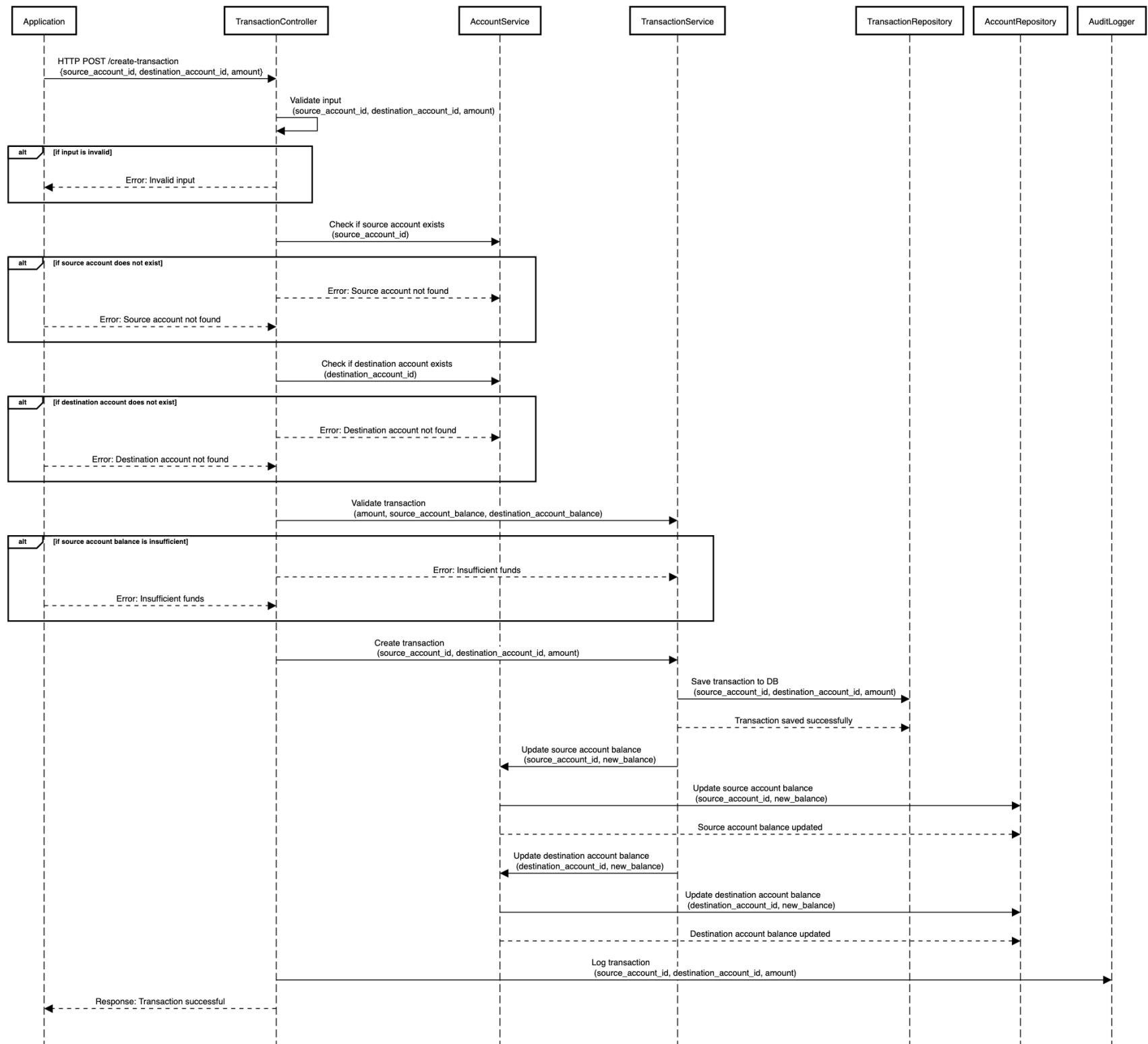
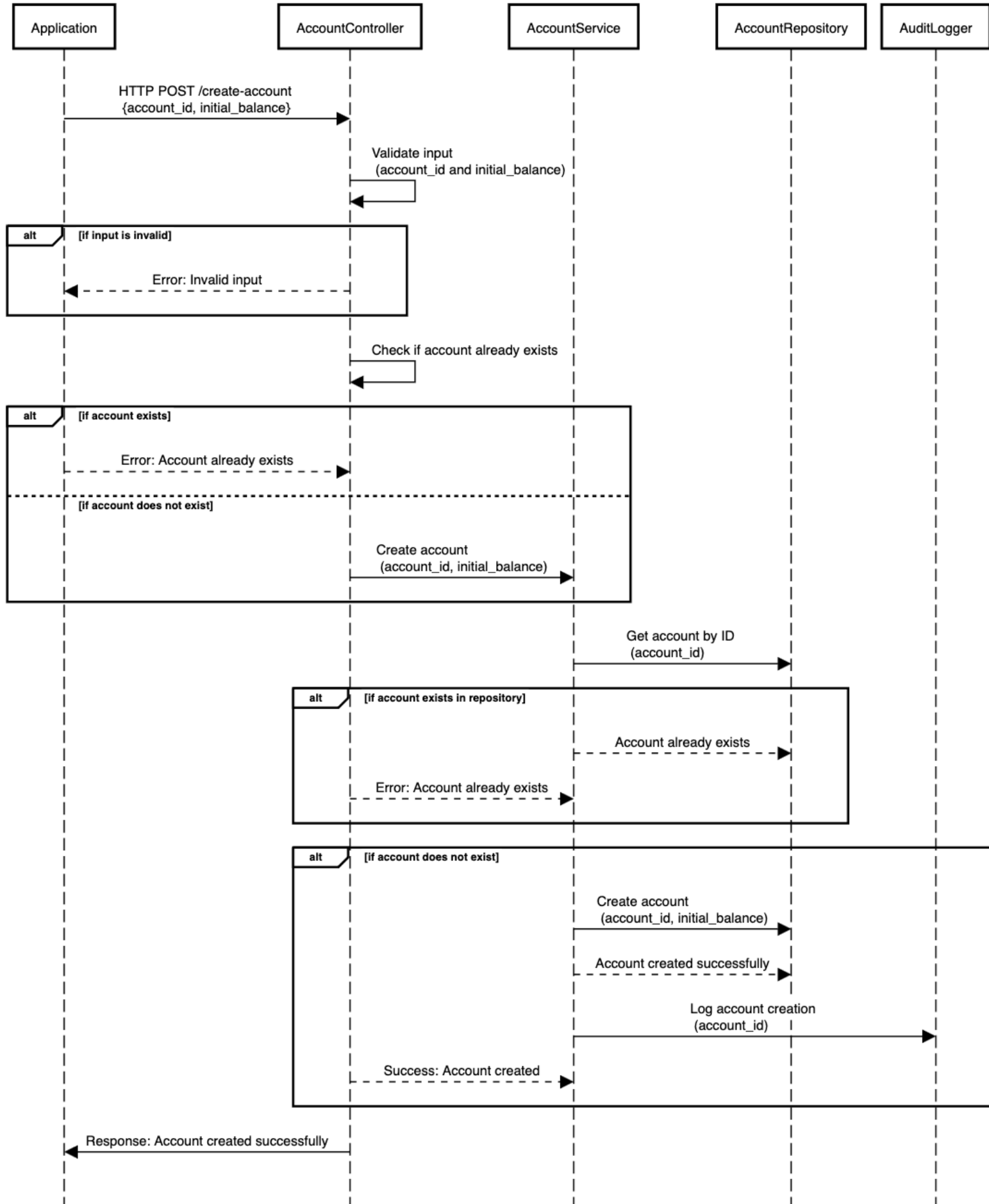


# Transfer-System

# Transaction Flow



## Account Creation Flow



About the Project

/internal-transfers

└─ /cmd	
└─ └─ main.go	# Entry point for the application
└─ /common	
└─ └─ audit_logger.go	# Implements the AuditLogger for logging application actions
└─ └─ config.go	# Configuration utilities, including loading environment variables
└─ └─ logger.go	# Logger utilities for consistent logging across the application
└─ /controller	
└─ └─ account_controller.go	# Handles HTTP requests for account-related operations (REST API controllers)
└─ └─ transaction_controller.go	# Handles HTTP requests for transaction-related operations
└─ /model	
└─ └─ account.go	# Defines the Account data structure
└─ └─ transaction.go	# Defines the Transaction data structure
└─ └─ input_validation.go	# Input validation logic and request data models (e.g., CreateAccountInput)
└─ /persistence	
└─ └─ account_repository.go	# Implements data access methods for account operations (CRUD)
└─ └─ transaction_repository.go	# Implements data access methods for transaction operations (CRUD)
└─ └─ db.go	# Database connection and setup
└─ /service	
└─ └─ account_service.go	# Business logic for account operations
└─ └─ transaction_service.go	# Business logic for transaction operations
└─ /tests	
└─ └─ unit	
└─ └─ └─ account_service_test.go	# Unit tests for account service logic
└─ └─ └─ transaction_service_test.go	# Unit tests for transaction service logic
└─ └─ └─ account_controller_test.go	# Unit tests for account controller
└─ └─ └─ transaction_controller_test.go	# Unit tests for transaction controller
└─ └─ mocks	
└─ └─ └─ mock_account_repository.go	# Mock for AccountRepository for unit tests
└─ └─ └─ mock_transaction_repository.go	# Mock for TransactionRepository for unit tests
└─ └─ └─ mock_account_service.go	# Mock for AccountService for unit tests
└─ go.mod	# Go modules file for dependencies