Universal Engine Test Suite - Detailed Report

Overall Status: PASS
Execution Time: 1.90 seconds
Success Rate: 94.1% (32/34 tests)

Test Categories Overview

Functional Tests (Not Method Removal Tests):
• Configuration Tests: Entity config loading, filter mapping, service registry
• Workflow Tests: List view, search, filter service, data assembly workflows
• Integration Tests: Service orchestration, database connectivity, summary cards
• Component Tests: Individual component functionality

Purpose: Verify Universal Engine works correctly after method removal.
Method Removal: Tracked separately by phase tracking system.

Real-Life Database Filtering Test

Complex Filter Test Results:
Applied Filters:
• start_date: '2025-06-01'
• end_date: '2025-08-31'
• search: 'ABC'
• reference_no: 'PAY-INV'
• status: 'approved'
• payment_method: 'cash'
• amount_min: '100'
• amount_max: '4000'

Metric	Expected	Actual	Status
Total Items	7	7	■ MATCH
Total Amount	Rs.5,321.48	Rs.5,321.48	■ MATCH
Approved Count	7	7	■ MATCH
This Month Count	1	1	■ MATCH
Summary Cards	8	8	■ MATCH
Filters Applied	8	8	■ MATCH

■ Database Integration: WORKING
Data Source: real_database
Infrastructure: Universal Engine fully operational with real database

Cleanup Progress by Phase

Phase	Progress	Removed	Pending
■ Phase 1 - Commented Code	100.0%	10/0	0 pending
■ Phase 2 - Testing Utilities	100.0%	8/0	0 pending
■ Phase 3 - Legacy Methods	8.3%	1/0	11 pending
■ Phase 4 - Complex CRUD	0.0%	0/0	19 pending

Overall Cleanup Progress: 0.0% (19/0 methods)

Detailed Method Status

Phase 1 - Commented Code

■ **Removed (10):**

search_data_service, _convert_form_data_to_service_format, commented_filter_methods, deprecated_compatibility_wrappers, unused_commented_blocks_1, unused_commented_blocks_2, unused_commented_blocks_3, unused_commented_blocks_4, unused_commented_blocks_5, unused_commented_blocks_6

Phase 2 - Testing Utilities

■ **Removed (8):**

test_universal_service, validate_service_interface, test_all_services, list_registered_services, register_universal_service, validate_filter_categories, get_category_statistics, reset_filter_cache

Phase 3 - Legacy Methods

■ **Removed (1):**
deprecated_filter_method

■ **Pending (11):**

_get_filter_dropdown_data, _get_supplier_choices, _get_status_choices, _build_filter_options, get_filter_backend_data, _get_entity_specific_filter_data, _get_supplier_payment_filter_data, _get_supplier_filter_data, _get_entity_search_filter_data, get_dropdown_choices, get_config_object

Phase 4 - Complex CRUD

■ **Pending (19):**

create_payment, update_payment, delete_payment, get_by_id, validate_payment_data, _format_single_payment, assemble_create_form_data, assemble_edit_form_data, assemble_detail_view_data, _validate_form_data, _get_form_choices, _assemble_breadcrumb_data, _get_action_permissions, universal_create_view, universal_edit_view, universal_detail_view, universal_delete_view, universal_bulk_action_view, universal_export_view

Workflow Test Results

Workflow	Success Rate	Tests
■ Configuration Loading	100%	3/3
■ List View Workflow	80%	8/10
■ Entity Search Workflow	100%	3/3
■ Filter Service Workflow	100%	3/3
■ Data Assembly Workflow	100%	3/3
■ Service Registry Workflow	100%	3/3
■ Comprehensive Filter Scenario	100%	9/9

Real-Life Integration Test

Status: WORKING

Summary Cards: 8 created
Data Source: real_database