

Test Cases Catalog

Total test cases: 114

Backend — Access Logs API (13)

TestAccessLogEndpoints.test_get_access_logs_exceeds_max_limit

(backend/tests/test_access_log_endpoints.py)

- Test getting access logs exceeding maximum limit
- Test suite for /api/access-logs/* endpoints

TestAccessLogEndpoints.test_get_access_logs_filter_by_date_range

(backend/tests/test_access_log_endpoints.py)

- Test filtering access logs by date range
- Test suite for /api/access-logs/* endpoints

TestAccessLogEndpoints.test_get_access_logs_filter_by_endpoint

(backend/tests/test_access_log_endpoints.py)

- Test filtering access logs by endpoint
- Test suite for /api/access-logs/* endpoints

TestAccessLogEndpoints.test_get_access_logs_filter_by_operation_type

(backend/tests/test_access_log_endpoints.py)

- Test filtering access logs by operation type
- Test suite for /api/access-logs/* endpoints

TestAccessLogEndpoints.test_get_access_logs_filter_by_user_id

(backend/tests/test_access_log_endpoints.py)

- Test filtering access logs by user ID
- Test suite for /api/access-logs/* endpoints

TestAccessLogEndpoints.test_get_access_logs_invalid_date_format

(backend/tests/test_access_log_endpoints.py)

- Test filtering with invalid date format
- Test suite for /api/access-logs/* endpoints

TestAccessLogEndpoints.test_get_access_logs_statistics (backend/tests/test_access_log_endpoints.py)

- Test getting access log statistics
- Test suite for /api/access-logs/* endpoints

TestAccessLogEndpoints.test_get_access_logs_statistics_unauthorized

(backend/tests/test_access_log_endpoints.py)

- Test getting statistics without authentication
- Test suite for /api/access-logs/* endpoints

TestAccessLogEndpoints.test_get_access_logs_success (backend/tests/test_access_log_endpoints.py)

- Test getting access logs with authentication
- Test suite for /api/access-logs/* endpoints

TestAccessLogEndpoints.test_get_access_logs_unauthorized (backend/tests/test_access_log_endpoints.py)

- Test getting access logs without authentication
- Test suite for /api/access-logs/* endpoints

TestAccessLogEndpoints.test_get_access_logs_with_limit (backend/tests/test_access_log_endpoints.py)

- Test getting access logs with limit parameter
- Test suite for /api/access-logs/* endpoints

TestAccessLogEndpoints.test_get_access_logs_with_max_limit (backend/tests/test_access_log_endpoints.py)

- Test getting access logs with maximum limit
- Test suite for /api/access-logs/* endpoints

TestAccessLogEndpoints.test_get_access_logs_with_offset (backend/tests/test_access_log_endpoints.py)

- Test getting access logs with offset parameter
- Test suite for /api/access-logs/* endpoints

Backend — Auth API (14)

TestAuthEndpoints.test_activate_account_invalid_token (backend/tests/test_auth_endpoints.py)

- Test account activation with invalid token
- Test suite for /api/auth/* endpoints

TestAuthEndpoints.test_change_password_success (backend/tests/test_auth_endpoints.py)

- Test successful password change
- Test suite for /api/auth/* endpoints

TestAuthEndpoints.test_change_password_unauthorized (backend/tests/test_auth_endpoints.py)

- Test password change without authentication
- Test suite for /api/auth/* endpoints

TestAuthEndpoints.test_change_password_wrong_current (backend/tests/test_auth_endpoints.py)

- Test password change with wrong current password
- Test suite for /api/auth/* endpoints

TestAuthEndpoints.test_get_current_user_invalid_token (backend/tests/test_auth_endpoints.py)

- Test getting current user with invalid token
- Test suite for /api/auth/* endpoints

TestAuthEndpoints.test_get_current_user_success (backend/tests/test_auth_endpoints.py)

- Test getting current user info with valid token
- Test suite for /api/auth/* endpoints

TestAuthEndpoints.test_get_current_user_unauthorized (backend/tests/test_auth_endpoints.py)

- Test getting current user without token
- Test suite for /api/auth/* endpoints

TestAuthEndpoints.test_login_invalid_credentials (backend/tests/test_auth_endpoints.py)

- Test login with invalid password
- Test suite for /api/auth/* endpoints

TestAuthEndpoints.test_login_nonexistent_user (backend/tests/test_auth_endpoints.py)

- Test login with non-existent user
- Test suite for /api/auth/* endpoints

TestAuthEndpoints.test_login_success (backend/tests/test_auth_endpoints.py)

- Test successful login
- Test suite for /api/auth/* endpoints

TestAuthEndpoints.test_register_duplicate_email (backend/tests/test_auth_endpoints.py)

- Test registration with duplicate email
- Test suite for /api/auth/* endpoints

TestAuthEndpoints.test_register_invalid_email (backend/tests/test_auth_endpoints.py)

- Test registration with invalid email format
- Test suite for /api/auth/* endpoints

TestAuthEndpoints.test_register_missing_fields (backend/tests/test_auth_endpoints.py)

- Test registration with missing required fields
- Test suite for /api/auth/* endpoints

TestAuthEndpoints.test_register_success (backend/tests/test_auth_endpoints.py)

- Test successful user registration
- Test suite for /api/auth/* endpoints

Backend — End-to-end Integration Flows (17)

TestAuthenticationIntegration.test_authentication_required_flow (backend/tests/test_integration_auth_flow.py)

- Integration test: Verify authentication required for protected endpoints
- Steps:

TestAuthenticationIntegration.test_complete_registration_and_login_flow

(backend/tests/test_integration_auth_flow.py)

- Integration test: Complete registration and login flow
- Steps:

TestAuthenticationIntegration.test_login_and_access_wardrobe_flow

(backend/tests/test_integration_auth_flow.py)

- Integration test: Login and access wardrobe flow
- Steps:

TestCompleteUserJourney.test_complete_journey_search_pagination_and_suggestion

(backend/tests/test_integration_complete_user_journey.py)

- Integration test: Complete journey with search, pagination, and suggestion
- Steps:

TestCompleteUserJourney.test_complete_journey_wardrobe_to_outfit_to_history

(backend/tests/test_integration_complete_user_journey.py)

- Integration test: Complete journey from wardrobe to outfit to history
- Steps:

TestCompleteUserJourney.test_complete_journey_with_wardrobe_matching

(backend/tests/test_integration_complete_user_journey.py)

- Integration test: Complete journey with wardrobe matching
- Steps:

TestOutfitSuggestionIntegration.test_complete_flow_cost_calculation

(backend/tests/test_integration_outfit_flow.py)

- Integration test: Verify cost calculation in complete flow
- Steps:

TestOutfitSuggestionIntegration.test_complete_flow_duplicate_detection_workflow

(backend/tests/test_integration_outfit_flow.py)

- Integration test: Complete duplicate detection workflow
- Steps:

TestOutfitSuggestionIntegration.test_complete_flow_from_wardrobe_item

(backend/tests/test_integration_outfit_flow.py)

- Integration test: Complete flow starting from wardrobe item
- Steps:

TestOutfitSuggestionIntegration.test_complete_flow_with_duplicate_get_new_suggestion

(backend/tests/test_integration_outfit_flow.py)

- Integration test: Complete flow with duplicate detection but get new AI suggestion
- Steps:

TestOutfitSuggestionIntegration.test_complete_flow_with_duplicate_use_existing

(backend/tests/test_integration_outfit_flow.py)

- Integration test: Complete flow with duplicate detection and using existing suggestion
- Steps:

TestOutfitSuggestionIntegration.test_complete_flow_with_model_image_generation

(backend/tests/test_integration_outfit_flow.py)

- Integration test: Complete flow with model image generation enabled
- Steps:

TestWardrobeManagementIntegration.test_complete_wardrobe_management_flow

(backend/tests/test_integration_wardrobe_flow.py)

- Integration test: Complete wardrobe management flow
- Steps:

TestWardrobeManagementIntegration.test_wardrobe_duplicate_detection_flow

(backend/tests/test_integration_wardrobe_flow.py)

- Integration test: Wardrobe duplicate detection flow
- Steps:

TestWardrobeManagementIntegration.test_wardrobe_pagination_integration

(backend/tests/test_integration_wardrobe_flow.py)

- Integration test: Wardrobe pagination integration
- Steps:

TestWardrobeManagementIntegration.test_wardrobe_search_and_filter_integration

(backend/tests/test_integration_wardrobe_flow.py)

- Integration test: Wardrobe search and filter integration
- Steps:

TestWardrobeManagementIntegration.test_wardrobe_summary_integration

(backend/tests/test_integration_wardrobe_flow.py)

- Integration test: Wardrobe summary integration
- Steps:

Backend — Outfit API (18)

TestOutfitEndpoints.test_check_duplicate_authenticated (backend/tests/test_outfit_endpoints.py)

- Test duplicate check with authentication
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_check_duplicate_missing_image (backend/tests/test_outfit_endpoints.py)

- Test duplicate check without image
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_check_duplicate_no_auth (backend/tests/test_outfit_endpoints.py)

- Test duplicate check without authentication (should work for anonymous)
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_delete_outfit_history_authenticated (backend/tests/test_outfit_endpoints.py)

- Test deleting outfit history entry
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_delete_outfit_history_nonexistent (backend/tests/test_outfit_endpoints.py)

- Test deleting non-existent outfit history entry
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_delete_outfit_history_unauthorized (backend/tests/test_outfit_endpoints.py)

- Test deleting outfit history without authentication

- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_get_outfit_history_authenticated (backend/tests/test_outfit_endpoints.py)

- Test getting outfit history with authentication
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_get_outfit_history_unauthorized (backend/tests/test_outfit_endpoints.py)

- Test getting outfit history without authentication
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_get_outfit_history_with_limit (backend/tests/test_outfit_endpoints.py)

- Test getting outfit history with limit parameter
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_health_check (backend/tests/test_outfit_endpoints.py)

- Test health check endpoint
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_root_endpoint (backend/tests/test_outfit_endpoints.py)

- Test root endpoint
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_suggest_outfit_authenticated (backend/tests/test_outfit_endpoints.py)

- Test outfit suggestion with authentication
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_suggest_outfit_from_wardrobe_item_authenticated

(backend/tests/test_outfit_endpoints.py)

- Test suggesting outfit from wardrobe item with authentication
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_suggest_outfit_from_wardrobe_item_nonexistent

(backend/tests/test_outfit_endpoints.py)

- Test suggesting outfit from non-existent wardrobe item
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_suggest_outfit_from_wardrobe_item_unauthorized

(backend/tests/test_outfit_endpoints.py)

- Test suggesting outfit from wardrobe item without authentication
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_suggest_outfit_missing_image (backend/tests/test_outfit_endpoints.py)

- Test outfit suggestion without image
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_suggest_outfit_unauthorized (backend/tests/test_outfit_endpoints.py)

- Test outfit suggestion without authentication (should work for anonymous)
- Test suite for /api/suggest-outfit and related endpoints

TestOutfitEndpoints.test_suggest_outfit_with_model_image (backend/tests/test_outfit_endpoints.py)

- Test outfit suggestion with model image generation
- Test suite for /api/suggest-outfit and related endpoints

Backend — Outfit ↔ Wardrobe Integration (4)

TestOutfitWardrobeIntegration.test_suggest_outfit_from_wardrobe_item_with_matching

(backend/tests/test_outfit_wardrobe_integration.py)

- Test outfit suggestion from wardrobe item includes matching items
- Test suite for outfit suggestions with wardrobe matching

TestOutfitWardrobeIntegration.test_suggest_outfit_handles_empty_wardrobe

(backend/tests/test_outfit_wardrobe_integration.py)

- Test outfit suggestion works with empty wardrobe
- Test suite for outfit suggestions with wardrobe matching

TestOutfitWardrobeIntegration.test_suggest_outfit_response_format

(backend/tests/test_outfit_wardrobe_integration.py)

- Test that outfit suggestion response has correct format
- Test suite for outfit suggestions with wardrobe matching

TestOutfitWardrobeIntegration.test_suggest_outfit_with_wardrobe_matching

(backend/tests/test_outfit_wardrobe_integration.py)

- Test outfit suggestion includes matching wardrobe items
- Test suite for outfit suggestions with wardrobe matching

Backend — Wardrobe API (24)

TestWardrobeEndpoints.test_add_wardrobe_item_missing_fields (backend/tests/test_wardrobe_endpoints.py)

- Test adding wardrobe item with missing required fields
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_add_wardrobe_item_success (backend/tests/test_wardrobe_endpoints.py)

- Test successfully adding a wardrobe item
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_add_wardrobe_item_unauthorized (backend/tests/test_wardrobe_endpoints.py)

- Test adding wardrobe item without authentication
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_analyze_wardrobe_image_missing_image

(backend/tests/test_wardrobe_endpoints.py)

- Test analyzing wardrobe image without image file
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_analyze_wardrobe_image_success (backend/tests/test_wardrobe_endpoints.py)

- Test analyzing wardrobe image
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_analyze_wardrobe_image_unauthorized

(backend/tests/test_wardrobe_endpoints.py)

- Test analyzing wardrobe image without authentication
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_check_wardrobe_duplicate_success

(backend/tests/test_wardrobe_endpoints.py)

- Test checking wardrobe duplicate
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_check_wardrobe_duplicate_unauthorized

(backend/tests/test_wardrobe_endpoints.py)

- Test checking wardrobe duplicate without authentication
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_check_wardrobe_duplicate_with_existing

(backend/tests/test_wardrobe_endpoints.py)

- Test checking duplicate with existing wardrobe item
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_delete_wardrobe_item_nonexistent (backend/tests/test_wardrobe_endpoints.py)

- Test deleting non-existent wardrobe item
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_delete_wardrobe_item_success (backend/tests/test_wardrobe_endpoints.py)

- Test successfully deleting a wardrobe item
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_delete_wardrobe_item_unauthorized

(backend/tests/test_wardrobe_endpoints.py)

- Test deleting wardrobe item without authentication
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_get_wardrobe_item_nonexistent (backend/tests/test_wardrobe_endpoints.py)

- Test getting non-existent wardrobe item
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_get_wardrobe_item_other_user (backend/tests/test_wardrobe_endpoints.py)

- Test getting wardrobe item belonging to another user
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_get_wardrobe_item_success (backend/tests/test_wardrobe_endpoints.py)

- Test getting specific wardrobe item
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_get_wardrobe_item_unauthorized (backend/tests/test_wardrobe_endpoints.py)

- Test getting specific wardrobe item without authentication
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_get_wardrobe_success (backend/tests/test_wardrobe_endpoints.py)

- Test getting wardrobe items with paginated response
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_get_wardrobe_summary_success (backend/tests/test_wardrobe_endpoints.py)

- Test getting wardrobe summary
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_get_wardrobe_summary_unauthorized

(backend/tests/test_wardrobe_endpoints.py)

- Test getting wardrobe summary without authentication
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_get_wardrobe_unauthorized (backend/tests/test_wardrobe_endpoints.py)

- Test getting wardrobe without authentication
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_get_wardrobe_with_category_filter (backend/tests/test_wardrobe_endpoints.py)

- Test getting wardrobe items filtered by category
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_update_wardrobe_item_nonexistent

(backend/tests/test_wardrobe_endpoints.py)

- Test updating non-existent wardrobe item
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_update_wardrobe_item_success (backend/tests/test_wardrobe_endpoints.py)

- Test successfully updating a wardrobe item
- Test suite for /api/wardrobe/* endpoints

TestWardrobeEndpoints.test_update_wardrobe_item_unauthorized

(backend/tests/test_wardrobe_endpoints.py)

- Test updating wardrobe item without authentication
- Test suite for /api/wardrobe/* endpoints

Backend — Wardrobe Pagination & Search (18)

TestWardrobePagination.test_get_wardrobe_default_limit (backend/tests/test_wardrobe_pagination_search.py)

- Test that default limit is 10 items
- Test suite for wardrobe pagination

TestWardrobePagination.test_get_wardrobe_limit_max (backend/tests/test_wardrobe_pagination_search.py)

- Test that limit cannot exceed 100
- Test suite for wardrobe pagination

TestWardrobePagination.test_get_wardrobe_offset_beyond_total

(backend/tests/test_wardrobe_pagination_search.py)

- Test offset beyond total items returns empty list
- Test suite for wardrobe pagination

TestWardrobePagination.test_get_wardrobe_pagination_with_category

(backend/tests/test_wardrobe_pagination_search.py)

- Test pagination with category filter
- Test suite for wardrobe pagination

TestWardrobePagination.test_get_wardrobe_with_custom_limit

(backend/tests/test_wardrobe_pagination_search.py)

- Test wardrobe with custom limit
- Test suite for wardrobe pagination

TestWardrobePagination.test_get_wardrobe_with_offset (backend/tests/test_wardrobe_pagination_search.py)

- Test wardrobe with offset
- Test suite for wardrobe pagination

TestWardrobeSearch.test_search_by_category_keyword (backend/tests/test_wardrobe_pagination_search.py)

- Test searching by category keyword (shirt, trouser, etc.)
- Test suite for wardrobe search functionality

TestWardrobeSearch.test_search_by_color (backend/tests/test_wardrobe_pagination_search.py)

- Test searching by color
- Test suite for wardrobe search functionality

TestWardrobeSearch.test_search_by_description (backend/tests/test_wardrobe_pagination_search.py)

- Test searching by description
- Test suite for wardrobe search functionality

TestWardrobeSearch.test_search_case_insensitive (backend/tests/test_wardrobe_pagination_search.py)

- Test that search is case insensitive
- Test suite for wardrobe search functionality

TestWardrobeSearch.test_search_empty_results (backend/tests/test_wardrobe_pagination_search.py)

- Test search that returns no results
- Test suite for wardrobe search functionality

TestWardrobeSearch.test_search_multi_word_and_logic (backend/tests/test_wardrobe_pagination_search.py)

- Test multi-word search with AND logic
- Test suite for wardrobe search functionality

TestWardrobeSearch.test_search_with_category_filter (backend/tests/test_wardrobe_pagination_search.py)

- Test search combined with category filter
- Test suite for wardrobe search functionality

TestWardrobeSearch.test_search_with_pagination (backend/tests/test_wardrobe_pagination_search.py)

- Test search with pagination

- Test suite for wardrobe search functionality

TestWardrobeSummary.test_summary_by_color (backend/tests/test_wardrobe_pagination_search.py)

- Test that summary includes color counts
- Test suite for wardrobe summary with category counts

TestWardrobeSummary.test_summary_category_counts (backend/tests/test_wardrobe_pagination_search.py)

- Test that summary returns correct category counts
- Test suite for wardrobe summary with category counts

TestWardrobeSummary.test_summary_category_normalization

(backend/tests/test_wardrobe_pagination_search.py)

- Test that categories are normalized to lowercase in summary
- Test suite for wardrobe summary with category counts

TestWardrobeSummary.test_summary_empty_wardrobe (backend/tests/test_wardrobe_pagination_search.py)

- Test summary with empty wardrobe
- Test suite for wardrobe summary with category counts

Frontend — App (1)

App.test#1 (frontend/src/App.test.tsx)

- Renders AI Outfit Suggestor app
- File: App.test.tsx

Frontend — Wardrobe (integration) (2)

Wardrobe.integration.test#1 (frontend/src/views/components/Wardrobe.integration.test.tsx)

- Loads and renders items from the wardrobe API
- File: Wardrobe.integration.test.tsx

Wardrobe.integration.test#2 (frontend/src/views/components/Wardrobe.integration.test.tsx)

- Shows a user-visible error (not a blank screen) when the wardrobe API fails
- File: Wardrobe.integration.test.tsx

Frontend — Wardrobe (unit) (3)

Wardrobe.test#1 (frontend/src/views/components/Wardrobe.test.tsx)

- Loads the wardrobe page and shows the page header
- File: Wardrobe.test.tsx

Wardrobe.test#2 (frontend/src/views/components/Wardrobe.test.tsx)

- Shows empty list state when there are no wardrobe items
- File: Wardrobe.test.tsx

Wardrobe.test#3 (frontend/src/views/components/Wardrobe.test.tsx)

- Shows wardrobe item list when items exist
- File: Wardrobe.test.tsx