

TEST MATRIX

ADMIN

Admin Dashboard

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Status
ADM_DB_001	View Dashboard Statistics	1. Navigate to /admin/dashboard. 2. Observe the "Stats Grid" cards.	Cards for "Total Report", "Successfully Claimed", "Pending Action", and "Lost/Found Ratio" display numeric values fetched from the API.	Stats cards displayed correct numeric values for "Total Report", "Successfully Claimed", "Pending Action", and "Lost/Found Ratio" from the API.	PASSED
ADM_DB_002	Filter Dashboard Data by Date	1. Navigate to /admin/dashboard. 2. Click the "Report Last" dropdown. 3. Select "7 Days". 4. Select "30 Days".	The charts and statistics update dynamically to reflect data from the selected time range.	Dashboard charts and statistics updated dynamically to reflect data from the selected time range (e.g., 7 Days, 30 Days).	PASSED
ADM_DB_003	View Reports Over Time Chart	1. Navigate to /admin/dashboard. 2. Observe the central chart area.	The app-chart-component renders the "Reports Over Time" graph populated with data from dashboardData.reportsOverTime.	The "Reports Over Time" graph rendered correctly and was populated with data matching the database records.	PASSED
ADM_DB_004	Dashboard Loading State	1. Refresh the dashboard page. 2. Observe the content area while data is fetching.	A "Loading dashboard data..." message or spinner is displayed before the content loads.	A loading spinner/message was displayed while data was being fetched, followed by the dashboard content.	PASSED

Found Items

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Status
ADM_FND_001	View Found Reports List	<ol style="list-style-type: none"> 1. Navigate to the "Found Status Management" page. 2. Scroll through the list. 	A grid of found item reports is displayed. Note: Reports with status "Claimed" should not be visible in this list (filtered out in code).	The grid of found item reports displayed correctly. Reports marked as "Claimed" were successfully filtered out.	PASSED
ADM_FND_002	Search Found Items	<ol style="list-style-type: none"> 1. Enter a valid Item Name or Surrender Code in the search bar. 2. Press Enter or click Search. 	The grid updates to show only reports matching the search query.	The grid updated to show only the reports that matched the entered Item Name or Surrender Code.	PASSED
ADM_FND_003	Filter Found Items by Status	<ol style="list-style-type: none"> 1. Click the "Status" dropdown. 2. Select "Pending". 3. Select "Approved". 4. Select "Rejected". 	The grid updates to show only items matching the selected status.	The grid correctly filtered items to show only those matching the selected status (Pending, Approved, Rejected).	PASSED
ADM_FND_006	View Found Item Details	<ol style="list-style-type: none"> 1. Click on any report card in the grid. 	The app-claim-form-modal opens, displaying detailed information about the selected report.	The app-claim-form-modal opened and displayed the correct details for the selected report.	PASSED
ADM_FND_004	Update Found Item Status	<ol style="list-style-type: none"> 1. Click on a found report card to open app-claim-form-modal. 2. Use the admin controls to change status (e.g., to "Approved" or "Rejected"). 	The AdminController endpoint /report/{id}/status is called. The modal closes, and the grid refreshes to reflect the new status.	The status update API was called, the modal closed, and the grid refreshed to show the new status.	PASSED
ADM_FND_009	Mark Item as Claimed	<ol style="list-style-type: none"> 1. Open a claim form modal. 2. Complete the claim process (set status to "Claimed"). 3. Save/Confirm. 	The item disappears from the current list (as 'Claimed' is filtered out), and a toast appears with a link to "View Archive".	The item was removed from the active list, and a toast appeared providing a link to "View Archive".	PASSED

ADM_FND_010	Infinite Scroll Pagination	1. Scroll to the bottom of the list (ensure enough data exists).	The "Loading more reports..." spinner appears, and new items are appended to the grid.	The loading spinner appeared upon scrolling, and additional reports were appended to the grid successfully.	PASSED
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Lost Items

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Status
ADM_LST_001	View Lost Reports List	1. Navigate to "Manage Lost Item" page.	A grid of lost item reports is displayed sorted by date by default.	A grid of lost item reports was displayed, sorted by date (newest first) by default.	PASSED
ADM_LST_002	Filter Lost Items by Status	1. Click "Status" dropdown. 2. Select "Verified". 3. Select "Pending".	The grid updates to show only items with the selected status.	The grid updated to show only lost items matching the selected status (Verified, Pending).	PASSED
ADM_LST_003	Search Lost Items	1. Enter a specific item name in the search bar.	The list filters to show only items containing the search term.	The list filtered successfully to show only lost items containing the search term.	PASSED
ADM_LST_004	Update Lost Item Status	1. Click on a lost report card to open app-item-detail-modal. 2. Use the admin controls to change status (e.g., to "Approved" or "Rejected").	The AdminController endpoint /report/{id}/status is called. The modal closes, and the grid refreshes to reflect the new status.	The status update API was called, the modal closed, and the grid refreshed to show the new status.	PASSED
ADM_LST_006	View Lost Item Details	1. Click on any report card in the grid.	The app-item-detail-modal opens, displaying detailed information about the selected report.	The app-item-detail-modal opened and displayed the correct details for the selected report.	PASSED
ADM_LST_007	Infinite Scroll Pagination	1. Scroll to the bottom of the list (ensure enough data exists).	The "Loading more reports..." spinner appears, and new items are appended to the grid.	The loading spinner appeared upon scrolling, and additional reports were appended to the grid successfully.	PASSED

Navigation

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Status
ADM_NAV_001	Sidebar Navigation	1. Click "Dashboard" link. 2. Click "Found Status" link. 3. Click "Lost Status" link.	The main content area updates to render the respective page components (AdminDashboardPage, ClaimStatusPage, LostStatusPage).	Clicking "Found Status" and "Lost Status" links successfully rendered the correct page components without errors.	PASSED
ADM_NAV_002	Toggle Archive Menu	1. Click the "Archive" section in the sidebar.	The menu expands to show archive sub-routes (e.g., "Claimed Items").	The "Archive" sidebar section expanded and collapsed correctly to show sub-routes.	PASSED
ADM_NAV_003	Profile Dropdown	1. Click the user profile section in the sidebar header.	A dropdown appears showing the admin's name, email, and options (e.g., Settings, Edit Profile).	The profile dropdown appeared with the correct Admin Name, Email, and menu options.	PASSED
ADM_NAV_004	Logout Functionality	1. Click "Log Out" in the profile dropdown. 2. Click "Log Out" in the confirmation modal.	The user is logged out (tokens cleared) and redirected to the login page (or public landing page).	The session was cleared, cookies were removed, and the admin was redirected to the Login page.	PASSED

Archive Management

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Status
AM_HP_001	View Resolved Items	1. Click "Archive Items" (Toggle dropdown) 2. Click "Resolved Items" 3. View List	Displays history of items where the owner found their lost item (marked as Resolved by user).	Resolved history list loaded correctly.	PASSED
AM_HP_002	View Claimed Items	1. Click "Archive Items" 2. Click "Claimed Items"	Displays history of Found items that were successfully claimed and verified by Admin.	Claimed history list loaded correctly.	PASSED

		3. View List			
AM_H P_003	Search Archive	1. Navigate to Resolved/Claimed 2. Enter keyword in Search Bar 3. Press Enter	List filters to show historical items matching the description.	Search returned 3 "Wallet" records.	PASSED
AM_H P_004	Successful Unarchived	1. Navigate to Claimed items 2. Click an item and click 'Unarchive' 3. Confirm in the modal	A success toast/notification appears: "Item successfully unarchived." Found item and its matched lost report (if there is) are removed from "archived" and reappears in the 'Active' item list.	The system displayed a success toast notification: "Item successfully unarchived." Verified that the Found item and its matched lost report were removed from the "Archived" list and successfully reappeared in the "Active" item list.	PASSED
ADM_ HP_00 5	Infinite Scroll Pagination	1. Scroll to the bottom of the list (ensure enough data exists).	The "Loading more reports..." spinner appears, and new items are appended to the grid.	The loading spinner appeared upon scrolling, and additional reports were appended to the grid successfully.	PASSED
AM_U P_001	View Empty Archive	1. Clear Database (Test Env) 2. Navigate to "Resolved Items"	Displays "No items found" placeholder image/text instead of a broken table.	"No Data" illustration displayed correctly.	PASSED

TEST MATRIX

USER

Authentication

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Status
USR_ATH_001	User Registration (Success)	1. Navigate to /register. 2. Fill in Name, Valid Email, Valid Phone, Password. 3. Submit form.	Backend returns HTTP 201. User is redirected to Login page. Database creates new user record.	Backend returned HTTP 201. User was redirected to Login page and the record was created in the DB.	PASSED
USR_ATH_002	User Registration (Duplicate Email)	1. Navigate to /register. 2. Enter an email that already exists in the DB. 3. Submit form.	Backend returns HTTP 400 "Email already exists". Frontend displays error message.	Backend returned HTTP 400 "Email already exists" and the frontend displayed the error message.	PASSED
USR_ATH_003	User Login (Success)	1. Navigate to /login. 2. Enter valid Email and Password. 3. Click Login.	Backend returns HTTP 200 with UserDTO and sets accessToken & refreshToken cookies. User redirected to Homepage.	Backend returned HTTP 200 with UserDTO; cookies were set, and user was redirected to Homepage.	PASSED
USR_ATH_004	User Logout	1. Click Profile Avatar in Sidebar. 2. Select "Log Out". 3. Confirm in modal.	Backend clears cookies (accessToken, refreshToken). User is redirected to Landing/Login page.	Cookies were cleared, and the user was successfully redirected to the Login page.	PASSED
USR_ATH_005	Change Password	1. Open Settings Modal. 2. Select "Change Password". 3. Enter correct Old Password and valid New Password. 4. Submit.	Backend changePassword service is called. Success message "Password changed successfully" is displayed.	Backend changed the password successfully, and the "Password changed successfully" message was displayed.	PASSED

USR_ATH_006	Delete Account	1. Open Settings Modal. 2. Select "Delete Account". 3. Confirm action.	Backend marks user as deleted/deactivated. User is logged out immediately.	Backend marked the user as deleted, and the user was logged out immediately.	PASSED
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Profile Management

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Status
USR_PROF_001	View Own Profile	1. Navigate to /app/profile.	Profile card displays Name, Email, Phone, and Avatar. "Edit Profile" button is visible.	The user was successfully redirected to the profile page. The profile card displayed the user's Name, Email, Phone number, and Avatar, and the "Edit Profile" button was visible.	PASSED
USR_PROF_002	Update Profile Details	1. Click "Edit Profile". 2. Change Name or Phone Number. 3. Upload a new Profile Picture. 4. Save.	updateUser API is called. Page refreshes to show updated details and new avatar.	The user successfully updated their profile details. The updateUser API was triggered, and the profile page refreshed to display the updated Name/Phone number along with the new profile picture.	PASSED
USR_PROF_003	View Own Reports (Filter)	1. On Profile Page, click "Found" tab. 2. Click "Lost" tab. 3. Filter by Status (e.g., "Pending").	Grid updates to show only items reported by the user matching the selected type/status.	The reports grid updated correctly to display only the user's reports based on the selected type and status filter (e.g., Lost/Found, Pending).	PASSED

USR_P ROF_0 04	View Reference Code	1. On a reported item card, click the "View Reference Code" button.	CodesModal opens displaying the surrender_code for found items.	Clicking the "View Reference Code" successfully opened the Codes modal displaying the correct surrender code for found items.	PASSED
ADM_P ROF_0 05	Infinite Scroll Pagination	1. Scroll to the bottom of the list (ensure enough data exists).	The "Loading more reports..." spinner appears, and new items are appended to the grid.	The loading spinner appeared upon scrolling, and additional reports were appended to the grid successfully.	PASSED

Reporting Items

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Status
USR_R PT_001	Report Lost Item	1. Navigate to "Report Lost Item". 2. Fill Item Name, Location, Date, Description. 3. Upload Image. 4. Submit.	1. Backend creates a report entry with type="lost". 2. A "Lost Item Submitted!" success modal appears. 3. Modal must display options to "View My Report" and "Search Found Items".	The report was created with type="lost" and the "Lost Item Submitted!" modal was displayed with the correct action buttons.	PASSED
USR_R PT_002	Report Found Item (Generate Code)	1. Navigate to "Report Found Item". 2. Fill required fields. 3. Submit.	Backend creates report with type="found". Crucial: A modal appears showing the surrender_code for the user to label the item.	The report was created with type="found" and the modal displaying the surrender_code appeared.	PASSED

USR_R PT_003	Edit Report (Pending Status)	1. Go to Profile. 2. Select a "Pending" report. 3. Click Edit. 4. Modify details and Save.	Backend updates the report. Changes are reflected in the list.	The report details were updated successfully in the backend and reflected in the list.	PASSED
USR_R PT_004	Edit Report (Restricted)	1. Attempt to edit a report with status "Approved" or "Claimed" (via API or if UI allows).	Backend ReportController returns HTTP 403. Edit is rejected because only pending reports can be modified.	API returned HTTP 403 Forbidden when attempting to edit an "Approved" or "Claimed" report.	PASSED
USR_R PT_005	Delete Report	1. Go to Profile. 2. Click Delete icon on a report. 3. Confirm.	ReportController.deleteReport is called. Item is removed from the list.	The report was successfully deleted from the backend and removed from the list UI.	PASSED
USR_R PT_006	Infinite Scroll Pagination	1. Scroll to the bottom of the list (ensure enough data exists).	The "Loading more reports..." spinner appears, and new items are appended to the grid.	The loading spinner appeared upon scrolling, and additional reports were appended to the grid successfully.	PASSED

User Feed

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Status
USR_F EED_001	View Lost Items Feed	1. Navigate to /app/lost-items.	Displays a grid of reported lost items. Toggle is set to "Unresolved Items" by default.	A grid of "Unresolved" lost items was displayed by default.	PASSED
USR_F EED_002	Search Items	1. Enter keyword in Search Bar (e.g., "Fan"). 2. Press Enter.	List filters to show items with matching item_name or location.	The list filtered correctly to show items matching the keyword "Fan".	PASSED
USR_F EED_003	Filter by Location	1. Open Filter panel. 2. Select a specific location (e.g., "Main Building").	List updates to show items only from that location.	The list updated to show only items reported at "Main Building".	PASSED

USR_F EED_0 04	Toggle Resolved/Claimed	1. Click "Resolved Items" (or "Claimed Items") toggle button.	List updates to show items with status matched (for lost) or claimed (for found).	The list updated to show only Resolved/Claimed items when the toggle was activated.	PASSED
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Found Item

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Status
USR_F ND_00 1	Claim a Found Item (Generate Ticket)	1. Open details of a "Found" item reported by someone else. 2. Click the Claim Item button.	Reference Code is generated and displayed to the user.	Reference code was generated and displayed.	PASSED
USR_F ND_00 2	View Existing Ticket	1. Open details of an item the user already claimed. 2. Click "View Ticket ID".	The previously generated claim_code is displayed in CodesModal.	The CodesModal opened and displayed the previously generated claim_code correctly.	PASSED
USR_F ND_00 3	View Item Details	1. Click on any item card.	ItemDetailModal opens showing full description, images, location, and date.	ItemDetailModal opened showing the full description, images, and location.	PASSED

Notification

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Status
USR_N OTIF_0 01	Stream Notifications (SSE)	1. Login and stay on any page. 2. Trigger a notification event (e.g., Admin approves a report) via backend test or actual flow.	The Notification bell in sidebar shows a red indicator/count update in real-time via streamNotifications endpoint.	The notification bell showed a red indicator and the count updated in real-time when an event triggered.	PASSED
USR_N OTIF_0 02	View Notification List	1. Click Notification bell/icon.	List of notifications is displayed (sorted by newest).	The notification list was displayed	PASSED

		2. Navigate to /app/notifications.		correctly, sorted by newest first.	
USR_N OTIF_0 03	Mark as Read	1. Click on an "Unread" notification in the list.	Visual indicator (unread dot) disappears. Backend markAsRead endpoint is triggered.	The unread dot disappeared, and the markAsRead endpoint was triggered successfully.	PASSED