

Test Identifier	Test Summary	Test Description	Precondition	Test Steps	Expected Result	Actual Results	UI / API	Status	Tester	Defect ID
UI/TC01	Verify "Add Category" button visibility	Check that the "Add Category" button is displayed for Admin users	1. The User is logged in as Admin 2. Admin is on "/ui/categories"	1. Observe the top section of the Category page	<ul style="list-style-type: none"> The "Add Category" button is visible 		UI	Not Executed	Manoj 214211R	
UI/TC02	Verify "Add Category" Page Navigation	Check that clicking "Add A Category" redirects to the correct URL	1. The User is logged in as Admin 2. Admin is on "/ui/categories"	1. Click the "Add A Category" button	<ul style="list-style-type: none"> System redirects to "/ui/categories/add" 		UI	Not Executed	Manoj 214211R	
UI/TC03	Verify Creating a Main Category	Check that a valid main category (no parent) can be created	1. The User is logged in as Admin 2. Admin is on "/ui/categories"	1. Enter "Fruits" in "Category Name" 2. Leave "Parent Category" empty 3. Click "Save"	<ul style="list-style-type: none"> System redirects to the list; "Fruits" appears in the category table Show "Category created successfully" message 		UI	Not Executed	Manoj 214211R	
UI/TC04	Verify Creating a Sub-Category	Check that a category can be linked to a parent category	1. Adminis on "/ui/categories/add" 2. "Fruits" category exists	1. Enter "Apple" in "Category Name" 2. Select "Fruits" from "Parent Category" 3. Click "Save"	<ul style="list-style-type: none"> "Apple" is saved and linked to "Fruits" 		UI	Not Executed	Manoj 214211R	
UI/TC05	Verify Pagination Functionality	Confirm that the category list supports pagination	1. Admin is on "/ui/categories" with >10 categories existing	1. Scroll to bottom of list 2. Click "Next" or page number "2"	<ul style="list-style-type: none"> The list refreshes to show the next set of category records 		UI	Not Executed	Manoj 214211R	
UI/TC06	Verify Default Pagination State	Confirm the initial state of pagination controls when the page first loads	1. User/Admin is logged in 2. User is on "/ui/categories" 3. 20+ categories exist	1. Observe the pagination controls at the bottom of the table 2. Check the "Previous" button status 3. Check which page number is highlighted	<ul style="list-style-type: none"> "1" is highlighted/active. The "Previous" button is disabled (greyed out). The "Next" button is enabled 		UI	Not Executed	Manoj 214211R	
UI/TC07	Verify "Next" Button Navigation	Confirm clicking "Next" loads the second page of data	1. User/Admin is on Page 1 of "/ui/categories" 2. 10+ categories exist	1. Click the "Next" button	<ul style="list-style-type: none"> The table refreshes with new data. The active page indicator changes to "2" The "Previous" button becomes enabled 		UI	Not Executed	Manoj 214211R	
UI/TC08	Verify "Previous" Button Navigation	Confirm clicking "Previous" returns to the first page	1. User/Admin is on Page 2 of "/ui/categories"	1. Click the "Previous" button	<ul style="list-style-type: none"> The table refreshes to show the original data The active page indicator returns to "1" 		UI	Not Executed	Manoj 214211R	

UI/TC09	Verify Row Count Per Page	Confirm the UI displays the correct number of rows per page (e.g., 10 rows)	1. User/Admin is on "/ui/categories"	1. Count the number of category rows displayed in the table on "1"	<ul style="list-style-type: none"> The count matches the system default (e.g., exactly 10 rows) 		UI	Not Executed	Manoj 214211R	
UI/TC10	Verify Last Page State	Confirm "Next" is disabled when reaching the final page	1. User/Admin is on the last page of categories	1. Observe the "Next" button	<ul style="list-style-type: none"> The "Next" button is disabled (greyed out) or hidden 		UI	Not Executed	Manoj 214211R	
UI/TC11	Verify "Add Category" Button Hidden	Confirm "Add Category" button is NOT visible to Users	1. The User is logged in as User 2. User is on "/ui/categories"	1. Scan top action area of the page	<ul style="list-style-type: none"> The "Add Category" button is NOT present 		UI	Not Executed	Manoj 214211R	
UI/TC12	Verify Search by Name	Confirm user can search categories by name	1. User is on "/ui/categories" 2. "Fruits" category exists	1. Enter "Fruits" in search bar 2. Click Search	<ul style="list-style-type: none"> List updates to display only the "Fruits" category 		UI	Not Executed	Manoj 214211R	
UI/TC13	Verify Filter by Parent	Confirm user can filter list by parent category	1. User is on "/ui/categories"	1. Select a parent from the "Parent Category" filter dropdown 2. Click Search	<ul style="list-style-type: none"> List updates to show only children of the selected parent 		UI	Not Executed	Manoj 214211R	
UI/TC14	Verify Edit Action Hidden for Non admin User	Confirm Edit option are disabled/hidden for non admin user	1. User is on "/ui/categories"	1. Inspect the "Actions" column of the category table	<ul style="list-style-type: none"> Edit icon are either hidden or visually disabled 		UI	Not Executed	Manoj 214211R	
UI/TC15	Verify Delete Action Hidden for Non admin User	Confirm Delete option are disabled/hidden for non admin user	1. User is on "/ui/categories"	1. Inspect the "Actions" column of the category table	<ul style="list-style-type: none"> Delete icon are either hidden or visually disabled 		UI	Not Executed	Manoj 214211R	
API/TC16	Verify Create Main Category API	Check that a valid main category can be created via API	1. Admin has valid JWT token 2. Endpoint: "api /categories"	1. Send POST request with body: {"name": "API_Main", "parent": null}	<ul style="list-style-type: none"> Status Code: 201 Created Response contains "name": "API_Main" 		API	Not Executed	Manoj 214211R	

API/TC17	Verify Create Sub-Category API	Check that a category can be linked to a parent via API	1. Admin has valid JWT Token 2. Parent "Fruits" exists	1. Send POST request with body: {"name": "API_Sub", "parent": "Fruits"} • Status Code: 201 Created • Response confirms parent linkage		API	Not Executed	Manoj 214211R	
API/TC18	Verify Get Category By ID	Check that an Admin can retrieve a single category details using its ID	1. Admin has valid JWT Token 2. Category ID 1 exists	1. Send GET request to: "/api/categories/1" • Status Code: 200 OK • Response contains correct id and name for that category		API	Not Executed	Manoj 214211R	
API/TC19	Verify Create Validation: Empty Name	Check that API prevents creating a category with an empty name	1. Admin has valid JWT Token 2. Endpoint: "/api/categories"	1. Send POST request with body: {"name": "", "parent": null} • Status Code: 400 Bad Request • Error message: "Category name is required"		API	Not Executed	Manoj 214211R	
API/TC20	Verify Create Validation: Name Too Long	Check that API prevents creating a category with a name exceeding 10 characters	1. Admin has valid JWT Token 2. Endpoint: "/api/categories"	1. Send POST request with body: {"name": "SuperMarket", "parent": null} • Status Code: 400 Bad Request • Error message: "Category name must be between 3 and 10 characters"		API	Not Executed	Manoj 214211R	
API/TC21	Verify Basic Pagination	Check that API returns the correct number of records per page	1. Admin/User has valid Token 2. 10+ Categories exist	1. Send GET request: "/api/categories/page?page=0&size=5" • Status Code: 200 OK • Response contains exactly 5 category records		API	Not Executed	Manoj 214211R	
API/TC22	Verify Search by Name	Check that API filters results by the name parameter	1. Admin/User has valid Token 2. Category "Anthurium" exists	1. Send GET request: "/api/categories/page?name=Anthurium" • Status Code: 200 OK • Response list contains only categories matching "Anthurium"		API	Not Executed	Manoj 214211R	
API/TC23	Verify Filter by Parent ID	Check that API filters results by parentId	1. Admin/User has valid Token 2. Parent ID 5 exists with children	1. Send GET request: "/api/categories/page?parentId=5" • Status Code: 200 OK • All returned items have parent or parentId associated with ID 5		API	Not Executed	Manoj 214211R	
API/TC24	Verify Sorting by Name (ASC)	Check that sortField and sortDir order the list alphabetically	1. Admin/User has valid Token	1. Send GET request: "/api/categories/page?sortField=name&sortDir=asc" • Status Code: 200 OK • Response list is sorted A-Z by name		API	Not Executed	Manoj 214211R	

API/TC25	Verify Sorting by Name (DESC)	Check that sortDir=desc reverses the order	1. Admin/User has valid Token	1. Send GET request: "/api/categories/page?sortField=name&sortDir=desc"	<ul style="list-style-type: none"> • Status Code: 200 OK • Response list is sorted Z-A by name 		API	Not Executed	Manoj 214211R	
API/TC26	Verify Combined Search & Sort	Check that filtering and sorting work simultaneously	1. Admin/User has valid Token	1. Send GET request: "/api/categories/page?name=a&sortField=name&sortDir=asc"	<ul style="list-style-type: none"> • Status Code: 200 OK • Results contain "a" AND are sorted A-Z 		API	Not Executed	Manoj 214211R	
API/TC27	Verify Invalid Page Index	Check API behavior when page is negative	1. Admin/User has valid Token	1. Send GET request: "/api/categories/page?page=-1&size=5"	<ul style="list-style-type: none"> • Status Code: 400 Bad Request • Error message regarding invalid page index 		API	Not Executed	Manoj 214211R	
API/TC28	Verify Unauthorized Access	Check API security when token is missing	1. No Authorization Header provided	1. Send GET request: "/api/categories/page?page=0&size=10"	<ul style="list-style-type: none"> • Status Code: 401 Unauthorized • Response message indicates authentication failure 		API	Not Executed	Manoj 214211R	
API/TC29	Verify Empty Search Result	Check API behavior when no matches found	1. Admin/User has valid Token	1. Send GET request: "/api/categories/page?name=NonExistent123"	<ul style="list-style-type: none"> • Status Code: 200 OK • Response body is an empty list (or valid empty page object) 		API	Not Executed	Manoj 214211R	
API/TC30	Verify Invalid Sort Field	Check API behavior when sorting by a non-existent field	1. Admin/User has valid Token	1. Send GET request: "/api/categories/page?sortField=xyz"	<ul style="list-style-type: none"> • Status Code: 400 Bad Request or 200 OK (Ignore sort) • (Depends on implementation, usually 400 or fallback to default sort) 		API	Not Executed	Manoj 214211R	