Fish R US – Use Case Documents

# Use Case 1 Search & Browse Products

**Objective**Allow customers to search or browse available products (fish and supplies).

**Business Event**Customer wants to explore or find specific products.

**Primary Actor(s)**Customer

**Secondary Actor(s)**Employee (in-store help)

**Pre-condition**User is on the homepage or product page.  
Product catalog is populated.

**Post-condition**User sees a list of products matching the filters or keywords.

**Failure outcomes**System shows “No matching products found” or “Error retrieving product list.”

Flow of Events

|  |  |
| --- | --- |
| Actor | System |
| User visits homepage (home.php) or product page (products.php). | System loads available products from the database. |
| User enters a search term or filter criteria. | System queries product database. |
| User clicks on “Search.” | Display list of matching products with name, price, and type. |
| User browses result list. | System paginates and displays product grid or list view. |

# Use Case 2 Place Order

**Objective**Allow customers to place an order for selected products.

**Business Event**Customer proceeds to checkout and confirms purchase.

**Primary Actor(s)**Customer

**Secondary Actor(s)**Employee (POS checkout), Payment System

**Pre-condition**User is logged in.  
Cart contains at least one product.

**Post-condition**Order and order lines are saved. Inventory is updated.

**Failure outcomes**System shows “Payment failed” or “Item out of stock.”

Flow of Events

|  |  |
| --- | --- |
| Actor | System |
| User clicks checkout on cart page (checkout.php). | Display order summary. |
| User enters shipping and payment info. | Validate form inputs. |
| User clicks “Place Order.” | Process payment. Insert into Order and OrderLine tables. Update Inventory. Redirect to confirmation page. |
| User sees order confirmation (order-confirmation.php). | Show order number and receipt. |

# Use Case 3 User Management (Register/Login)

**Objective**Allow users to register or log in to the system securely.

**Business Event**User signs up or logs in.

**Primary Actor(s)**Customer, Employee, Admin

**Secondary Actor(s)**None

**Pre-condition**User accesses login.php or register.php.

**Post-condition**User is logged in or registered, with a session active.

**Failure outcomes**System shows "Invalid credentials" or "Account already exists."

Flow of Events

|  |  |
| --- | --- |
| Actor | System |
| User visits login or register page. | Load login.php or register.php. |
| User submits form with credentials or registration info. | Validate data. If login, check password. If registration, insert new Account and Customer/Employee record. |
| User is redirected to home.php or dashboard. | Create session token and set role-based access. |

# Use Case 4 Manage Orders

**Objective**Allow employees to update order status and view customer orders.

**Business Event**Employee updates shipping or cancels an order.

**Primary Actor(s)**Employee

**Secondary Actor(s)**Admin

**Pre-condition**User must be logged in as Employee or Admin.

**Post-condition**Order record is updated.

**Failure outcomes**System shows “Failed to update order” or invalid order ID error.

Flow of Events

|  |  |
| --- | --- |
| Actor | System |
| Employee navigates to order-list.php. | Load list of recent orders. |
| User selects an order to view/edit. | Show order-detail.php with status, items, and totals. |
| User changes status and clicks “Update.” | Update Order table. Confirm with success message. |
| Employee returns to order list. | Order list reflects new status. |

# Use Case 5 Manage Inventory

**Objective**Allow staff to add, update, or view inventory items for their store.

**Business Event**Employee receives or audits inventory.

**Primary Actor(s)**Employee

**Secondary Actor(s)**Admin

**Pre-condition**Employee is logged in and assigned to a store.

**Post-condition**Inventory record is inserted or updated.

**Failure outcomes**System shows “Invalid quantity” or “Product not found.”

Flow of Events

|  |  |
| --- | --- |
| Actor | System |
| User goes to inventory-list.php. | System displays current store inventory. |
| User clicks “Add Inventory” or edits existing row. | Show add-inventory.php or edit-inventory.php form. |
| User enters product, vendor, quantity, date. | Insert or update record in Inventory table. |
| User is redirected to inventory list. | Updated row is shown in list with confirmation. |

# Use Case 6 Manage Employees

**Objective**Allow admin to manage employee records.

**Business Event**Admin adds or updates an employee account.

**Primary Actor(s)**Admin

**Secondary Actor(s)**None

**Pre-condition**Admin is logged in.

**Post-condition**New employee is added or existing record updated.

**Failure outcomes**System shows “Duplicate record” or “Missing fields.”

Flow of Events

|  |  |
| --- | --- |
| Actor | System |
| Admin navigates to employee-list.php. | Display all employees. |
| Admin clicks “Add Employee.” | Show add-employee.php form. |
| Admin enters employee details and submits. | Insert into Employee and optionally Account table. |
| Admin returns to employee list. | Updated list reflects changes. |

# Use Case 7 Manage Vendor

**Objective**Allow admin to manage vendor records and associated products.

**Business Event**Admin adds or updates vendor info.

**Primary Actor(s)**Admin

**Secondary Actor(s)**None

**Pre-condition**Admin is logged in.

**Post-condition**Vendor record is updated; ProductVendor links adjusted.

**Failure outcomes**System shows “Unable to update vendor.”

Flow of Events

|  |  |
| --- | --- |
| Actor | System |
| Admin goes to vendor-list.php. | Display current vendors. |
| Admin selects or adds a vendor. | Show vendor-form.php. |
| Admin enters name, address, and links products. | Insert or update `Vendor` and `ProductVendor`. |
| Admin returns to list with confirmation. | Vendor appears with updated info. |

# Use Case 8 View Register / Dashboard

**Objective**Allow admin to view KPIs, sales summaries, and inventory alerts.

**Business Event**Admin checks metrics for decision-making.

**Primary Actor(s)**Admin

**Secondary Actor(s)**None

**Pre-condition**Admin is logged in.

**Post-condition**System displays current business metrics.

**Failure outcomes**System shows “Unable to load data.”

Flow of Events

|  |  |
| --- | --- |
| Actor | System |
| Admin clicks “Dashboard” in the menu. | Load dashboard.php with real-time KPIs. |
| Admin clicks into a specific widget (e.g., top-selling products). | Load detailed report page (e.g., top-products.php). |
| Admin uses filters and downloads data. | System applies filters and allows CSV export. |