

## Use Case

Name: Add new purchase into system (common case)

Steps:

Actor	System
<p>1. Login as customer</p> <p>Main screen:</p> <p>Username <input type="text"/></p> <p>Password <input type="password"/></p> <p><input type="button" value="Login"/></p> <p><input type="button" value="Logout"/></p>	<p>Display customer ui</p> <p><input type="button" value="Make purchase"/> <input type="button" value="View Purchase History"/> <input type="button" value="View Purchase History"/> <input type="button" value="Cancel Purchase"/> <input type="button" value="Search Product"/></p>
<p>2. Click make purchase</p> <p><input type="button" value="Make purchase"/> <input type="button" value="View Purchase History"/> <input type="button" value="View Purchase History"/> <input type="button" value="Cancel Purchase"/> <input type="button" value="Search Product"/></p>	<p>Display add purchase ui</p> <p><input type="button" value="Load"/> <input type="button" value="Save"/></p> <p>PurchaseID <input type="text"/></p> <p>CustomerID <input type="text"/></p> <p>ProductID <input type="text"/></p> <p>Price <input type="text"/></p> <p>Quantity <input type="text"/></p> <p>Cost <input type="text"/></p> <p>Tax <input type="text"/></p> <p>Total <input type="text"/></p>
<p>3. Add info, click save</p>	<p>Display "Product saved successfully"</p>

	<input type="button" value="Load"/>	<input type="button" value="Save"/>	
PurchaseID	<input type="text" value="1"/>		<div>Product Saved Successfully!</div>
CustomerID	<input type="text" value="1"/>		
ProductID	<input type="text" value="1"/>		
Price	<input type="text" value="1"/>		
Quantity	<input type="text" value="1"/>		
Cost	<input type="text" value="1"/>		
Tax	<input type="text" value="0.09"/>		
Total	<input type="text" value="1.09"/>		

Name: Add new purchase into system (exception)

Steps:

Actor	System
<p>4. Login as customer</p> <p>Main screen:</p> <p>Username <input type="text"/></p> <p>Password <input type="text"/></p> <p><input type="button" value="Login"/></p> <p><input type="button" value="Logout"/></p>	<p>Display customer ui</p> <div><input type="button" value="Make purchase"/><input type="button" value="View Purchase History"/><input type="button" value="View Purchase History"/><input type="button" value="Cancel Purchase"/><input type="button" value="Search Product"/></div>

<p>5. Click make purchase</p> <div> <span>Make purchase</span> <span>View Purchase History</span> <span>View Purchase History</span> <span>Cancel Purchase</span> <span>Search Product</span> </div>	<p>Display add purchase ui</p> <div> <span>Load</span> <span>Save</span> </div> <div> PurchaserID <input type="text"/>  CustomerID <input type="text"/>  ProductID <input type="text"/>  Price <input type="text"/>  Quantity <input type="text"/>  Cost <input type="text"/>  Tax <input type="text"/>  Total <input type="text"/> </div>
<p>6. Add incorrect info, click save</p> <div> <span>Load</span> <span>Save</span> </div> <div> PurchaserID <input type="text"/>  CustomerID <input type="text" value="1"/>  ProductID <input type="text"/>  Price <input type="text" value="1"/>  Quantity <input type="text" value="1"/>  Cost <input type="text" value="1"/>  Tax <input type="text" value="0.09"/>  Total <input type="text" value="1.09"/> </div>	<p>Display "Product not saved successfully"</p> <div> Product Not Saved Successfully! </div>

Name: Add new customer to system (common case)

Steps:

Actor	System
<p>7. Login as manager</p> <p>Main screen:</p>	<p>Display manager ui</p> <div> <span>Manage Products</span> <span>Manage Customers</span> </div>

<p>Username <input type="text"/></p> <p>Password <input type="password"/></p> <p><input type="button" value="Login"/></p> <p><input type="button" value="Logout"/></p>	
<p>8. Click manage Customers</p> <p><input type="button" value="Manage Products"/> <input type="button" value="Manage Customers"/></p>	<p>Display manage customer ui</p> <p><input type="button" value="Load"/> <input type="button" value="Save"/></p> <p>CustomerID <input type="text"/></p> <p>Name <input type="text"/></p> <p>Phone <input type="text"/></p> <p>Address <input type="text"/></p>
<p>9. Add info, click save</p> <p><input type="button" value="Load"/> <input type="button" value="Save"/></p> <p>CustomerID <input type="text" value="6"/></p> <p>Name <input type="text" value="Bill"/></p> <p>Phone <input type="text" value="3347778787"/></p> <p>Address <input type="text" value="1 Main St"/></p>	<p>Display "Customer saved successfully"</p> <div style="border: 1px solid black; padding: 10px; background-color: #e0f0ff;"> <p>Customer Saved Successfully!</p> </div>

Name: Add new customer to system (exception)

Steps:

Actor	System
<p>10. Login as manager</p> <p>Main screen:</p> <p>Username <input type="text"/></p> <p>Password <input type="password"/></p> <p><input type="button" value="Login"/></p> <p><input type="button" value="Logout"/></p>	<p>Display manager ui</p> <p><input type="button" value="Manage Products"/> <input type="button" value="Manage Customers"/></p>
<p>11. Click manage Customers</p> <p><input type="button" value="Manage Products"/> <input type="button" value="Manage Customers"/></p>	<p>Display manage customer ui</p> <p><input type="button" value="Load"/> <input type="button" value="Save"/></p> <p>CustomerID <input type="text"/></p> <p>Name <input type="text"/></p> <p>Phone <input type="text"/></p> <p>Address <input type="text"/></p>
<p>12. Add incorrect info, click save</p> <p><input type="button" value="Load"/> <input type="button" value="Save"/></p> <p>CustomerID <input type="text"/></p> <p>Name <input type="text" value="Bill"/></p> <p>Phone <input type="text" value="3347778787"/></p> <p>Address <input type="text" value="1 Main St"/></p>	<p>Display "Customer Not saved successfully"</p> <p><input type="text" value="Customer Not Saved Successfully!"/></p>

Name: Add new Product to system (Common)

Steps:

Actor	System
<p>13. Login as manager</p> <p>Main screen:</p> <p>Username <input type="text"/></p> <p>Password <input type="password"/></p> <p><input type="button" value="Login"/></p> <p><input type="button" value="Logout"/></p>	<p>Display manager ui</p> <p><input type="button" value="Manage Products"/> <input type="button" value="Manage Customers"/></p>
<p>14. Click manage Products</p> <p><input type="button" value="Manage Products"/> <input type="button" value="Manage Customers"/></p>	<p>Display manage products ui</p>

	<div>Load Save</div> <div>ProductID</div> <div>Name</div> <div>Price</div> <div>Quantity</div>
<div>15. Add info, click save</div> <div>Load Save</div> <div>ProductID</div> <div>4</div> <div>Name</div> <div>Oranges</div> <div>Price</div> <div>2</div> <div>Quantity</div> <div>4</div>	<div>Display "Product saved successfully"</div> <div>Product Saved Successfully!</div>

Name: Add new purchase to system (Exception)  
Steps:

Actor	System
<div>16. Login as manager</div> <div>Main screen:</div>	<div>Display manager ui</div> <div>Manage Products</div> <div>Manage Customers</div>

<div><div><div>Username</div><div></div></div><div><div>Password</div><div></div></div><div><div>Login</div><div>Logout</div></div></div>	
<div>17. Click manage Products</div> <div><div>Manage Products</div><div>Manage Customers</div></div>	<div>Display manage products ui</div> <div><div>Load</div><div>Save</div></div> <div><div>ProductID</div><div></div></div> <div><div>Name</div><div></div></div> <div><div>Price</div><div></div></div> <div><div>Quantity</div><div></div></div>
<div>18. Add incorrect info, click save</div> <div><div>Load</div><div>Save</div></div> <div><div>ProductID</div><div></div></div> <div><div>Name</div><div>Oranges</div></div> <div><div>Price</div><div>2</div></div> <div><div>Quantity</div><div>4</div></div>	<div>Display "Product Not saved successfully"</div> <div><div>Product Not Saved Successfully!</div></div>