ONLINE DEPARTMENT STORE

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Agenda

➢ **What – Why – How**

➢ **Design**

➢ **Implemented functionalities**

➢ **Data Flow Diagram**

➢ **Tech stack**

➢ **Conclusion**

PROBLEM STATEMENT

MYRetail departmental store requires a system to be able to manage its inventory.

REQUIREMENT

Inventory Module

Responsible for managing the inventory items of the store.

SOLUTION PROPOSED

❖ Inventory list

User should be able to view the list of items present in inventory

❖ Add item

User should be able to add a new item

❖ Edit item

User should be able to edit an existing item

SCREEN 1
INVENTORY LIST

Inventory List

Name: [   ]   Clear Searches   Search

Code	Name	Qty	Unit Price(Rs)	Actions
A001	Corn Flakes	-1.0	-1.0	Edit
A002	Dettol	50.0	60.0	Edit
A003	Cheese	23.0	40.0	Edit
A004	Milk	67.0	17.0	Edit
A005	Corn	6.0	20.0	Edit
dfgdfgdf	dfgdf	0.0	0.0	Edit
dfgdfgdf	dfgdf	0.0	0.0	Edit
A006	corn	15.0	77.9	Edit
A009	corn	15.0	77.0	Edit

Add

Inventory list screen

Implemented functionalities:

➢ **In this screen we have buttons named ADD, EDIT, SEARCH, CLEAR.**

➢ **On clicking ADD button, user is directed to "Add item" page**

   in which user can add an item.

➢ **On clicking EDIT button, user is directed to "Edit item" page**

   in which user can edit price & quantity of existing item.

➢ **When user searches list items by name, on clicking on SEARCH button**

   that particular item is displayed on the screen.

➢ **On clicking CLEAR button, it resets the data in name field.**

Add inventory screen

Implemented functionalities:

➢ **When user clicks on ADD button in screen 1, user will be redirected to this screen.**

➢ **In this screen user can add a new inventory item**

➢ **The fields are mandatory and quantity & unit price takes only numeric values.**

➢ **After entering data, when user clicks on submit button, user will be redirected to**

   screen 1 with updated item.

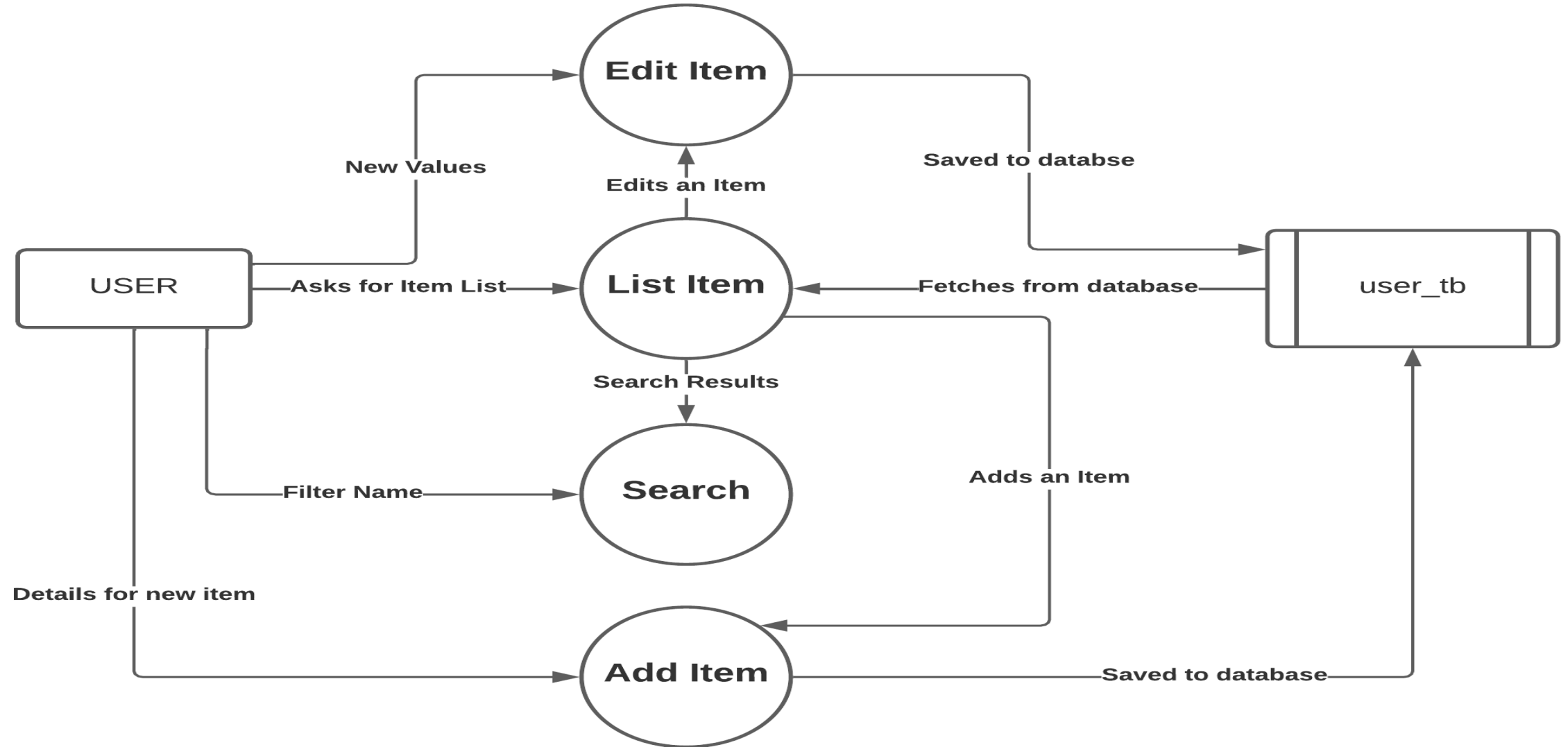➢ **User can click on clear button to erase the field values.**

Edit inventory screen

Implemented functionalities:

➢ **When user clicks on Edit button in screen 1, user will be redirected to this screen with prepopulated values of the respective item.**

➢ **In this screen, user can edit Quantity & Unit Price only.**

➢ **After entering the changes, on clicking on submit button, user will be redirected to screen 1 with updated values of the item in the list.**

Data Flow Diagram

Tech stack

❑ Presentation: HTML 5, JSP, JavaScript(ES 6)

❑ Styling: CSS 3 & Bootstrap 4.0

❑ Business Layer: Hibernate(5.4.16), Servlets, Core Java 8

❑ Backend: MySQL

CONCLUSION

What we have learnt:

- ✓ How to implement a maven project and integrate functionalities

- ✓ Project & Time management

- ✓ Problem Solving

- ✓ Collaboration

Thank you