

IT 6L - FUNDAMENTALS OF DATABASE SYSTEM (6219)

PROPOSAL: REQUIREMENTS FOR Balutan Inventory Management System

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1. EXECUTIVE SUMMARY

This section provides general information of the Balutan Inventory Management System for the target industry and specific users and describes the features/functions of the proposed system indicating the transactions being automated.

Our proposed project aims to help minor and major business holders especially those who are just starting their business. The target industry of this project is a food industry and the specific user for this project are the owners of the said business. The system of this project will be able to handle basic fundamentals of mathematical calculation and also will be able to perform error handling methods. Some of the features of this project are login form, CRUD operation, database and storage capabilities. The main purpose of this project is to avoid data losses and also to help the user to manage their products an easy way.

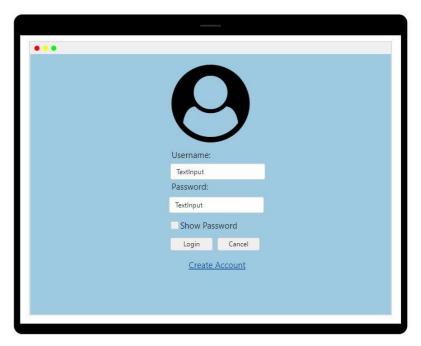
2. DEVELOPMENT TEAM

The following individuals comprised the software development team. They are responsible for the analysis and development of the Balutan Inventory Management System.

Role	Tasks Assigned and Modules	Name		
Team Leader/Programmer/ Database Designer/System Analyst	Manages and provide support to project team. Develop the User Login form and Main Solution template. Develop User and Audit Logs form design. Develop Product form design. Design and analyze database. Analyze the flow of the Inventory Management System.	Jumilla, Jeb C.		
Project Manager/UI Designer	Manages and provide support to project team. Collects data from the target industries and users. Develop prototypes for the proposed system. Designs the main template.	Bacus, Lyle John M.		

3. Prototypes

3.1. User Login Form

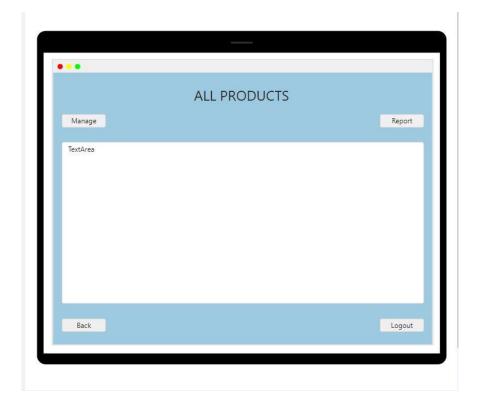


3.2. Main Form

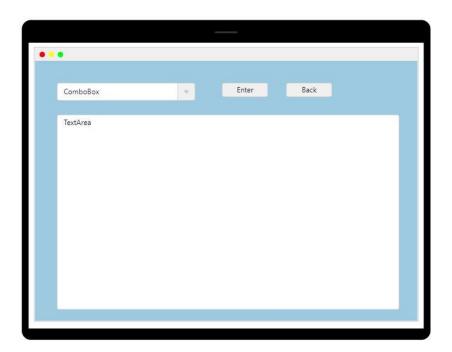


3.3. Manage Product

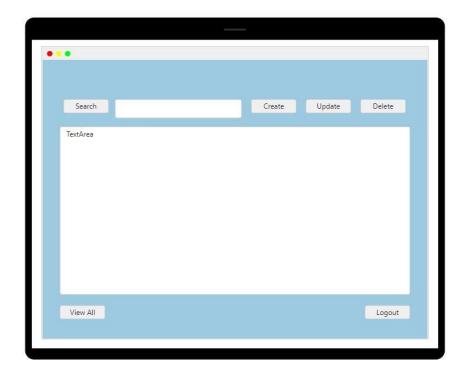
3.3.1. Products



3.3.2. Report



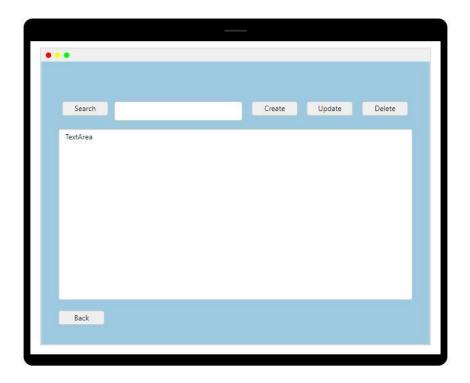
3.3.3. Manage Data

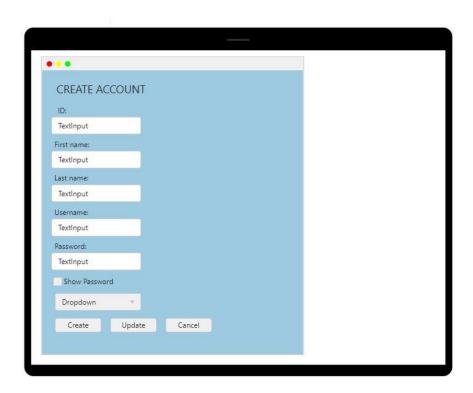


3.3.4. Insert and Update Data



3.4 Manage User





3.4. User_Mod

3.5 Prod_Mod

4. Database Design

This section presents the data dictionary (table structure) design of the proposed system.

Table name: user_tbl

Field Name	Data Type	Is Unique?	Is Auto Inc?	Is PK?	Is FK?	Ref Table	Comments
user_id	Integer		Yes	Yes			
username	Text	Yes					Username cannot be change as it is unique.
password	Text						Password can be hidden and shown in the system.
fname	Text						
Iname	Text						
usertype_id	Integer				Yes	usertype_tbl	

Table name: usertype_tbl

Field Name	Data Type	Is Unique?	Is Auto Inc?	Is PK?	Is FK?	Ref Table	Comments
usertype_id	Integer		Yes	Yes			
type	Text						Admin and Warehouse User are the only available types.

Table name: product_tbl

Table Haller							
Field Name	Data Type	Is Unique?	Is Auto Inc?	Is PK?	Is FK?	Ref Table	Comments
product_id	Integer		Yes	Yes			
pname	Text						
des	Text						Product description.
sku	Text	Yes					Cannot be change as it is unique.
price	Double						
cost	Double						
category	Text						
type	Text						
status	Text						Which are the 2 types (Admin and Warehouse User).
user_id	Integer				Yes	user_tbl	

5. ERD

This section presents the overall ERD design of the proposed system.

