

Requirement traceability matrix for Fair price public distribution system

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1 .Business Requirement Document

This document is provided by Client with high level business Requirements. For fair price public distribution system

The requirements are listed below :

- **BR_1 Login To System**

It allows the users to login to the system.

- **BR_2 Manage Users**

It allows the admin to add/edit/update/delete customers

- **BR_3 Manage Suppliers**

Allows the admin to add/edit/update/delete Suppliers

- **BR_4 Manage Stock**

Allows the admin to add stock for each supplier.

- **BR_5 Categorize the Customer**

According to the income admin categorize the customer as APL and BPL.

- **BR_6 Allocates food grains**

Allows suppliers to distribute food grains to the consumers ie citizens on the on the basis of their category

- **BR_7 Check Supplier can view the Stock**

Allows the supplier to view the stock.

- **BR_8 Check Customer can view availability of food grain**

Allows the customer to view the availability of food grains.

- **BR_9 Check Customer can view the purchase details**

Allows the customer to view the purchase details

- **Br_9 Logout**

Allows the users to logout from the system

2.Functional Specification Document (FSD) :

This document is prepared by our Technical team which further elaborate business requirements into functional requirements that can be implemented in the software.

Detailed Functional Requirement

- **BR_1 Login to system**

- FR_1.Admin login
- FR_2 Supplier login
- FR_3 Customer login

- **BR_2 Manage users**

- FR_4 Add
- FR_5 Categorize and View
- FR_6 Edit
- FR_7 Delete

- **BR_3 Manage Suppliers**

- FR_8 Add
- FR_9 View
- FR_10 Edit
- FR_11 Delete

- **BR_4 Manage stock**

- FR_12 Allocate food grain stock according to the category and season to suppliers.
- FR_13 Admin can view stock.

- **BR_5 Supplier can view the stock**

- FR_14 Allows the supplier to view the stock.

- **BR_6 Supplier can allocate food grains to the customers**
 - FR_15 Allocate food grain by users ration card number.
- **BR_7 Customer can view the availability of food grain**
 - FR_16 Allows the customer to view the availability of food grain.
- **BR_8 Customer can view the purchase details**
 - FR_17 Allows the customer to view the purchase details
- **BR_9 Logout**
 - FR_18.Admin logout
 - FR_19 Supplier logout
 - FR_20 Customer logout

REQUIREMENT TRACEABILITY MATRIX

Project Name: Fair Price Public Distribution System

Business Requirement Document		Functional Requirement Document			Test Case Document
Business Requirement ID#	Business Requirement/Business Use case	Functional Requirement ID#	Functional Requirement/Functional Use case	Priority	Test case ID
BR_1	Login to system	FR_1	Admin login	High	TC_01 TC_02
		FR_2	Supplier login	High	TC_03 TC_04
		FR_3	Customer login	High	TC_05 TC_06
BR_2	Manage Customers	FR_4	Add	High	TC_07 TC_08 TC_09
		FR_5	View	High	TC_10 TC_11
		FR_6	Edit	High	TC_12 TC_13 TC_14
		FR_7	Delete	High	TC_15
BR_3	Manage Suppliers	FR_8	Add	High	TC_16 TC_17 TC_18 TC_19
		FR_9	View	High	TC_20
		FR_10	Edit	High	TC_21
		FR_11	Delete	High	TC_22
BR_4	Manage stock	FR_12	Allocate food grain according to the category and season for suppliers	High	TC_23 TC_24
		FR_13	Admin can view stock.	High	TC_25
BR_5	Supplier can view the stock	FR_14	Allows the supplier to view the stock.	High	TC_26
BR_6	Supplier can allocate food grains to the customers	FR_15	Allocate food grain by users ration card	High	TC_27

			number		
BR_7	Customer can view the availability of food grain	FR_16	Allows the customer to view the availability of food grain.		TC_28
BR_8	Customer can view the purchase details	FR_17	Allows the customer to view the purchase details		TC_29
BR_8	Logout	FR_18	Admin logout	High	TC_30
		FR_19	Supplier logout	High	TC_31
		FR_20	Customer logout	High	TC_32