



Supply Chain Management

FILE ROUGE PROJECT

SUMMARY

Element 1: Definition of Supply Chain Management (SCM)	2
Concept of Supply Chain Management (SCM):.....	2
Physical Flows:	2
Information Flows:	2
Element 2: Objective	3
Element 3: User Stories	3
Element 4: Functionalities and descriptions of Our SCM	3
Element 5: Technologies	4

Element 1: Definition of Supply Chain Management (SCM)

Supply chain management is the handling of the entire production flow of a good or service starting from the raw components all the way to delivering the final product to the consumer. A company creates a network of suppliers (“links” in the chain) that move the product along from the suppliers of raw materials to those organizations that deal directly with users.

Concept of Supply Chain Management (SCM):

The concept of Supply Chain Management (SCM) is based on two core ideas:

1. The first is that practically every product that reaches an end user represents the cumulative effort of multiple organizations. These organizations are referred to collectively as the supply chain.
2. The second idea is that while supply chains have existed for a long time, most organizations have only paid attention to what was happening within their “four walls.” Few businesses understood, much less managed, the entire chain of activities that ultimately delivered products to the final customer. The result was disjointed and often ineffective supply chains.

The organizations that make up the supply chain are “linked” together through physical flows and information flows.

Physical Flows:

Physical flows involve the transformation, movement, and storage of goods and materials. They are the most visible piece of the supply chain. But just as important are information flows.

Information Flows:

Information flows allow the various supply chain partners to coordinate their long-term plans, and to control the day-to-day flow of goods and materials up and down the supply chain.



Element 2: Objective

Supply Chain Management is a project made for bakery products. This system is used by three user's admin, manufacture, and retailer. They can easily use this system because it is user-friendly. The main purpose of this system is to make the supply system easy.

Element 3: User Stories

Firstly, all the users must log in to the system before entering the system. Admin can access to all the Supply Chain Management system, manufacture and retailer cannot have access to some of the page. The administrator will add to retailer and manufacture. They will add them and give them the username and password. Once they get the username and password they can change the password. Eventually, they can see the orders, invoice, retailer, manufacture, distributor, etc. Moreover, they can add delete and edit all of them. Check for the unique username for every new user.

Element 4: Functionalities and descriptions of Our SCM

- Can search records on various criterias. Such as Supply Chain, Company, Order, Supplier
- Create, read, update and delete (CRUD) application has been implemented on Supply Chain, Customer, Company, Order, Supplier
- Keep the track logs of Customer, Product, Order ect
- Advance search has been implemented on Customer, Product, Order
- Can see all the details of the Supply Chain, Company, Product, Order All the modules Product, Order, Customer, Supplier, Supply Chain are inter related and tightly coupled
- It deals with monitoring the information and transactions of Order.
- All the Customer, Product, Order modules has their unique record ID for fast transactions and searching
- Editing, adding and updating of Records is improved which results in proper resource management of Supply Chain data.

Element 5: Technologies

- Page layout and Design: HTML5
- Design: CSS 3 (BOOTSTRAP)
- Font-end: JavaScript (Ajax)
- Back-end: PHP 8 (LARAVEL)