

A
PROJECT REPORT
ON
"THE EATBIT'S PRODUCTION AND DISTRIBUTION MANAGEMENT"
As a Partial Requirement for the Degree of
BACHELOUR OF COMPUTER APPLICATION
(B.C.A.)

Submitted to



**C.B. PATEL COMPUTER COLLEGE &
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We also like to thank our **Incharge Principal Assistant Prof. Dhananjay Patel** and all the professors who are always ready to give best guidance. They are the individuals who give solutions whenever required.

We would also like to acknowledge all **our friends** and colleagues, team members for their help and encouragement from time to time. The constant support and encouragement of my friend deeply appreciates. The project indeed gave challenging and exhilarating experience in designing and developing the required system.

Finally, we would like to thank **our parents** for their support throughout the project. We owe a special debt to our family & friends for their supports blessing and encouragement for us.

Thanks to all,

Abrar Moh Husen Patel (2019042564)

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1. INTRODUCTION

“Snacks always taste better when they’re in a bowl at a party”

Eatbit's

- ✓ This is a Project work undertaken in context of partial fulfilment of BCA. I tried my best to make the complicated process of Production and Distribution Management as simple as possible using PHP, JavaScript, jQuery, Ajax and CSS.
- ✓ I tried to design the web application in such a way that user may not have any difficulty in using this system & further expansion is possible without much effort.
- ✓ This project is used by Administrator or manager. Administrator & manager can maintain daily updates in the system records. The main aim of the entire activity is to automate the process of day-to-day activities of Product like production activities, Admission of a New Distributor, Delivering orders according to distributor demand, etc.
- ✓ The limited time and resources will restrict us to incorporate, in this project, only the main activities that are performed in a Management but at most care was taken to make the system efficient and user friendly. **“THE EATBIT'S PRODUCTION AND DISTRIBUTION MANAGEMENT”** will be designed to computerized the
- ✓ Following functions that are performed by the system: -
 - INTRODUCTION
 - REGISTRATION
 - PLACE ORDER
 - CHECK ORDER STATUS
 - PRODUCT GALLERY
 - ABOUT US
 - EXIT

2.PROJECT PROFILE

Project Title	Eatbit's
Project Category	Web Application
Duration	3 Months
Team Members	2 Members
Front-End Tool	PHP
Back-End Tool	PhpMyAdmin
Other Technology	JavaScript, jQuery, Ajax, CSS
Browser	Google Chrome
Document Tools	Microsoft Office 2019
Operating System	Windows 7 Windows 11
Internal Project Guide	Dr. Vaishali Dindoliwala
Developed By	Abrar Moh. Husen Patel (2019042564) Dev Bharatbhai Patel (2019042571)
Submitted By	C.B. PATEL COMPUTER COLLEGE & J.N.M PATEL SCIENCE COLLEGE, VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

3. OBJECTIVES

- ✓ The basic objective of **THE EATBIT'S PRODUCTION AND DISTRIBUTION MANAGEMENT** is to generalize and simplify the monthly or day to day activities of products like production activities, Check for New Distributor, Check for an Order, assigning an order according to distributor demand, and finally compute the bill that has to be performed repeatedly on regular basis. To provide efficient, fast, reliable and user-friendly system is the basic motto behind this project are following:
 - No Paper Work Required,
 - Time Efficient,
 - Cost Efficient,
 - Automatic data validation,
 - User friendly environment,
 - Data security and reliability,
 - Fast data insertion & retrieval,
 - Easy performance check.
- ✓ The main objective of the entire activity is to automate the process of day-to-day activities like:
 - Product Details,
 - Production Activities,
 - Raw Materials Details,
 - Purchase Activities,
 - Admission of a New Distributor,
 - Delivering an Order according to Distributor's demand,
 - Generate the Bill Automatically,
 - Production Record, Order Record & Distributor Record.

4. PROJECT CATEGORY

- ✓ The Eatbit's Production and Management System is categorized into the **Web Application**. Means this is developed in the PHP with JavaScript, jQuery, Ajax technology.
- ✓ A web-based application is any program that is accessed over a network connection using HTTP, rather than existing within a device's memory.
- ✓ Web-based applications often run inside a web browser. However, web-based applications also may be client-based, where a small part of the program is downloaded to a user's desktop, but processing is done over the internet on an external server.
- ✓ Web-based applications are also known as web apps.
- ✓ Web Application means this system is host onto the server and manages on the server and 24-hour INTERNET facility is required.
- ✓ The database is stored on the server computer and managed by any computer and any validations or any scripts are executed on the server.
- ✓ Any verifications or any checking is done before sending it to database which is done by the server only.
- ✓ In the web-based application, the workload on servers is slightly greater because they are responsible for the manageability of the system.
- ✓ The development of web-based application is considerable because security is much better than the desktop application.
- ✓ The management of database is much easier than managing single PC means database is also stored on the server so it is the responsibility of server for managing it.

5. ENVIRONMENT DISCRIPTION

5.1 Hardware and Software Requirement

1. Hardware Specification: -

Processor	Dual Core/Intel Core i3/i5
RAM	512 MB
Hard Disk	1 GB
Input Device	Keyboard, Mouse
Output Device	Monitor

2. Software Specification: -

Operating System	Windows X
Front-End	PHP
Back-End	PhpMyAdmin

5.1.1 Development Tools: -

- 1) Visual Studio Code v1.65.2
- 2) Notepad ++ v1.9.2
- 3) Adobe Photoshop CC 2021 (Icons, Product Images).
- 4) MS Word 2019 (Reports, Documentation).

5.1.2 Client Site Tools: -

- 1) Brave, Google Chrome, Internet Explorer, Opera, Mozilla Firefox, etc...
- 2) Internet Connection (Wireless, Broadband, Wi-Fi).

5.1.3 Server Site Tools: -

- 1) Dual Core, Intel Core i5.
- 2) 512 MB or Higher RAM.
- 3) 1 GB or Higher Hard Disk

5.2 Tools/Technology

5.2.1 Core Technology: -

❖ **Front-End Tool: PHP**

✓ **Application Architecture of PHP: -**

The biggest difference between a Java web server and PHP is that PHP doesn't have its own built-in web server. (Well, newer versions do, but it's supposed to be for testing only, it's not a production ready web server.) PHP itself is basically one executable which reads in a source code file of PHP code and interprets/executes the commands written in that file. That's it. That's PHP's architecture in a nutshell.

✓ **Benefits of PHP:** -

1. Easy and Simple to Learn: -

PHP is considered one of the easiest scripting languages. Compared to other web languages, PHP doesn't require a manual or intensive studying. PHP syntax is logical and well-organized. Even command functions are easy to understand, as they tell the developer what function they perform. As a result, web developers find it very easy to create and optimize the application.

2. Extremely Flexible: -

PHP is highly flexible whether it is during an ongoing project or after completing the project. Flexibility in a scripting language is very crucial, as functionality can change anytime during the course of a project. The best part about PHP is the ability to make changes even after starting the project and this saves valuable time.

A developer does not have to write fresh codes or command functions, as changes to the existing codes and functions can be done and used.

3. Easy Integration and Compatibility": -

PHP is compatible with a large majority of operating systems. It can easily run-on different platforms, including UNIX, Solaris, and Linux. As it can be integrated without effort with other technologies, such as Java, existing software does not require re-development. This saves time and money.

4. Efficient Performance: -

Depending on how the web developer codes, PHP has the potential to turn in an efficient language. It is scalable when used for writing codes and can also be used for creating a large number of applications. It is the programming language of choice when a website has several web pages.

5. Cost-Efficient: -

PHP is an open-source web language, hence is completely free. There is no expense involved in purchasing expensive licenses or software. It can work efficiently with different databases, such as MySQL, Apache, and PostgreSQL. The cost of developing a website using PHP is minimal.

6. Gives Web Developer More Control: -

Compared to other programming languages, PHP allows the website developer to have more control. Other programming languages are bogged down by long, complicated scripts, but this isn't true for PHP. A few simple lines of code are sufficient. Furthermore, PHP allows tags, and hence, website developers can add and/or mix HTML tags, making the content extremely dynamic.

Developers don't have to worry about placing codes in the right place when using PHP, as it is written between tags. Hence, functions and codes do not have to be written in any specific order, as long as they are within the tags.

❖ **Back-End Tool: PhpMyAdmin**

PhpMyAdmin is a free software tool written in PHP that is intended to handle the administration of a MySQL or MariaDB database server. You can use phpMyAdmin to perform most administration tasks, including creating a database, running queries, and adding user accounts.

✓ **Benefits of PhpMyAdmin: -**

- phpMyAdmin can run on any server or any OS as it has a web browser.
- We can easily create, delete, and edit the database and can manage all elements using the **graphical interface of phpMyAdmin**, which is much easier than MySQL command-line editor.
- phpMyAdmin helps us to control the user's permission and operate several servers at the same time.
- We can also backup our database and export the data into different formats like XML, CSV, SQL, PDF, OpenDocument Text, Excel, Word, and Spreadsheet, etc.
- We can execute complex SQL statements and queries, create and edit functions, triggers, and events using the graphical interface of phpMyAdmin.

5.2.2 Extra Tools: -

❖ Java Script: -

- ✓ Java script (JS) is an open-source client-side scripting language commonly implemented as part of a web browser in order to create user interfaces and dynamic websites.
- ✓ Java script is prototype scripting language that is dynamic, weakly typed and has first class functions, it uses syntax influenced by the languages C. java script copies many names and naming conventions from java, but the two languages are otherwise unrelated and have very different semantics.
- ✓ Java script was formalized in the ECMA script language standard and is primarily used in the form of client-side java script (as part of a web browser). This enables programmatic access to computational objects within host environment.

❖ jQuery: -

- ✓ jQuery is a multi-browser java script library designed to simplify the client-side scripting of HTML. It was released in January 2006 at Bar Camp NYC by John Resig. It is currently developed by a team of developers led by Dave Methvin. Used by over 55% of the 10000 most visited websites, jquery is most popular java script library in use today.
- ✓ jQuery is free, open-source software, licensed under the MIT license. jQuery's syntax is designed to make it easier to navigate a document, select DOM elements, create animations, handle events, and develop Ajax application; jQuery also provide capabilities for developers to create plug-ins on the top of the java script library. This enables developers to create abstractions for low level interaction and animation, advanced effects and high-level able widgets.

❖ Ajax: -

- ✓ AJAX stands for Asynchronous JavaScript and XML. AJAX is a new technique for creating better, faster, and more interactive web applications with the help of XML, HTML, CSS, and Java Script.
- ✓ Ajax uses XHTML for content, CSS for presentation, along with Document Object Model and JavaScript for dynamic content display.
- ✓ Conventional web applications transmit information to and from the sever using synchronous requests. It means you fill out a form, hit submit, and get directed to a new page with new information from the server.
- ✓ With AJAX, when you hit submit, JavaScript will make a request to the server, interpret the results, and update the current screen. In the purest

sense, the user would never know that anything was even transmitted to the server.

- ✓ XML is commonly used as the format for receiving server data, although any format, including plain text, can be used. AJAX is a web browser technology independent of web server software.
- ✓ A user can continue to use the application while the client program requests information from the server in the background. Intuitive and natural user interaction. Clicking is not required, mouse movement is a sufficient event trigger. Data-driven as opposed to page-driven.

6. ANALYSIS REPORT

6.1 Current System

- ✓ In current system, distributor places an order through phone call and all information related to products are mention on the product book.

❖ Objectives: -

- ✓ In current system our objectives are to serve healthy as well as quality products to the consumer.
- ✓ We always treat our manager, employees, distributors as our family member.
- ✓ It is our duty to deliver the order on time.
- ✓ Give good services to the distributor

❖ Management: -

1) Products:

- ✓ All our products details are mentioned in the product book. The details contain product ingredients, expire time, price, quantity, etc.
- ✓ When an order received, manager checks the availability of product, if product is in stock then manager confirms an order as per received and that particular product stock will be deduced from the available stock by the manager.

2) Raw Materials:

- ✓ Without raw materials there will be no production, therefore the purchases of raw materials are managed and according to raw materials production are done.

3) Production:

- ✓ Regularly manager have to check product's stock, if product is out of stock, then manager have to do its production.
- ✓ Manager checks raw material required to do its production, if raw material exists then the production begins.
- ✓ Particular product production is done per week.

4) Orders:

- ✓ When distributor places an order then manager records its order in the order book and according to order given manager delivers its order.
- ✓ When an is received order, then manager checks the availability of the products and according to order, products will be delivered.

6.2 Disadvantages of Current System

❖ Time Consuming: -

- ✓ If manager have to check products availability, then he/she have to find the product book, after that manager finds the product after that he/she can check it.

❖ Increase work load: -

- ✓ Manager have to check all products stock, raw materials stock every day due to that there is increase in work load.
- ✓ Manager have to manage raw material purchases, product products alone manager can't able to do it.

❖ Increase miscellaneous expenses: -

- ✓ Every products stock, raw materials stocks are mentioned in the books, so due to that manager have to purchase books to record the details of all.
- ✓ Similarly, product production and received orders are mentioned in the books, so there is lots of book's purchases and lots of miscellaneous expenses.

6.3 Requirement Specification

We must understand the distributor and manager of our new system basically the Administrator, manager and distributors uses the new proposed system.

The following requirement are specified for all administrator, manager and distributors respectively.

❖ Visitor (User) Module: -

- ✓ User can view our products and its information from product page.
- ✓ User can register if he/she is interested in becoming our distributor.
- ✓ User can give us feedbacks on products.

❖ Distributor Module: -

- ✓ Distributor can view product information form the product gallery.
- ✓ Distributor can view and change his/her profile information if required.
- ✓ Distributor can place order of various products as per requirement.
- ✓ Distributor can view order status of a particular order.
- ✓ Distributor can cancel the order within 2 minutes of order placed.
- ✓ Distributor can check his/her order history from the order page.
- ✓ Distributor can give us feedbacks on products or on order.

❖ Manager Module: -

- ✓ Manager can view or update his/her profile information if required.
- ✓ Manager can add/update/delete/view raw materials category.
- ✓ Manager can add/update/delete/view raw materials.
- ✓ Manager can add/view production details for particular product.
- ✓ Manager can accept/reject the order received from distributor.
- ✓ According to order products quantity will be deduced from the stock.

- ✓ Manager gives ingredients to every product so that form that info, production happens according to product requirement.
- ✓ Production information can be seen by manager anytime.
- ✓ Orders receive from various distributor can viewed by manager.
- ✓ Manager gives responses to feedbacks received from distributor.
- ✓ Manager can also give feedbacks to administrator if required.

❖ Administrator Module: -

- ✓ Distributor and manager are managed by administrator.
- ✓ Administrator can add/delete/view manager.
- ✓ Admin can accept/reject distributor registration.
- ✓ Products category can be add/update/delete/view by admin.
- ✓ Admin can add/update/delete/view product sub-category.
- ✓ Admin can also add/update/delete/view product information like name, sub-category, category, price, status, etc.
- ✓ Responses given on feedbacks received from user and manager.
- ✓ User module is dynamically created so, admin can change product information, theme, contact us page, about us page, favourite products, top distributor, etc.

6.4 Proposed System

❖ Aims: -

- ✓ The main aim of our proposed system is to reduce work load and increase the popularity of our company.
- ✓ Our goal is to reach maximum customer at the right time to increase sale and profitability of the company.
- ✓ To give best services and provide quality and healthy product.

❖ Management: -

1) Product: -

- ✓ In proposed system products are managed by admin, he/she can add, update or delete the product if required.
- ✓ The stock management is done by manager, to check product stock manager searches for product that manager wants to check.

2) Raw Materials:

- ✓ Without raw materials there will be no production, therefore the purchases of raw materials are managed and the entry is done on the website.

3) Production:

- ✓ Regularly manager checks products stock on the website, if product is out of stock, then the particular product's status change to out of stock.
- ✓ Similarly, manager checks raw materials status required to do its production, if raw material status is in stock then the production will automatically do.
- ✓ Particular product production is done per week.

4) Orders:

- ✓ When distributor places an order then, the order details are stored in the order list, when manager sees the order then delivers the order.

6.5 Advantages of Proposed System

❖ Time Saving: -

- ✓ It reduces paper work to store information related to admin, manager, distributor, product, raw materials, etc.
- ✓ Information can be changed easily and quickly.
- ✓ Distributor can place order on one click.

❖ Quick Response: -

- ✓ Responses are given on the feedback received by the user and the distributor, so that improvement are done on the website.

❖ One Click: -

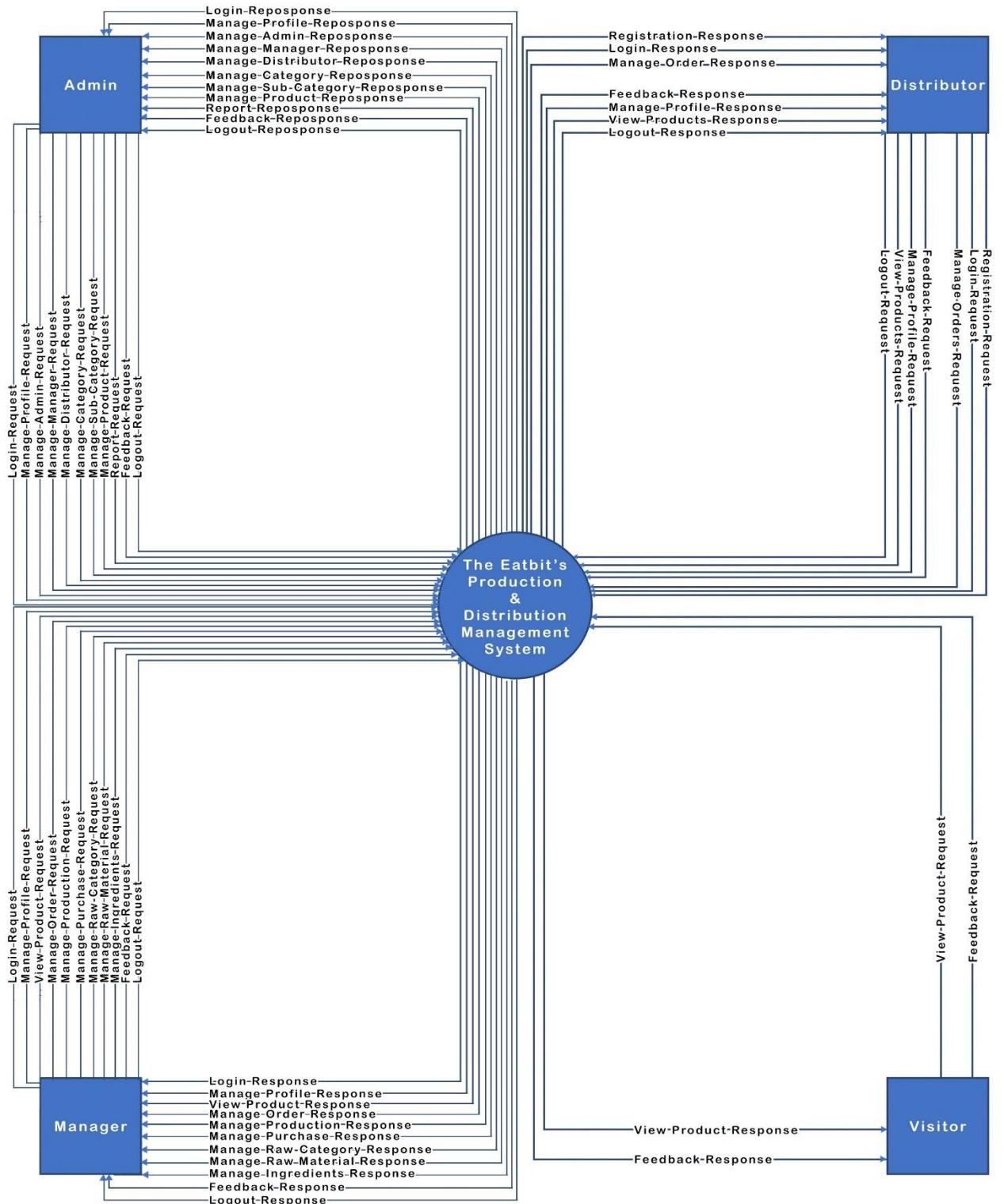
- ✓ Distributor have to select the products that he/she wants then, by one click he/she can place order.
- ✓ It is very easy to place order no need to call the manager to place order, selects the product as wishes.

❖ Proper management: -

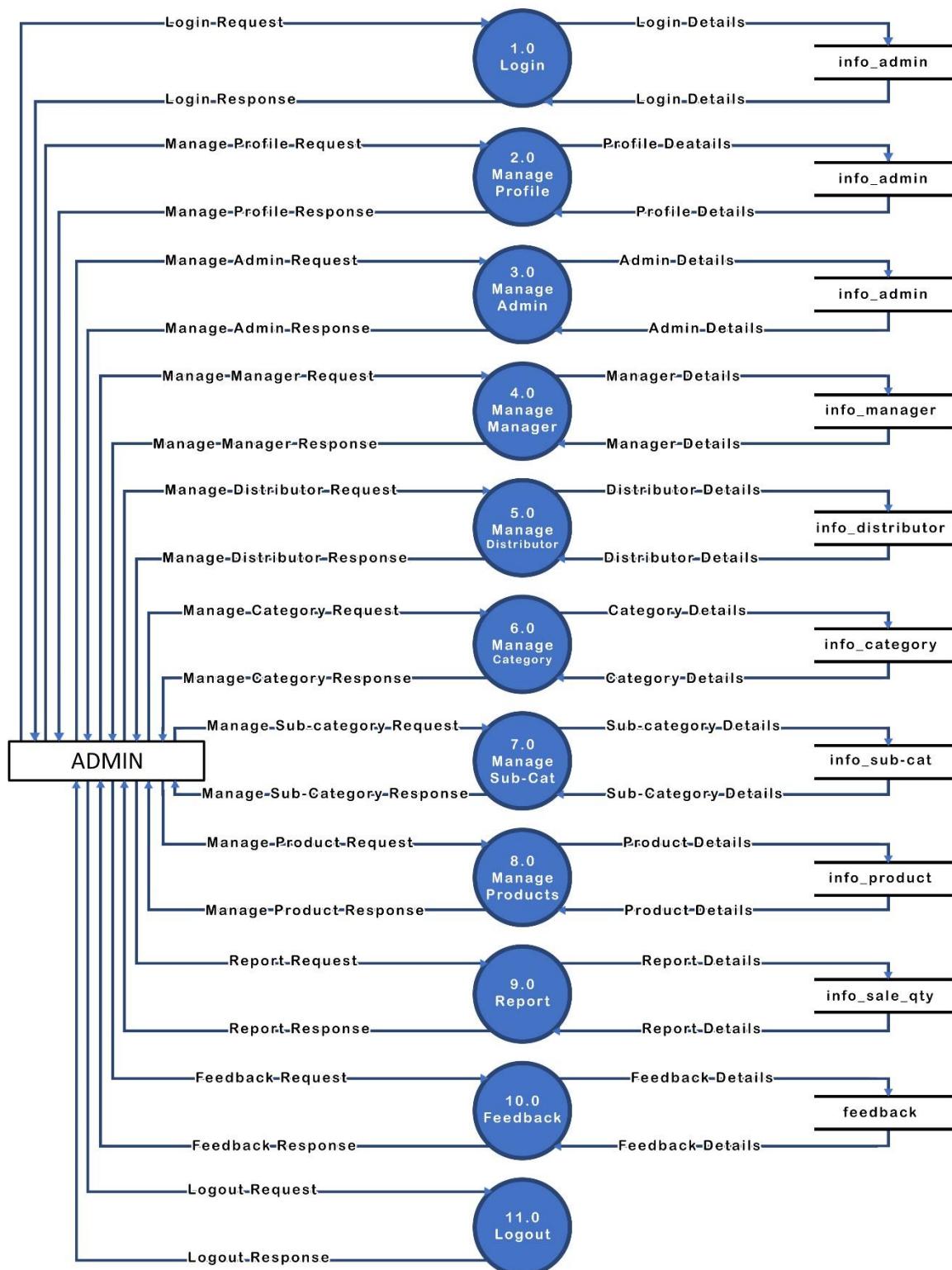
- ✓ The management is done neatly.
- ✓ Every product information is stored securely and can be easily find.
- ✓ Due to proper management distributor can find products easily, manager can check stock, production easily, admin can manage manager and distributor easily.

6.6 Data Flow Diagram

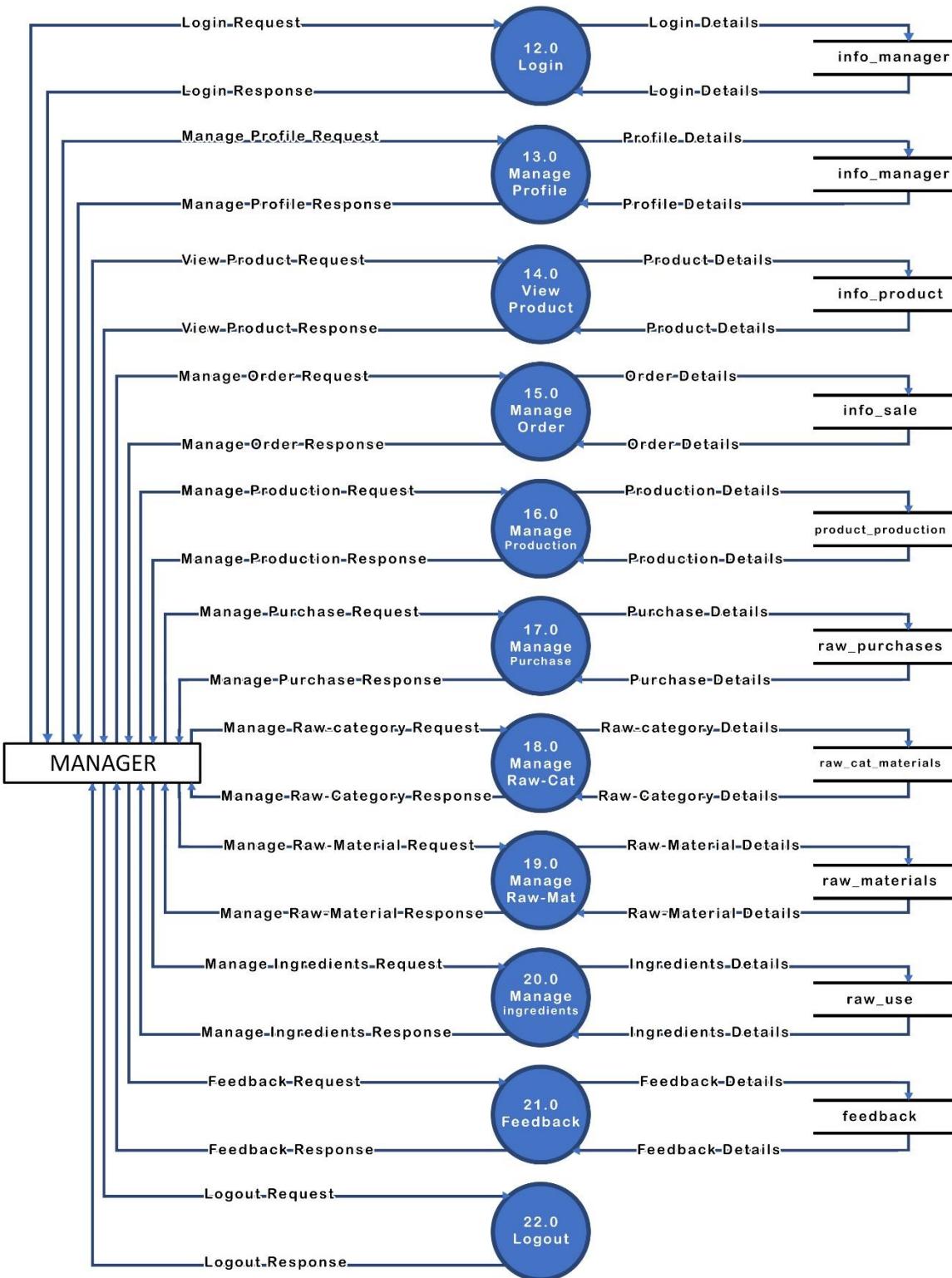
❖ Context Level DFD for The Eatbit's Production and Distribution Management



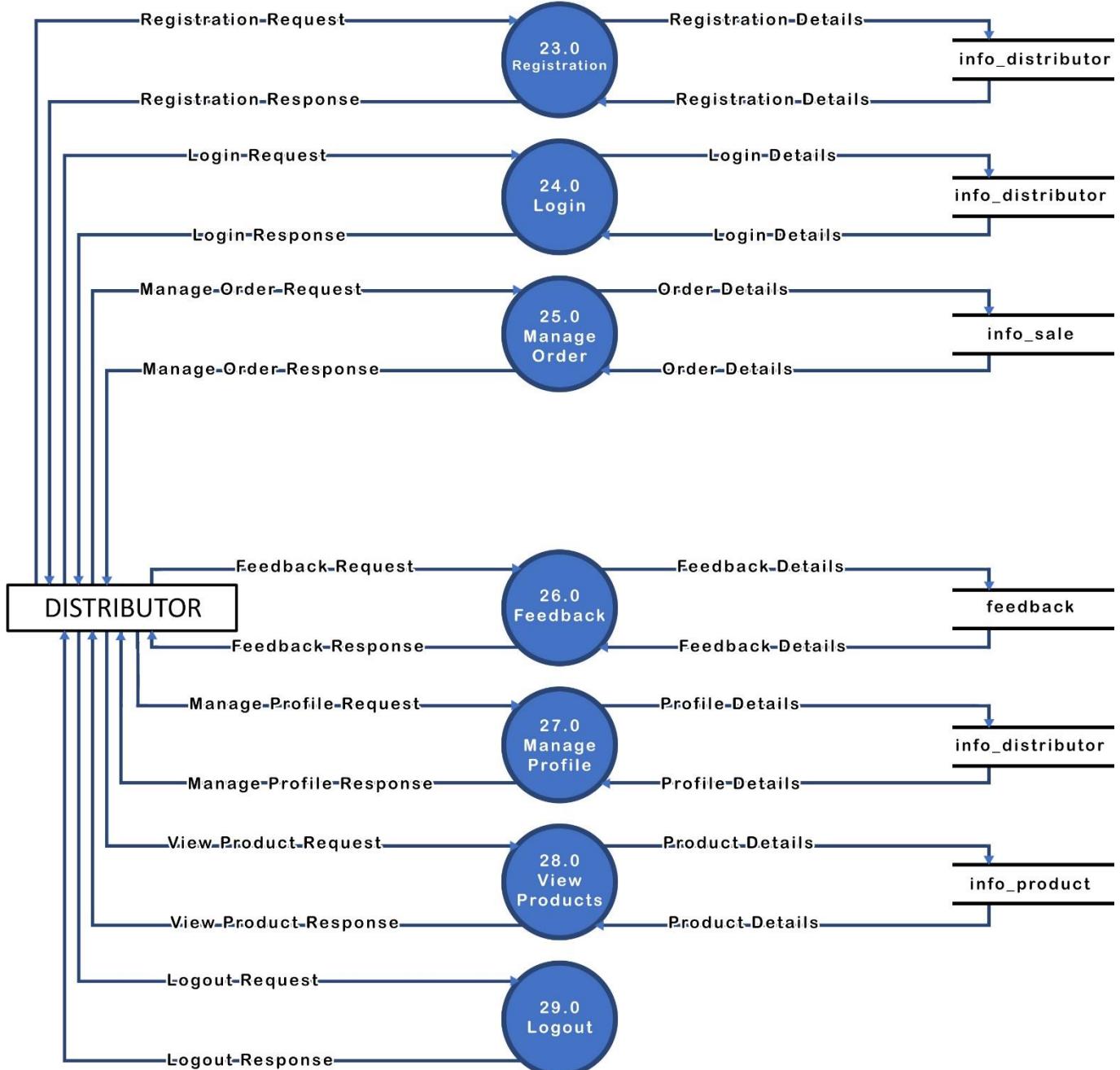
❖ 1st Level DFD for Admin



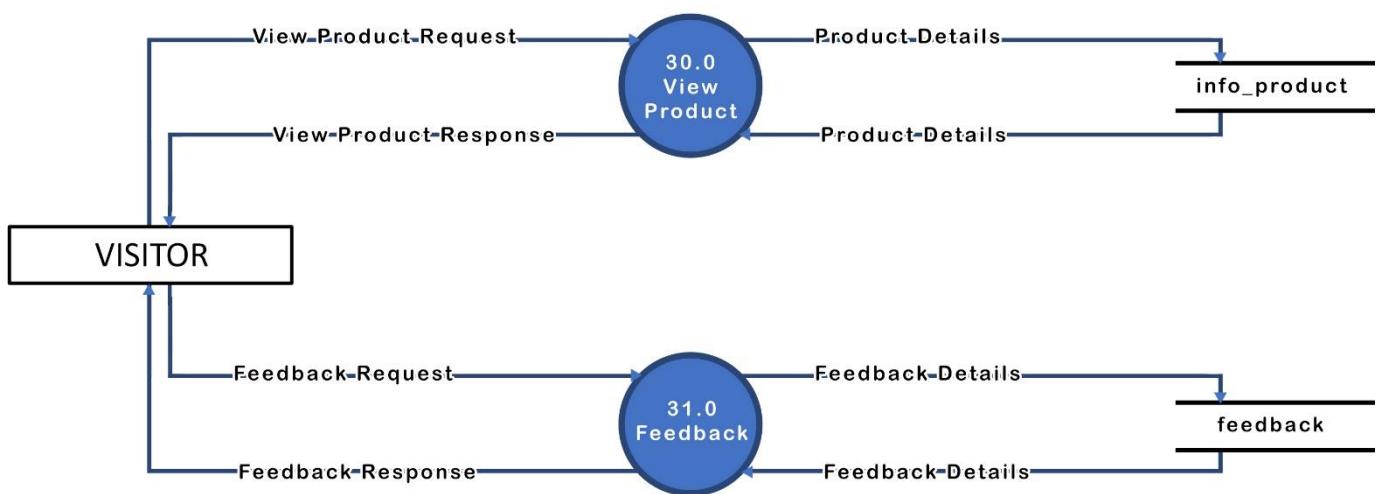
❖ 1st Level DFD for Manager



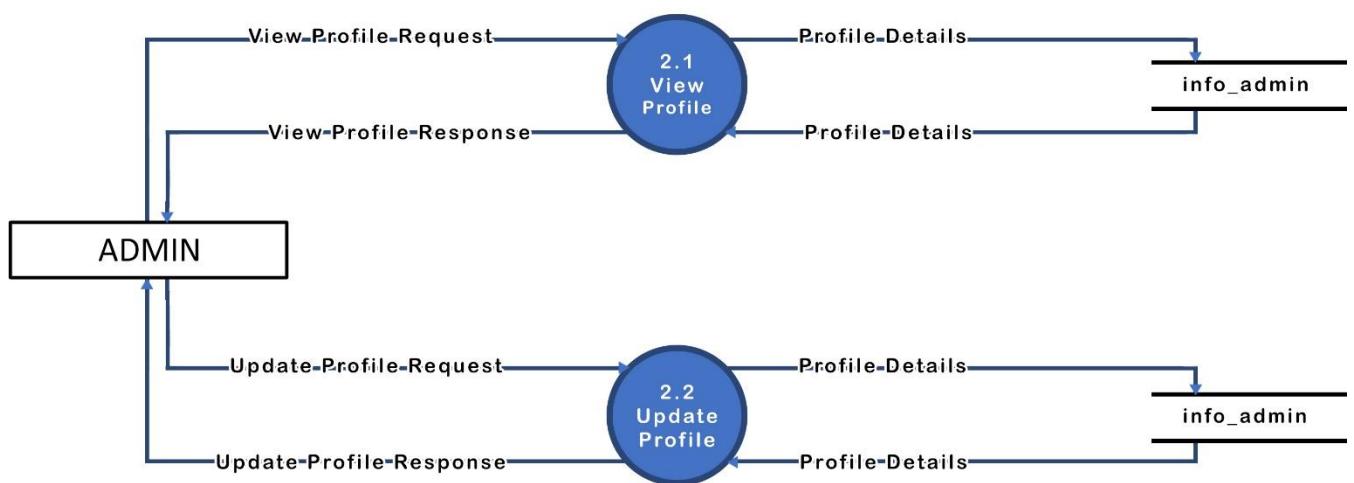
❖ 1st Level DFD for Distributor



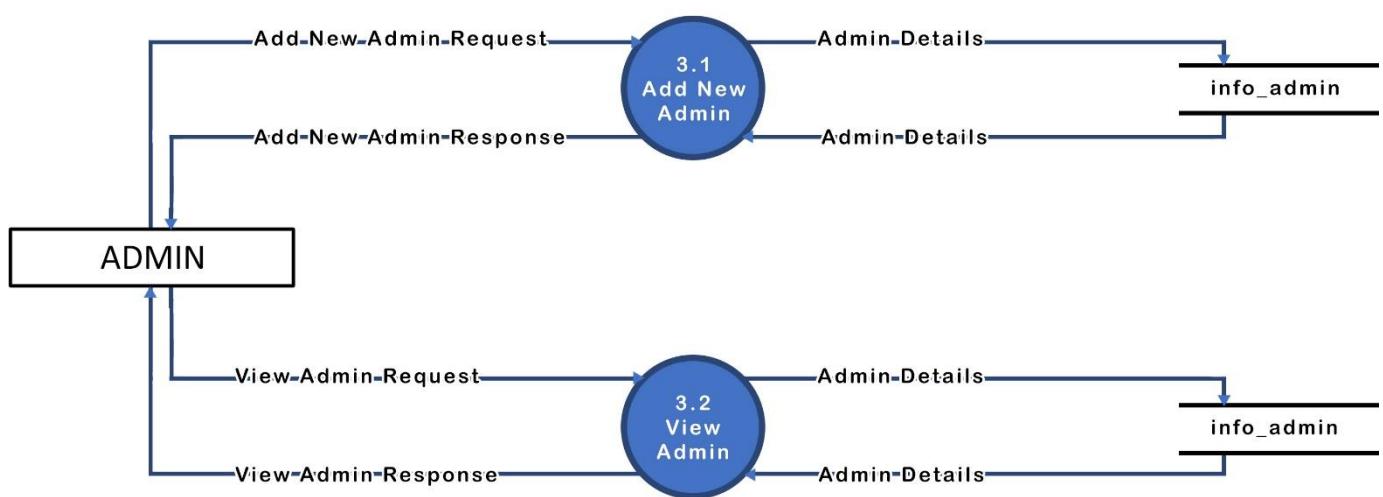
❖ 1st Level DFD of Visitor



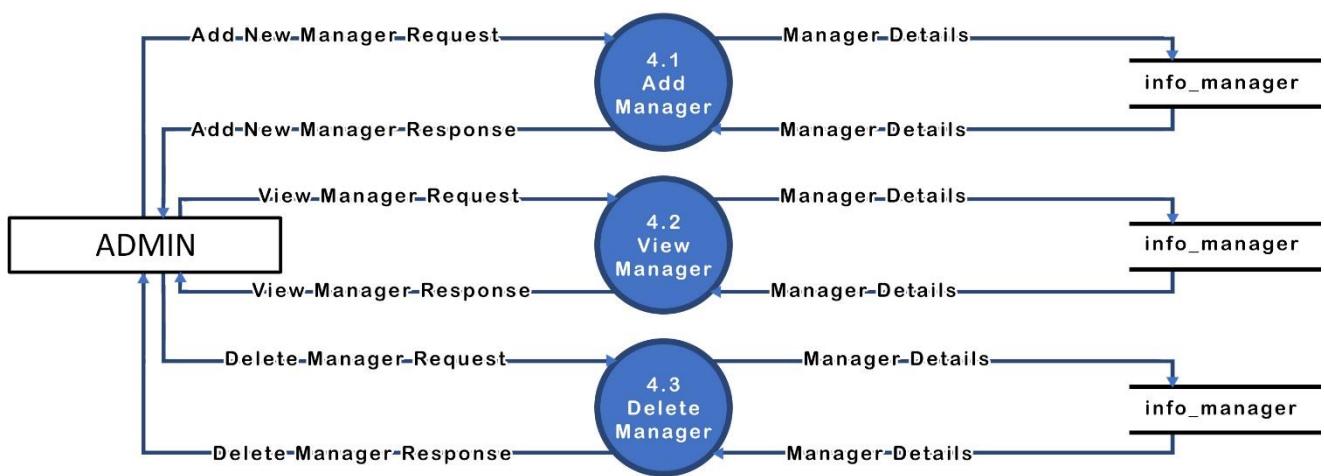
❖ 2nd Level DFD for Process 2.0 Manage Profile (Admin)



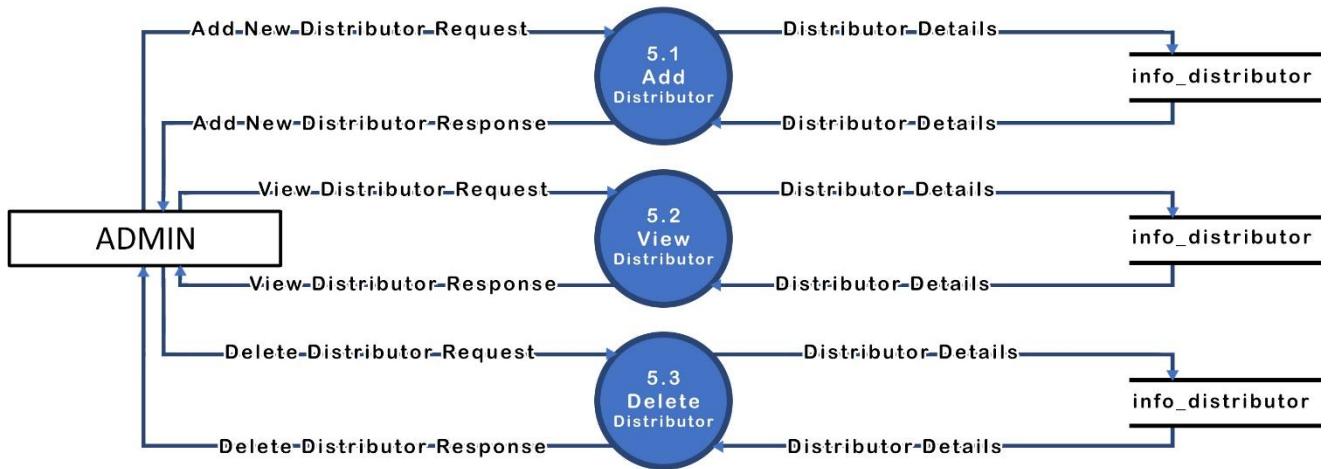
❖ 2nd Level DFD for process 3.0 Manage Admin (Admin)



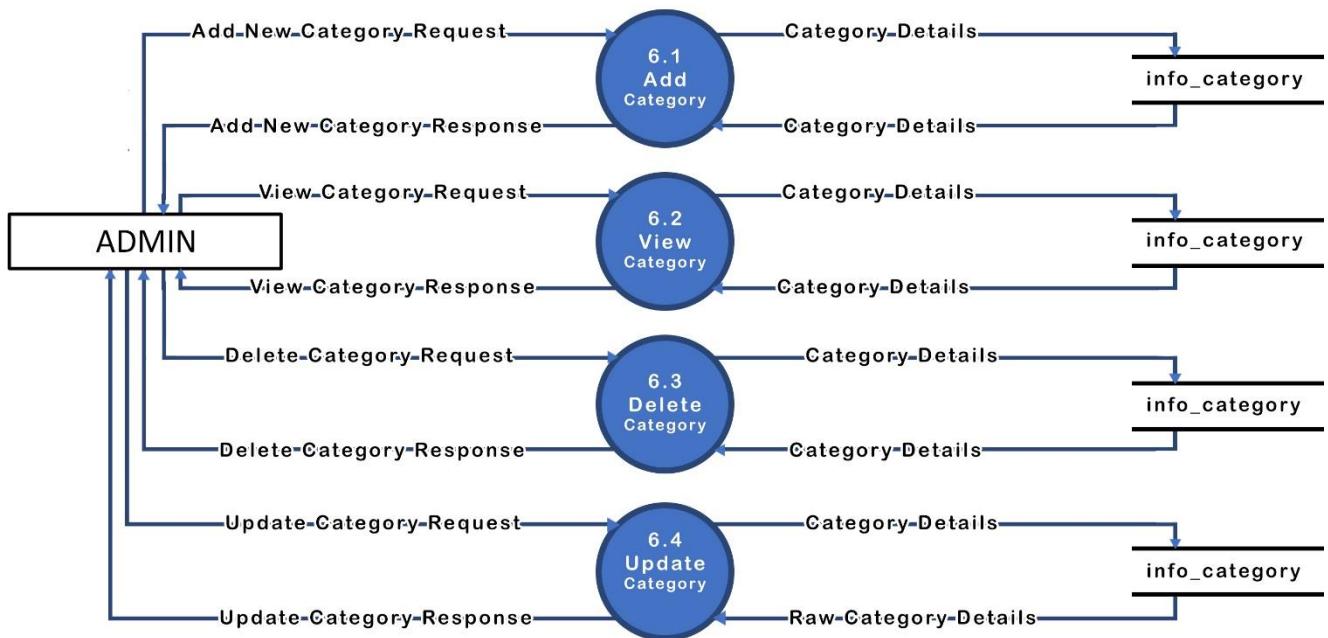
❖ 2nd Level DFD for process 4.0 Manage Manager (Admin)



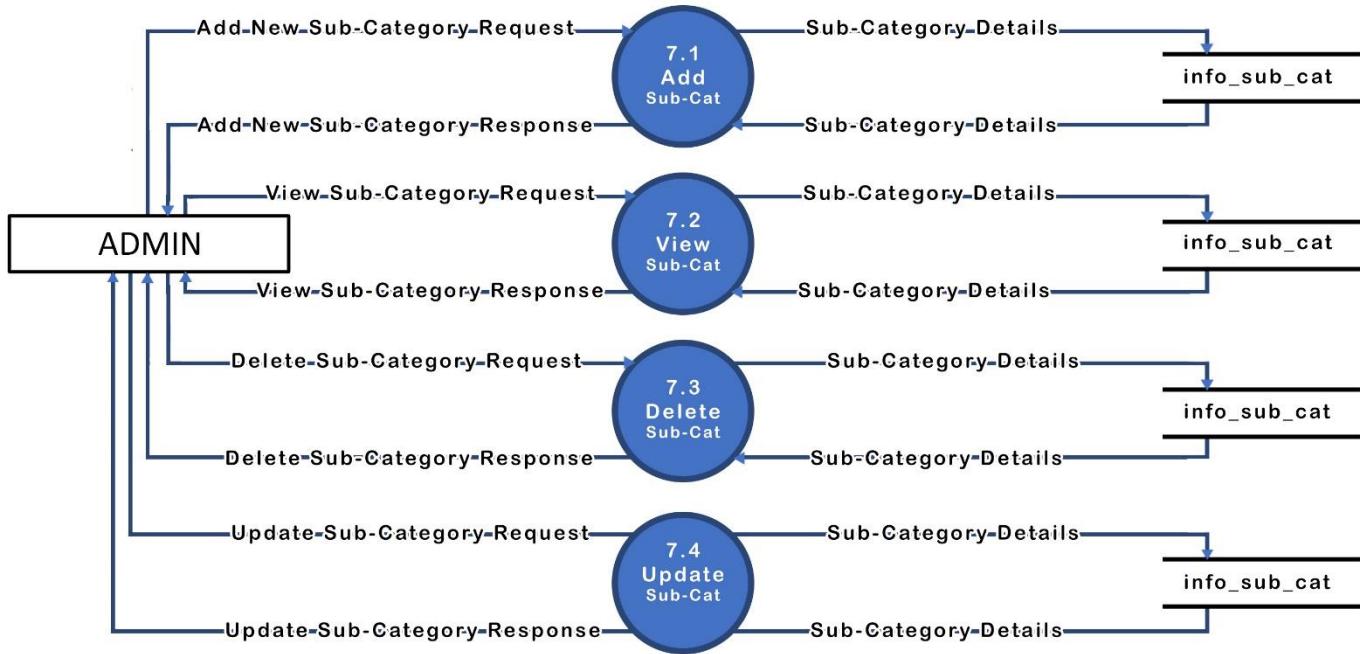
❖ 2nd Level DFD for process 5.0 Manage Distributor (Admin)



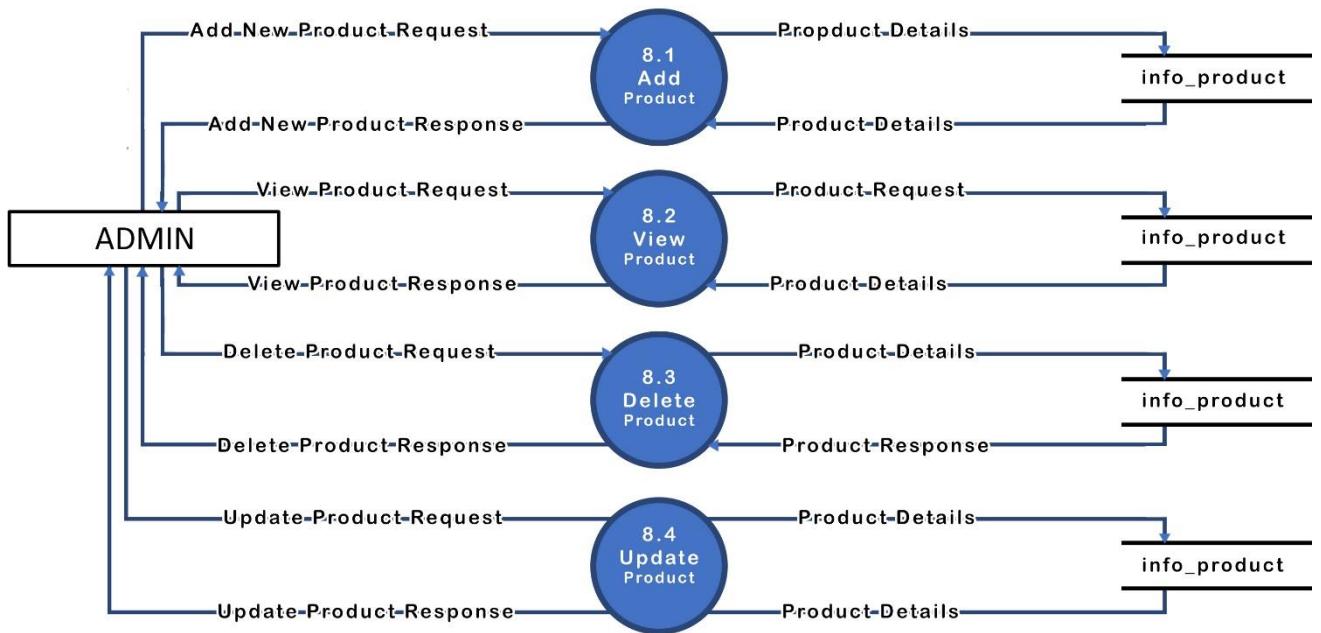
❖ 2nd level DFD for process 6.0 Manage Category (Admin)



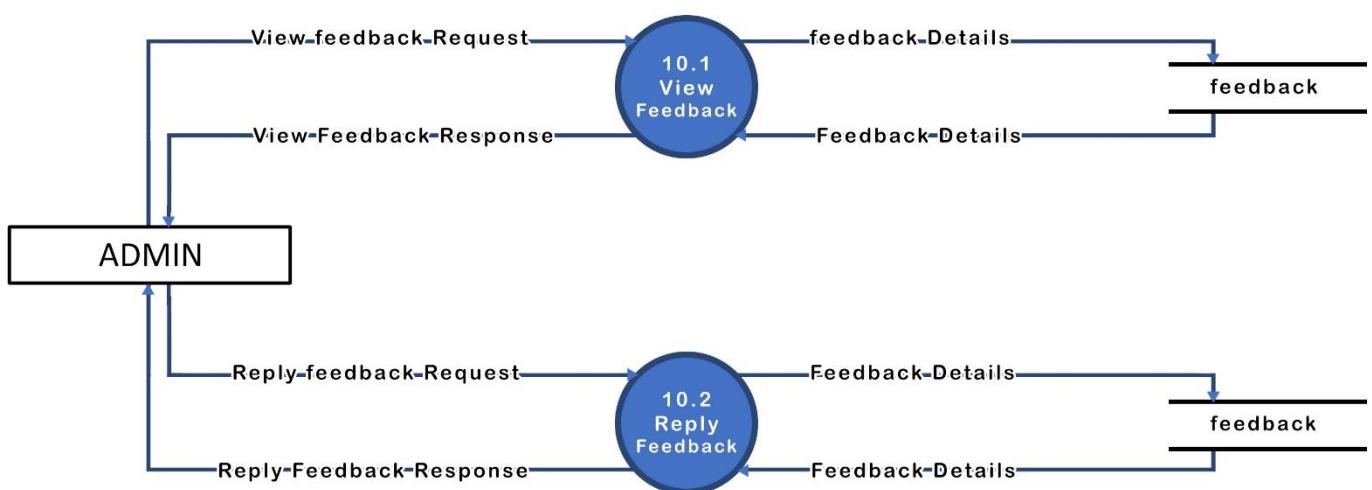
❖ 2nd Level DFD for process 7.0 Manage Sub-Cat (Admin)



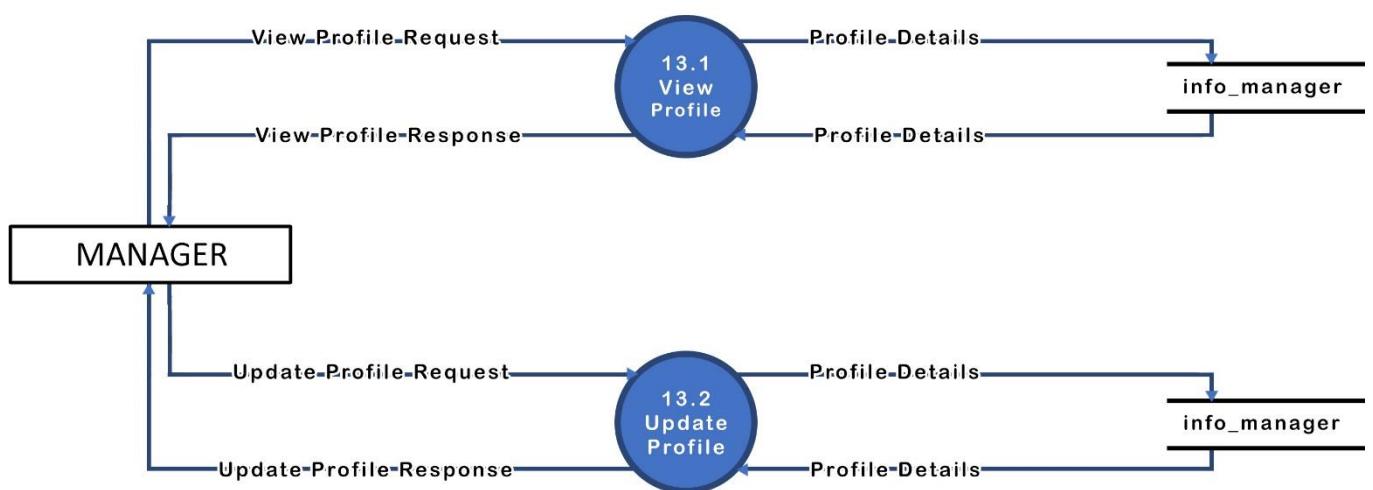
❖ 2nd Level DFD for process 8.0 Manage Product (Admin)



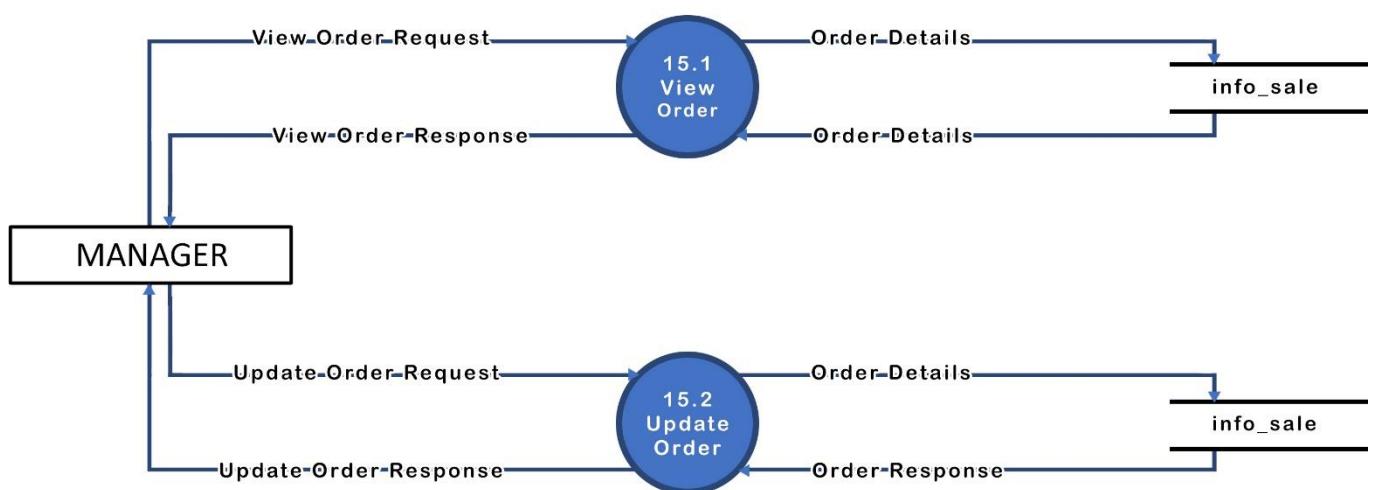
❖ 2nd Level DFD for process 10.0 Manage Feedback (Admin)



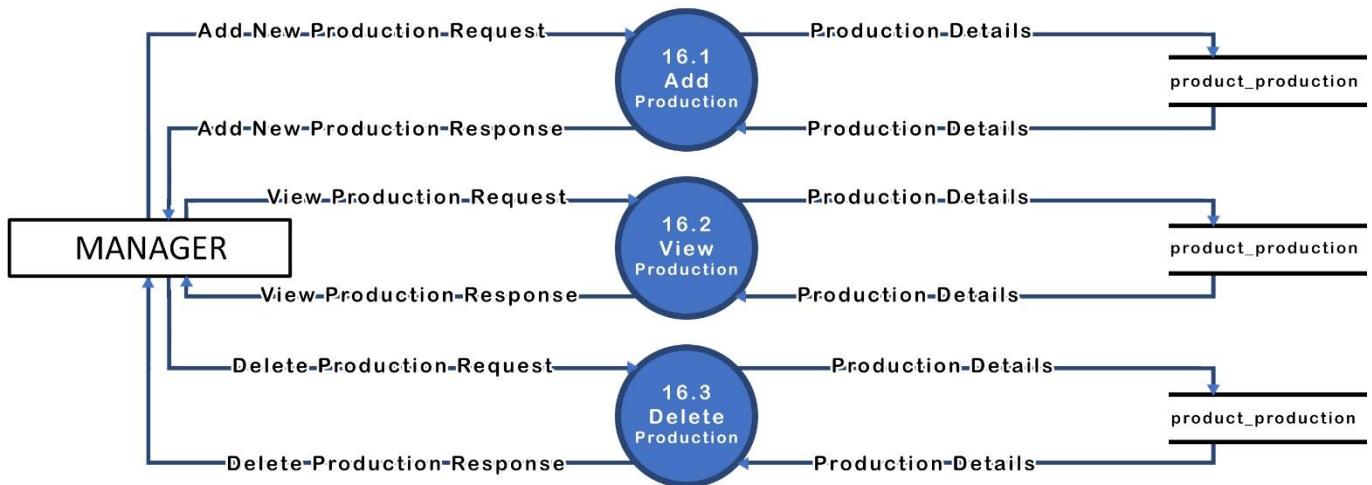
❖ 2nd Level DFD for process 13.0 Manager Profile (Manager)



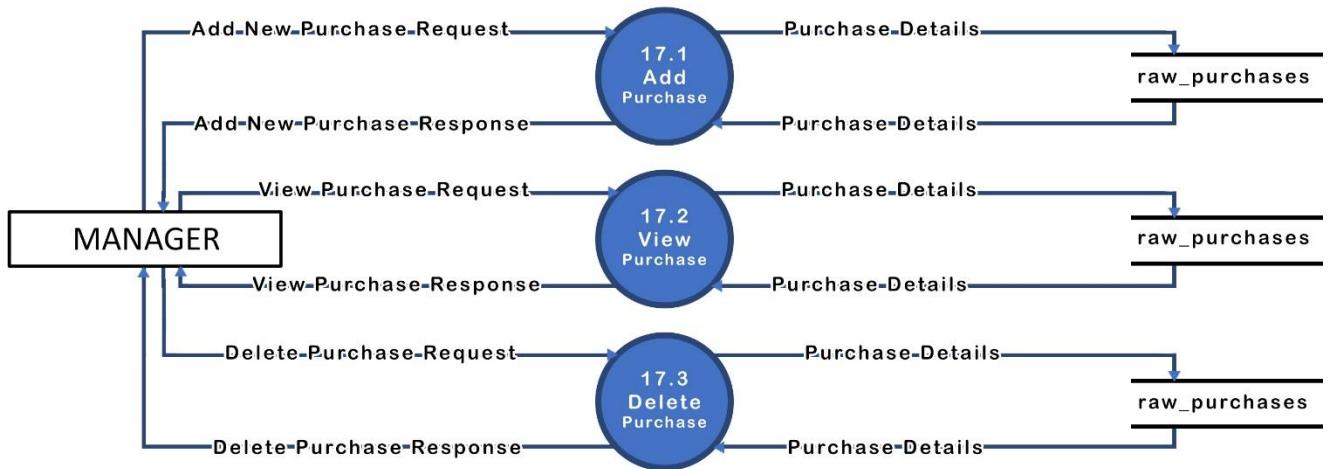
❖ 2nd Level DFD for process 15.0 Manage Order (Manager)



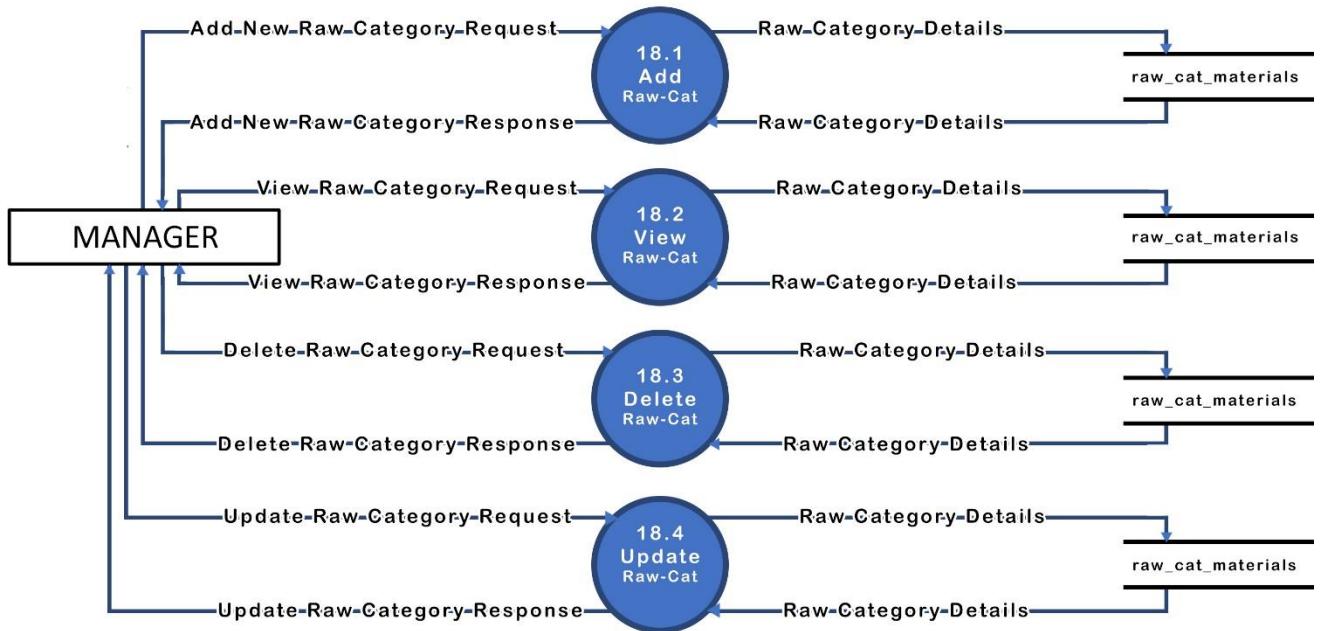
❖ 2nd Level DFD for process 16.0 Manager Production (Manager)



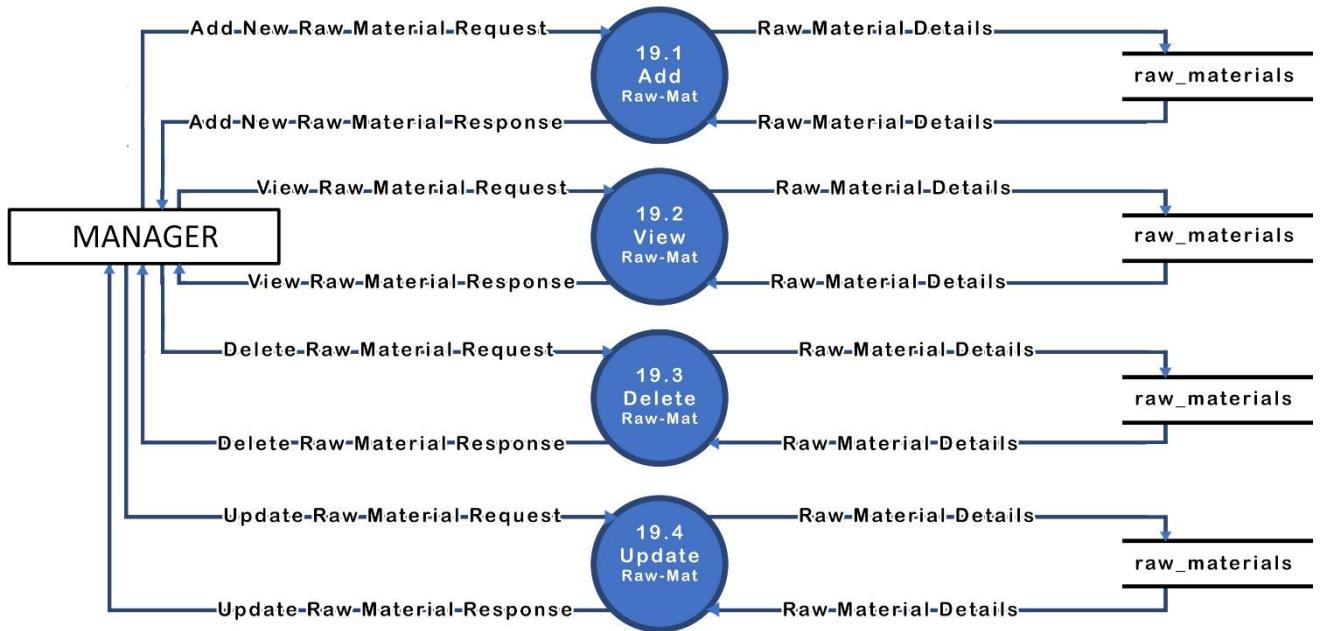
❖ 2nd Level DFD for process 17.0 Manager Purchase (Manager)



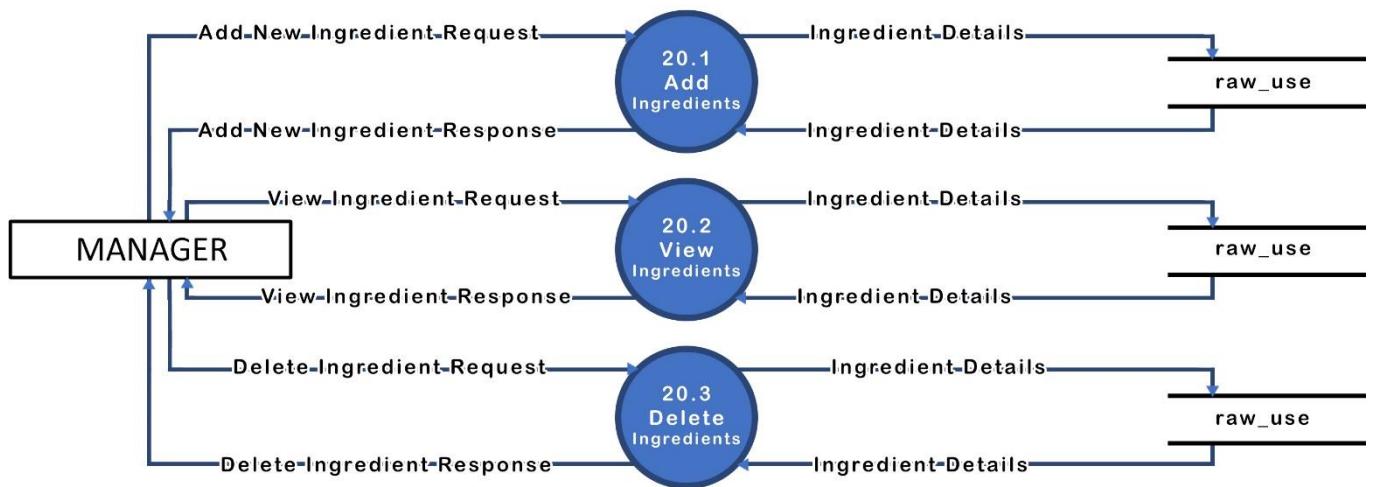
❖ 2nd Level DFD for process 18.0 Manager Raw-Cat (Manager)



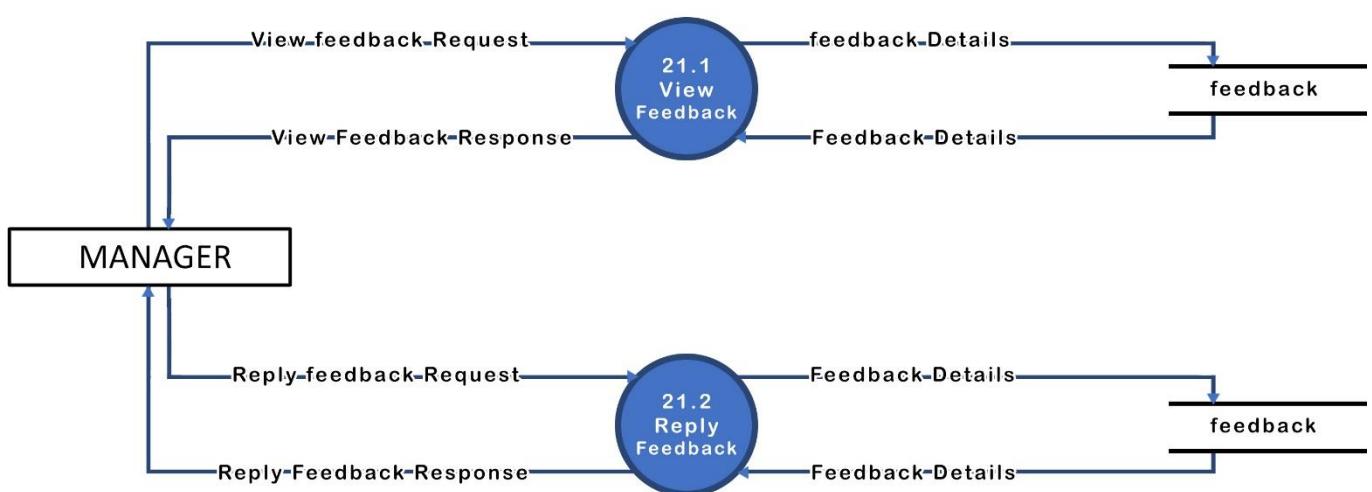
❖ 2nd Level DFD for process 19.0 Manager Raw-Mat (Manager)



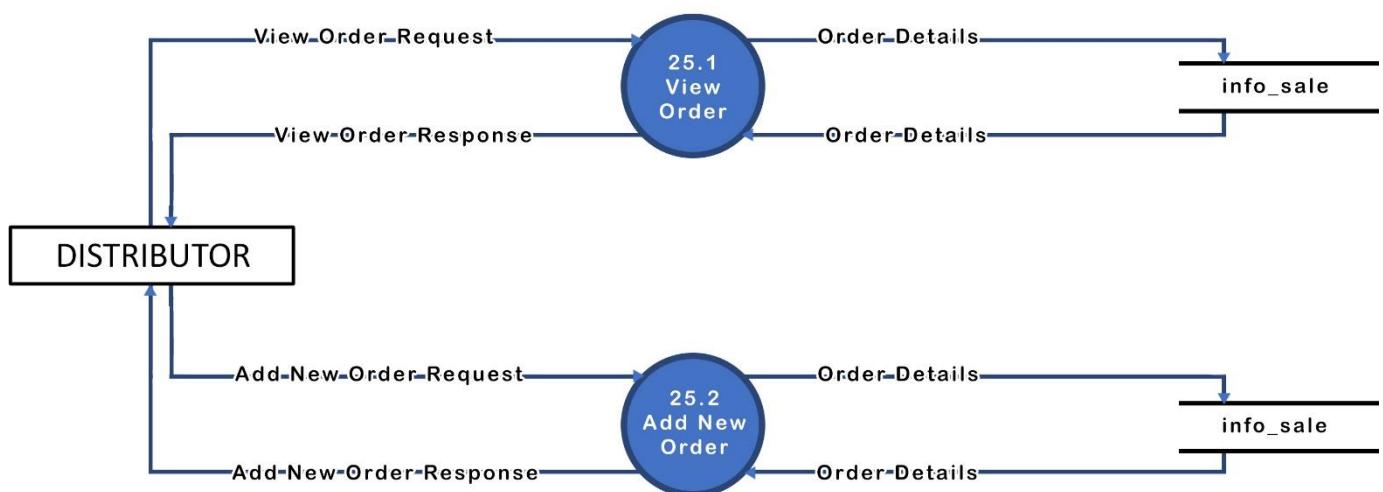
❖ 2nd Level DFD for process 20.0 Manager Ingredients (Manager)



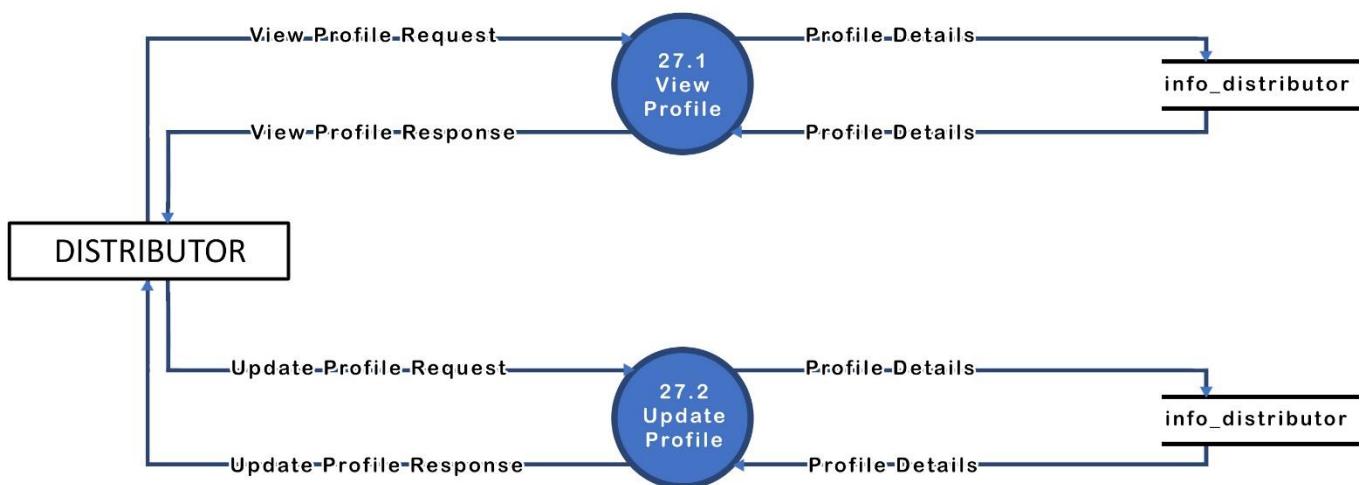
❖ 2nd Level DFD for process 21.0 Feedback (Manager)



❖ 2nd Level DFD for process 25.0 Manage Order (Distributor)

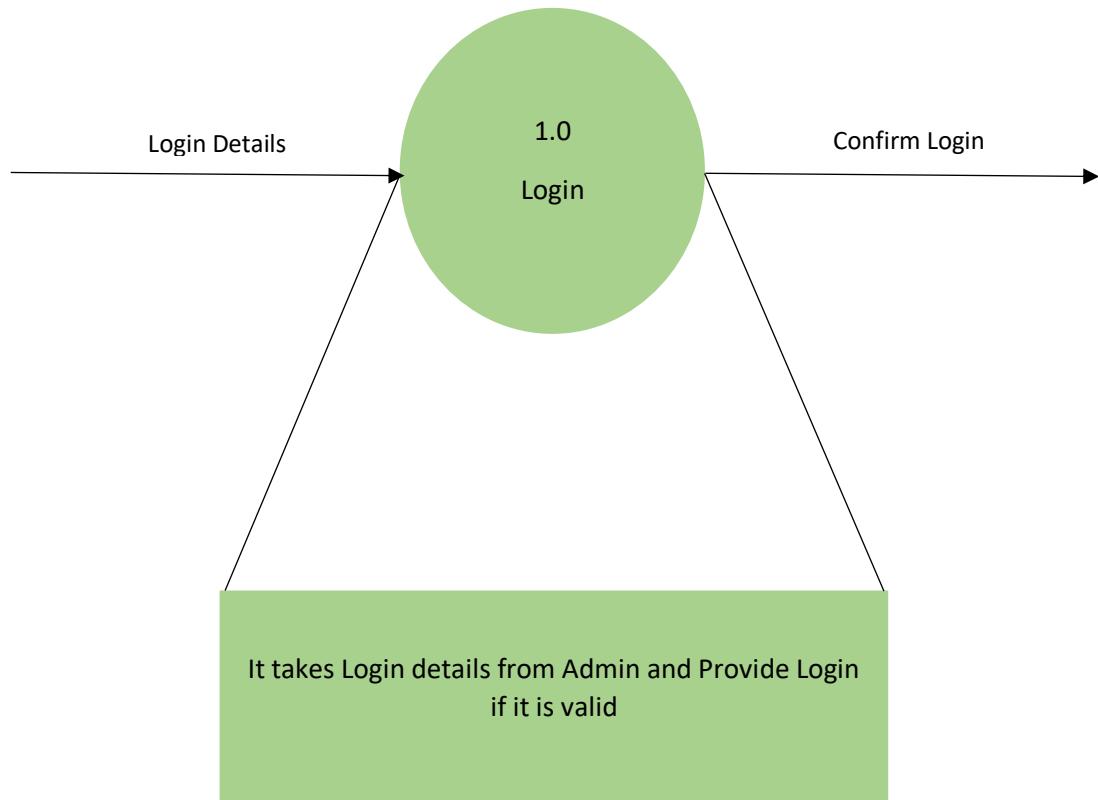


❖ 2nd Level DFD for process 27.0 Manage Profile (Distributor)

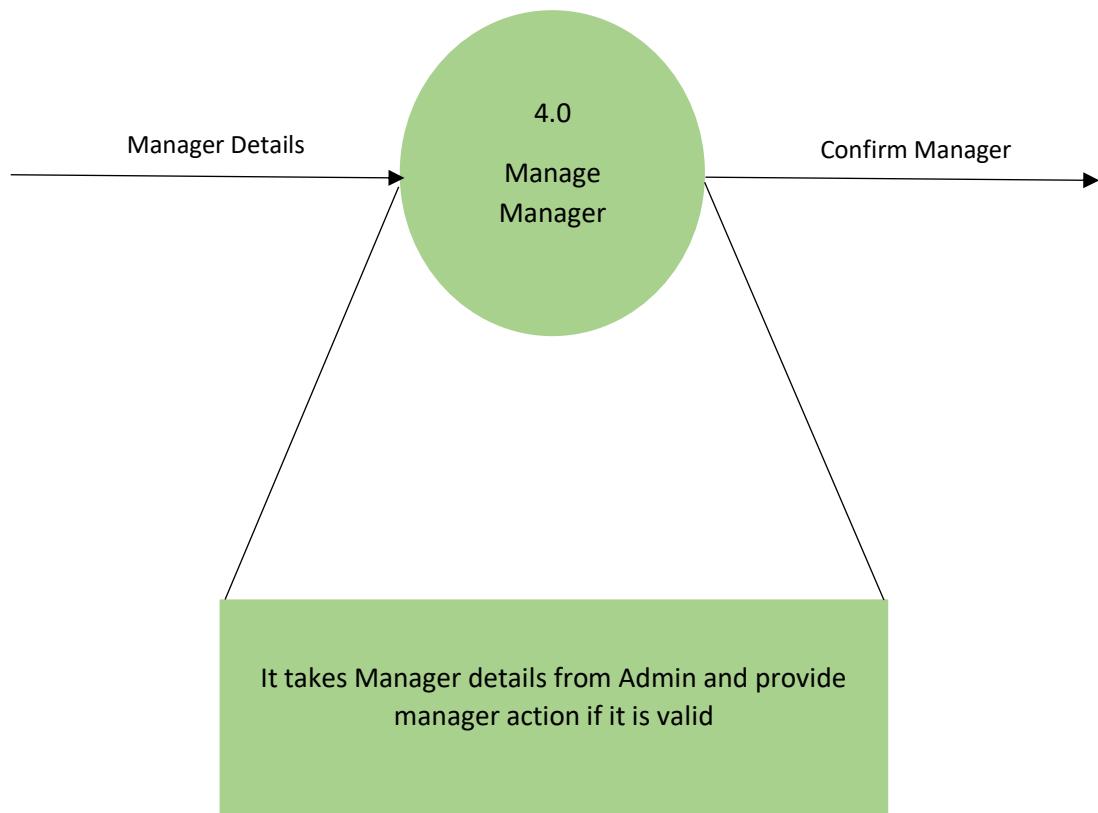


6.7 Process Specification

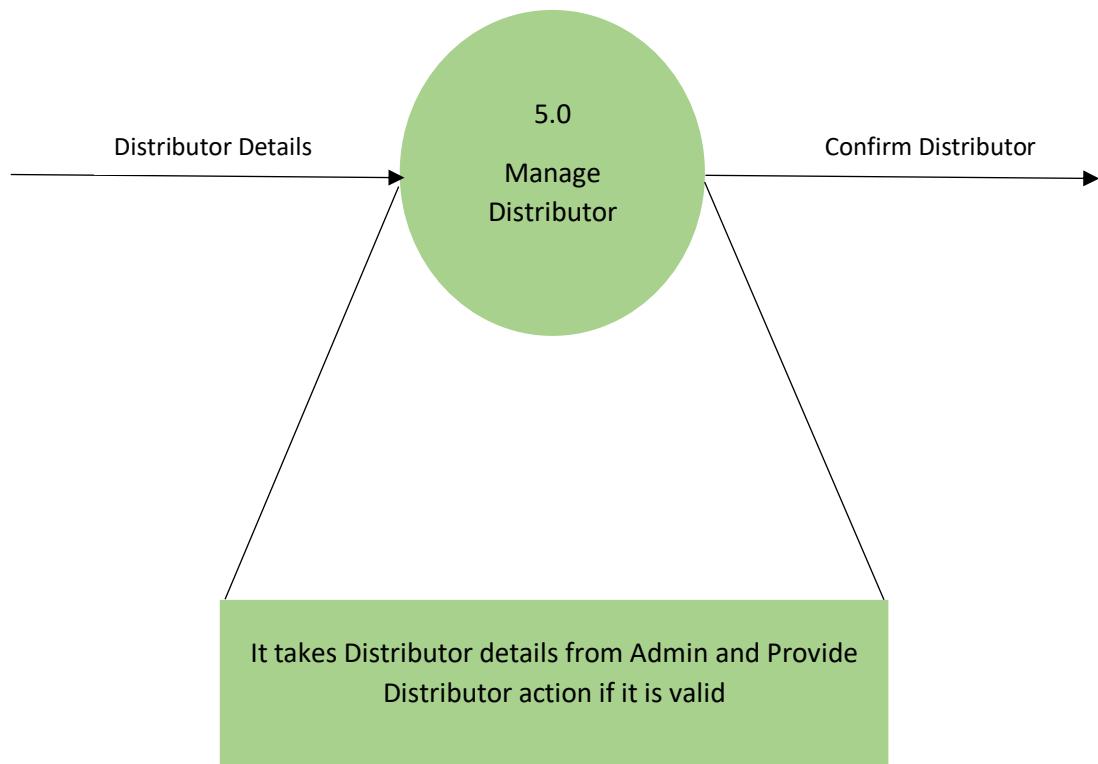
❖ Login Process



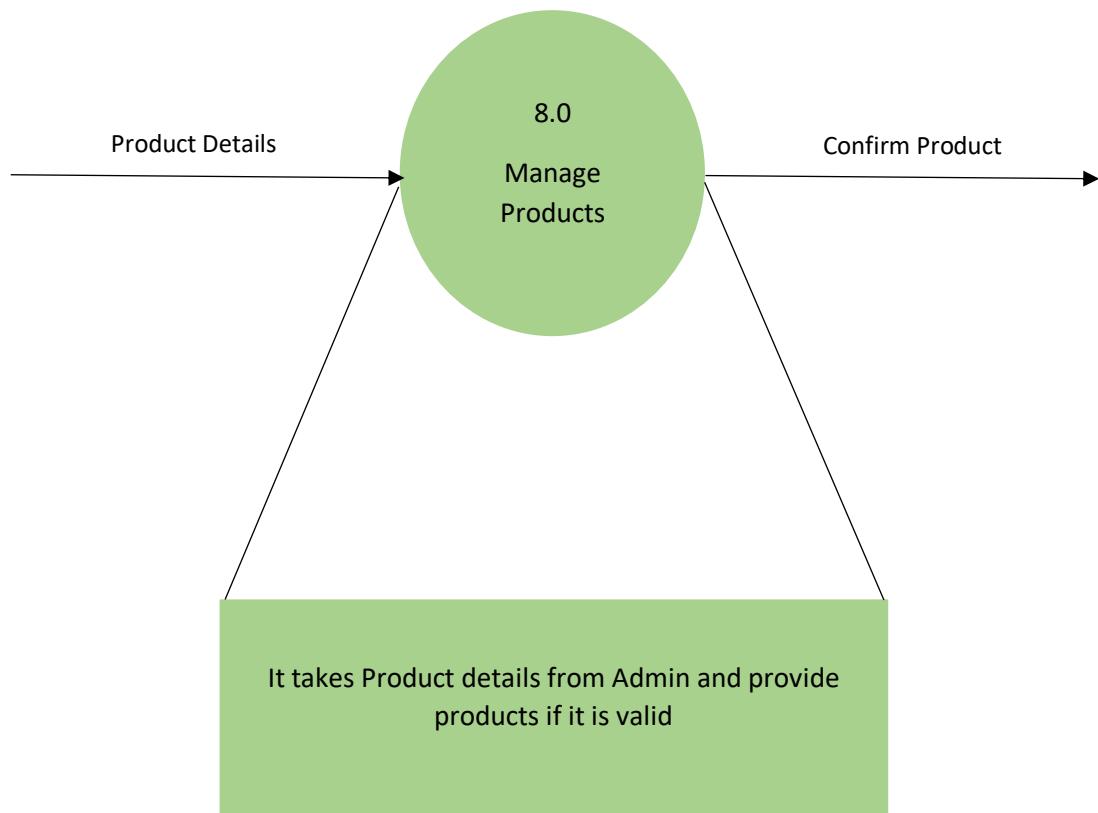
❖ Manage Manager Process



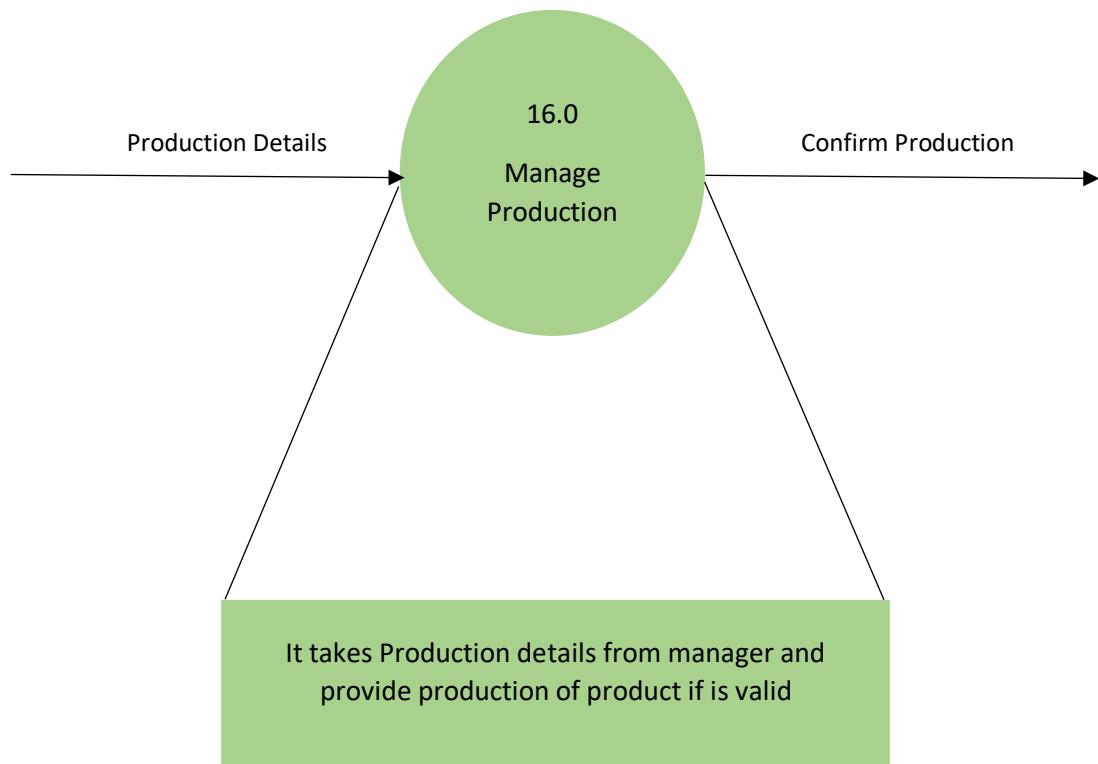
❖ Manage Distributor Process



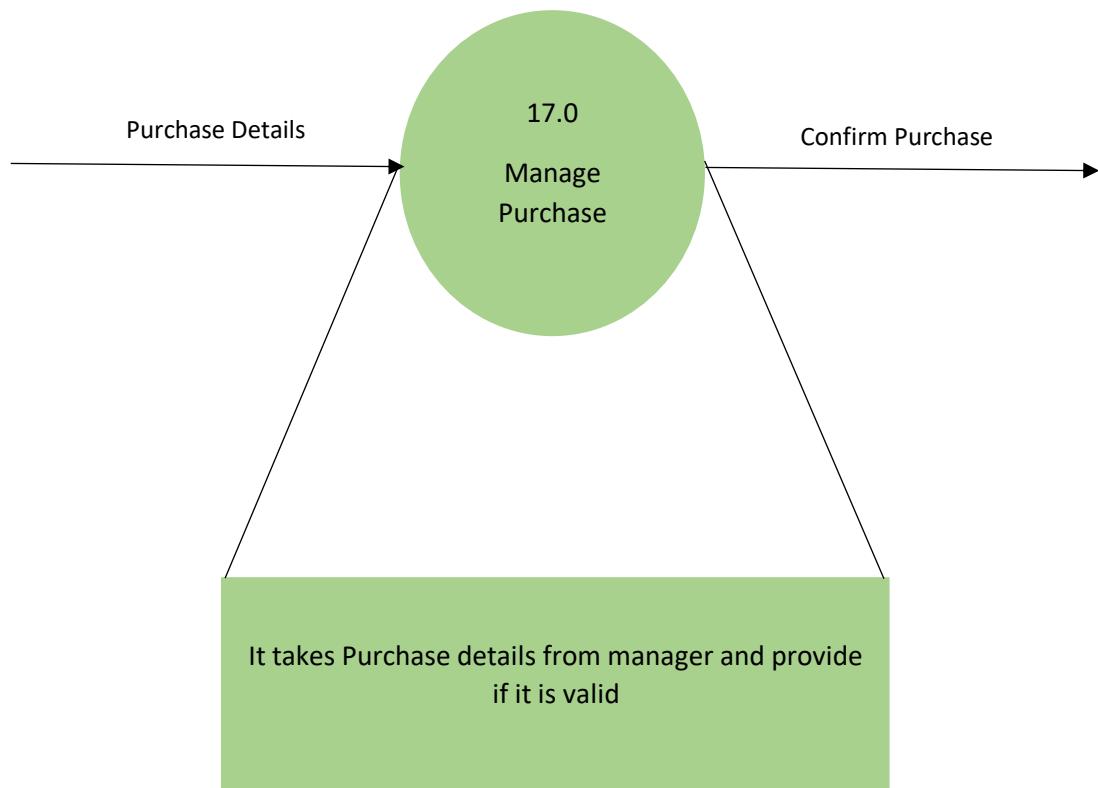
❖ Manage Products Process



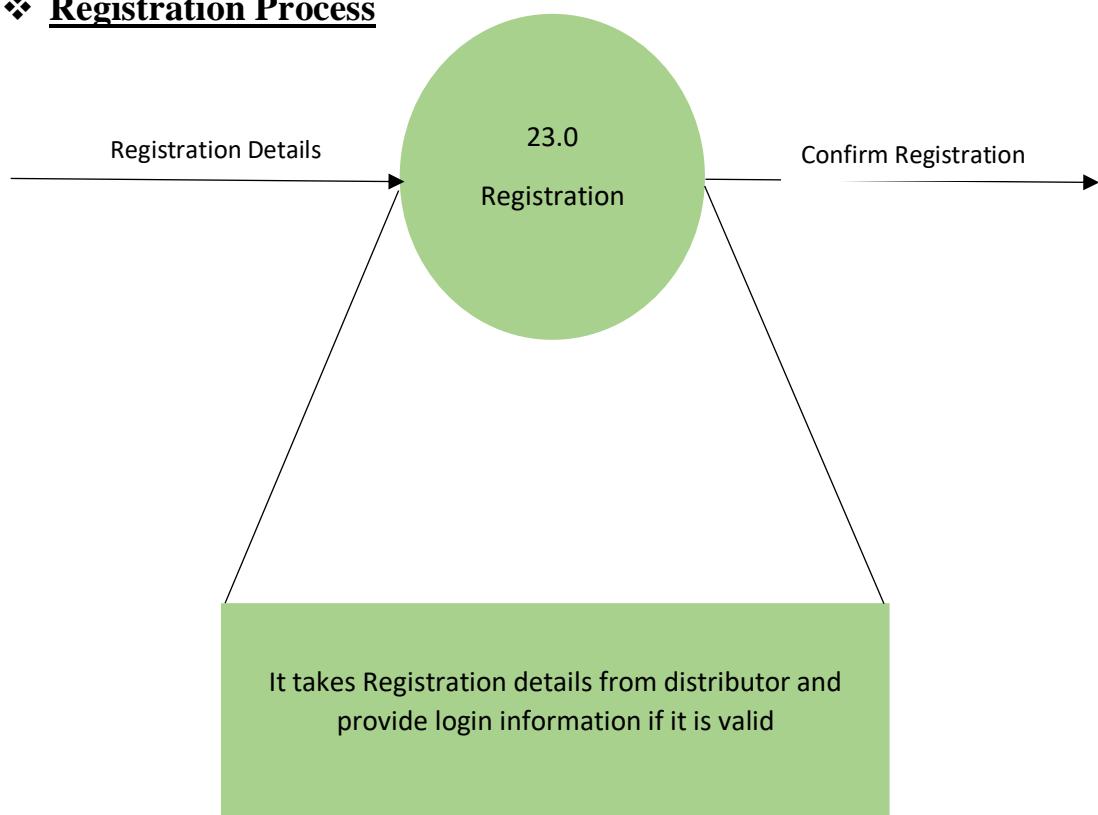
❖ Manage Production Process



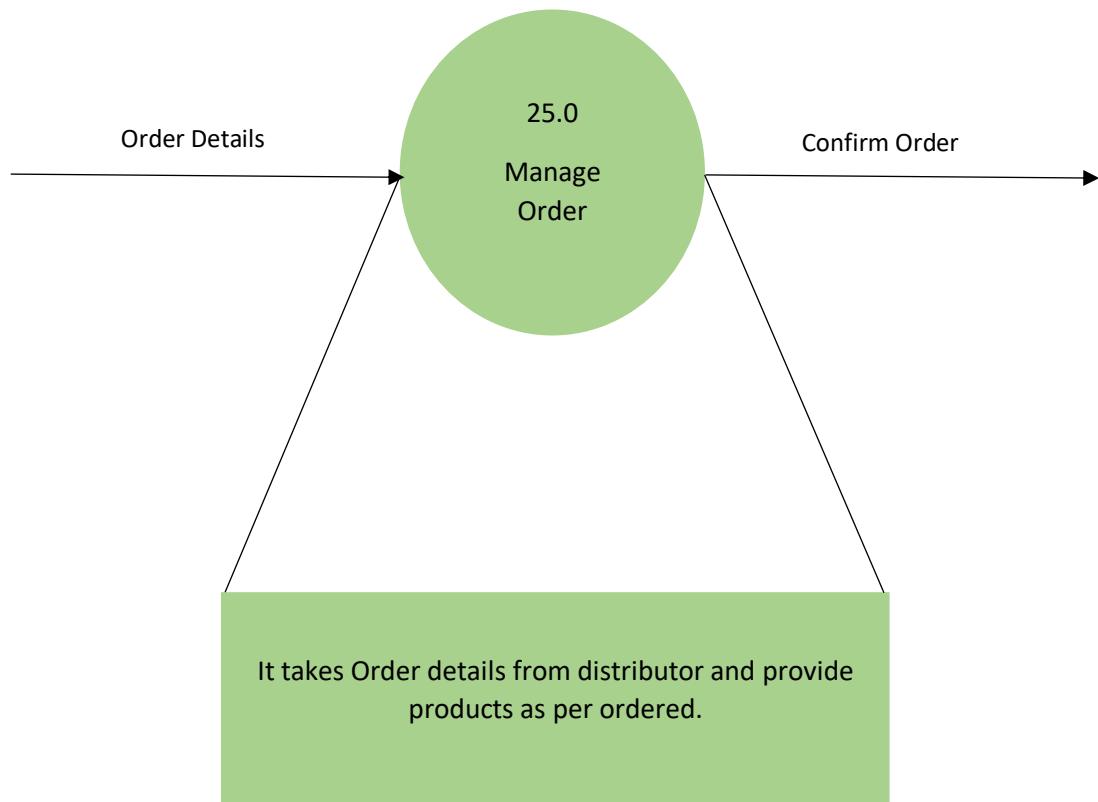
❖ Manage Purchase Process



❖ Registration Process



❖ Manage Order Process



6.8 Data Dictionary

❖ Info_admin

Name	Admin Details
Alias	Admin
Where and how used	1.0 Login (IN/OUT) 2.0 Manage Profile 2.1 View Profile (OUT) 2.2 Update Profile (IN/OUT) 3.0 Manage Admin 3.1 Add New Admin (IN) 3.2 View Admin (OUT)
Content Description	Admin will store all information related to admin.
Supplementary Information	Info_admin=a_id (PK)+a_name + a_email+ a_pwd + a_status + a_img

❖ **Info_manager**

Name	Manager Details
Alias	Manager
Where and how used	4.0 Manage Manager 4.1 Add Manager (IN) 4.2 View Manager (OUT) 4.3 Delete Manager (IN/OUT) 12.0 Login (IN/OUT) 13.0 Manage Profile 13.1 View Profile (OUT) 13.2 Update Profile (IN/OUT)
Content Description	Admin will store all information related to manager.
Supplementary Information	$\text{Info_manager} = \text{m_id } (\text{PK}) + \text{m_img}$ $+ \text{m_name} + \text{m_email} + \text{m_pwd} +$ $\text{m_gender} + \text{m_phone} + \text{m_address} +$ $\text{m_city } (\text{FK}) + \text{m_status}$

❖ Info_distributor

Name	Distributor Details
Alias	Distributor
Where and how used	<p>5.0 Manage Distributor</p> <p>5.1 Add Distributor (IN)</p> <p>5.2 View Distributor (OUT)</p> <p>5.3 Delete Distributor (IN/OUT)</p> <p>23.0 Login (IN/OUT)</p> <p>24.0 Registration (IN)</p> <p>27.0 Manage Profile</p> <p>27.1 View Profile (OUT)</p> <p>27.2 Update Profile (IN/OUT)</p>
Content Description	Admin will store all information related to distributor.
Supplementary Information	Info_distributor=d_id (PK) + d_name + d_email + d_pwd + d_gender + d_phone + d_address + d_city (FK)+ d_state (FK)+ d_img + d_agency + d_ag_add + ag_city (FK)+ ag_state (FK)+ d_status

❖ Info_category

Name	Product Category Details
Alias	None
Where and how used	<p>6.0 Manage Category</p> <p>6.1 Add Category (IN)</p> <p>6.2 Update Category (IN/OUT)</p> <p>6.3 Delete Category (IN/OUT)</p> <p>6.4 View Category (OUT)</p>
Content Description	Admin will store all information related to product category.
Supplementary Information	Info_category=cat_id (PK) + c_name + c_status

❖ **Info_sub_cat**

Name	Product Sub-Category Details
Alias	None
Where and how used	7.0 Manage Sub-Cat 7.1 Add Sub-Cat (IN) 7.2 View Sub-Cat (OUT) 7.3 Delete Sub-Cat (IN/OUT) 7.4 Update Sub-Cat (IN/OUT)
Content Description	Admin will store all information related to product sub-category.
Supplementary Information	Info_sub_cat=sc_id (PK) + sc_name + sc_status + cat_id (FK)

❖ **Info_product**

Name	Product Details
Alias	None
Where and how used	8.0 Manage Products 8.1 Add Product (IN) 8.2 View Product (OUT) 8.3 Delete Product (IN/OUT) 8.4 Update Product (IN/OUT) 14.0 View Product (OUT) 28.0 View Products (OUT) 30.0 View Product (OUT)
Content Description	Admin will store all information related to product. Visitor can search product.
Supplementary Information	Info_category=p_id (PK) + p_img + p_name + sc_id (FK)+ cost_price + sale_price + p_price + p_qty + p_status + p_info

❖ Product_production

Name	Product Production Details
Alias	None
Where and how used	16.0 Manage Production 16.1 Add Production (IN) 16.2 View Production (OUT) 16.3 Delete Production (IN/OUT)
Content Description	Admin can view product production. Manager will store all information related to product production.
Supplementary Information	Product_production=pd_id (PK) + p_id (FK) + pd_qty + pd_date

❖ Raw_cat_materials

Name	Raw Materials Category Details
Alias	None
Where and how used	18.0 Manage Raw-Cat 12.1 Add Raw-Cat (IN) 12.2 View Raw-Cat (OUT) 12.3 Delete Raw-Cat (IN/OUT) 12.4 Update Raw-Cat (IN/OUT)
Content Description	Manager will store all information related to raw material category.
Supplementary Information	Raw_cat_materials=raw_cat_id (PK) + raw_cat_name

❖ Raw_materials

Name	Raw Materials Details
Alias	None
Where and how used	19.0 Manage Raw-Mat 19.1 Add Raw-Mat (IN) 19.2 View Raw-Mat (OUT) 19.3 Delete Raw-Mat (IN/OUT) 19.4 Update Raw-Mat (IN/OUT)
Content Description	Manager will store all information related to Raw Materials.
Supplementary Information	Raw_materials=raw_id (PK) + raw_name + raw_cat_id (FK)+ raw_qty + min_qty

❖ Raw_purchases

Name	Raw Materials Purchase Details
Alias	None
Where and how used	17.0 Manage Purchase 17.1 Add Purchase (IN) 17.2 View Purchase (OUT) 17.3 Delete Purchase (IN/OUT)
Content Description	Manager will store all information related to Raw Material Purchase.
Supplementary Information	Raw_purchases=pur_id (PK) + raw_id (FK)+ pur_qty + pur_amt + pur_date

❖ **Raw_use**

Name	Raw Materials Use Details
Alias	None
Where and how used	20.0 Manage Ingredients 20.1 Add Ingredients (IN) 20.2 View Ingredients (OUT) 20.3 Delete Ingredients (IN/OUT)
Content Description	Manager will store all information related to Raw Materials Uses.
Supplementary Information	Raw_use=use_id (PK) + p_num + p_id (FK)+ raw_id (FK)+ use_qty

❖ **use_history**

Name	Raw Materials Use History Details
Alias	Raw Material Used History
Where and how used	None
Content Description	Manager can view all information related to Raw Materials used for production.
Supplementary Information	Use_history=h_id (PK) + p_num + p_id (FK) + p_qty + raw_id (FK)+ raw_qty + h_date

❖ Feedback

Name	Feedback Details
Alias	None
Where and how used	10.0 Feedback 10.1 View Feedback (OUT) 10.2 Reply Feedback (IN) 21.0 Feedback 21.1 View Feedback (OUT) 21.2 Reply Feedback (IN) 26.0 Feedback (IN) 31.0 Feedback (IN)
Content Description	Admin can view feedbacks received from visitor and manager. Manager can view feedbacks received from distributor. Visitor and Distributor can send feedbacks.
Supplementary Information	feedback=f_id (PK) + d_id (FK)+ u_email + msg

❖ **Info_sale**

Name	Product Sell Details
Alias	Info_order
Where and how used	15.0 Manage Order 15.1 Update Order (IN/OUT) 15.2 View Order (IN/OUT) 25.0 Manage Order 25.1 View Order (OUT) 25.2 Add New Order (IN)
Content Description	Manager can view all information related to order and can accept orders. Distributor can place order.
Supplementary Information	Info_sale=sale_id (PK) + d_id (FK)+ s_amt + ord_status + s_date + payment + noti

❖ **Info_sale_qty**

Name	Product Sell Quantity Details
Alias	Info_order_qty
Where and how used	9.0 Report (OUT)
Content Description	Manager can view all information related to order received quantity.
Supplementary Information	Info_sale_qty=sq_id (PK) + p_id (FK)+ p_qty + sale_id (FK)+ s_prc

6.9 Table Structure with Relationship

❖ Info_admin

Field Name	Data type	Constraint	Description
a_id	Int (11)	PK	It contains ID of admin
a_name	Varchar (20)	Not Null	It contains Name of Admin
a_email	Varchar (100)	Unique	It contains Email of Admin
a_pwd	Varchar (50)	Not Null	It contains Password of Admin
a_status	Int (1)	Not Null	It contains Status of Admin
a_img	Varchar (40)	Null	It contains Image of Admin

❖ Info_manager

Field Name	Data type	Constraint	Description
m_id	Int (11)	PK	It contains ID of Manager
m_img	Varchar (40)	Null	It contains Image of Manager
m_name	Varchar (70)	Not Null	It contains Name of Manager
m_email	Varchar (70)	Unique	It contains Email of Manager
m_pwd	Varchar (70)	Not Null	It contains Password of Manager
m_gender	Varchar (20)	Not Null	It contains Gender of Manager
m_phone	Varchar (10)	Not Null	It contains Phone Number of Manager
m_address	Varchar (250)	Not Null	It contains Address of Manager
m_city	Int (11)	FK	It contains City of Manager
m_status	Int (11)	Not Null	It contains status of Manager

❖ Info_distributor

Field Name	Data type	Constraint	Description
d_id	Int (11)	PK	It contains ID of Distributor
d_name	Varchar (20)	Not Null	It contains Name of Distributor
d_email	Varchar (100)	Unique	It contains Email of Distributor
d_pwd	Varchar (50)	Not Null	It contains Password of Distributor
d_gender	Varchar ()	Not Null	It contains Gender of Distributor
d_phone	Varchar (11)	Not Null	It contains Phone Number of Distributor
d_address	Varchar (250)	Not Null	It contains Address of Distributor
d_city	Int (11)	FK	It contains City of Distributor
d_state	Int (11)	FK	It contains State of Distributor
d_dob	Date	Not Null	It contains Date of Birth of Distributor
d_img	Varchar (40)	Null	It contains Image of Distributor
d_agency	Varchar (30)	Not Null	It contains Agency Name of Distributor
d_ag_add	Varchar (100)	Not Null	It contains Agency Address of Distributor
ag_city	Int (11)	FK	It contains Agency City of Distributor
ag_state	Int (11)	FK	It contains Agency State of Distributor
d_status	Int (11)	Not Null	It contains status of Distributor

❖ Info_category

Field Name	Data type	Constraint	Description
cat_id	Int (11)	PK	It contains ID of Category
c_name	Varchar (40)	Not Null	It contains Name of Category
c_status	Int (1)	Not Null	It contains Status of Category

❖ Info_sub_cat

Field Name	Data type	Constraint	Description
sc_id	Int (11)	PK	It contains ID of Sub-Category
sc_name	Varchar (40)	Not Null	It contains Name of Sub-Category
sc_status	Int (1)	Not Null	It contains Status of Category
cat_id	Int (11)	FK	It contains ID of Category

❖ Info_product

Field Name	Data type	Constraint	Description
p_id	Int (11)	PK	It contains ID of Product
p_img	Varchar (50)	No Null	It contains Image of Product
p_name	Varchar (50)	Not Null	It contains Name of Product
sc_id	Int (11)	FK	It contains Sub-Category ID of Product
cost_price	Float	Not Null	It contains Cost Price of Product
sale_price	Varchar (250)	Not Null	It contains Sale Price of Product
p_price	Int (11)	Not Null	It contains Price of Product
p_qty	Int (11)	Not Null	It contains Quantity of Product
p_status	Int (11)	Not Null	It contains status of Product
p_info	Varchar (500)	Not Null	It contains Information of Product

❖ Product_production

Field Name	Data type	Constraint	Description
pd_id	Int (11)	PK	It contains ID of Production
p_id	Int (11)	FK	It contains ID of Product
pd_qty	varchar (50)	Not Null	It contains Quantity of Product Production
pd_date	Date	Not Null	It contains Date of Production

❖ Raw_cat_materials

Field Name	Data type	Constraint	Description
raw_cat_id	Int (11)	PK	It contains ID of Raw Material Category
raw_cat_name	Varchar (50)	Not Null	It contains Name of Raw Material Category

❖ Raw_materials

Field Name	Data type	Constraint	Description
raw_id	Int (11)	PK	It contains ID of Raw Material
raw_name	Varchar (50)	Not Null	It contains Name of Raw Material
raw_cat_id	Int (11)	FK	It contains ID of Raw Material Category
raw_qty	Varchar (20)	Not Null	It contains Quantity of Raw Material
min_qty	Int (11)	Not Null	It contains Minimum Quantity of Raw Material

❖ Raw_purchases

Field Name	Data type	Constraint	Description
pur_id	Int (11)	PK	It contains ID of Raw Purchase
raw_id	Int (11)	FK	It contains ID of Raw Material
pur_qty	Varchar (50)	Not Null	It contains Quantity of Raw Purchase
pur_amt	Varchar (100)	Not Null	It contains Price of Raw Purchase
pur_date	Date	Not Null	It contains Date of Raw Purchase

❖ Raw_use

Field Name	Data type	Constraint	Description
use_id	Int (11)	PK	It contains ID of Raw Use
p_num	Int (11)	Not Null	It contains number of Products
p_id	Int (11)	Not Null	It contains ID of Product
raw_id	Int (11)	FK	It contains ID of Raw Material
use_qty	Varchar (50)	Not Null	It contains Quantity of Raw Use

❖ Use_history

Field Name	Data type	Constraint	Description
h_id	Int (11)	PK	It contains ID of Use History
p_num	Int (11)	Not Null	It contains number of Products
p_id	Int (11)	FK	It contains ID of Product
p_qty	Int (11)	Not Null	It contains Quantity of Product
raw_id	Int (11)	FK	It contains ID of Raw Material
raw_qty	Varchar (50)	Not Null	It contains Quantity of Raw Material
h_date	Date	Not Null	It contains Date of History

❖ Feedback

Field Name	Data type	Constraint	Description
f_id	Int (11)	PK	It contains ID of Feedback
d_id	Int (11)	FK	It contains ID of Distributor
u_email	Varchar (100)	Not Null	It contains Email of Visitor
msg	Varchar (250)	Not Null	It contains Message of Feedback

❖ City

Field Name	Data type	Constraint	Description
city_id	Int (11)	PK	It contains ID of City
city_name	Varchar (100)	Not Null	It contains Name of City
state_id	Varchar (100)	Not Null	It contains ID of State

❖ State

Field Name	Data type	Constraint	Description
state_id	Int (11)	PK	It contains ID of State
state_name	Varchar (100)	Not Null	It contains Name of State

❖ Info_sale

Field Name	Data type	Constraint	Description
sale_id	Int (11)	PK	It contains ID of Sale
d_id	Int (11)	FK	It contains ID of Distributor
s_amt	Varchar (10)	Not Null	It contains Amount of Sale
ord_status	Int (11)	Not Null	It contains Status of Order
s_date	Date	Not Null	It contains Date of Order
payment	Int (11)	Not Null	It contains Payment of Sale
noti	Int (11)	Not Null	It contains Notification of Sale

❖ Info_sale_qty

Field Name	Data type	Constraint	Description
sq_id	Int (11)	PK	It contains ID of Sale Quantity
p_id	Int (11)	FK	It contains ID of Product
p_qty	Int (11)	Not Null	It contains Quantity of Product
sale_id	Int (11)	FK	It contains ID of Sale
s_prc	Int (11)	Not Null	It contains Price of Sale

❖ Discount

Field Name	Data type	Constraint	Description
discount	Int (11)	Null	It contains discount rate for product purchase.

❖ pr_fav

Field Name	Data type	Constraint	Description
fav_id	Int (11)	PK	It contains ID of Favourite product.
p_id	Int (11)	FK	It contains ID of Product
details	Varchar (255)	Not Null	It contains details of favourite product.
bg_color	Varchar (7)	Not Null	It contains background colour of favourite product

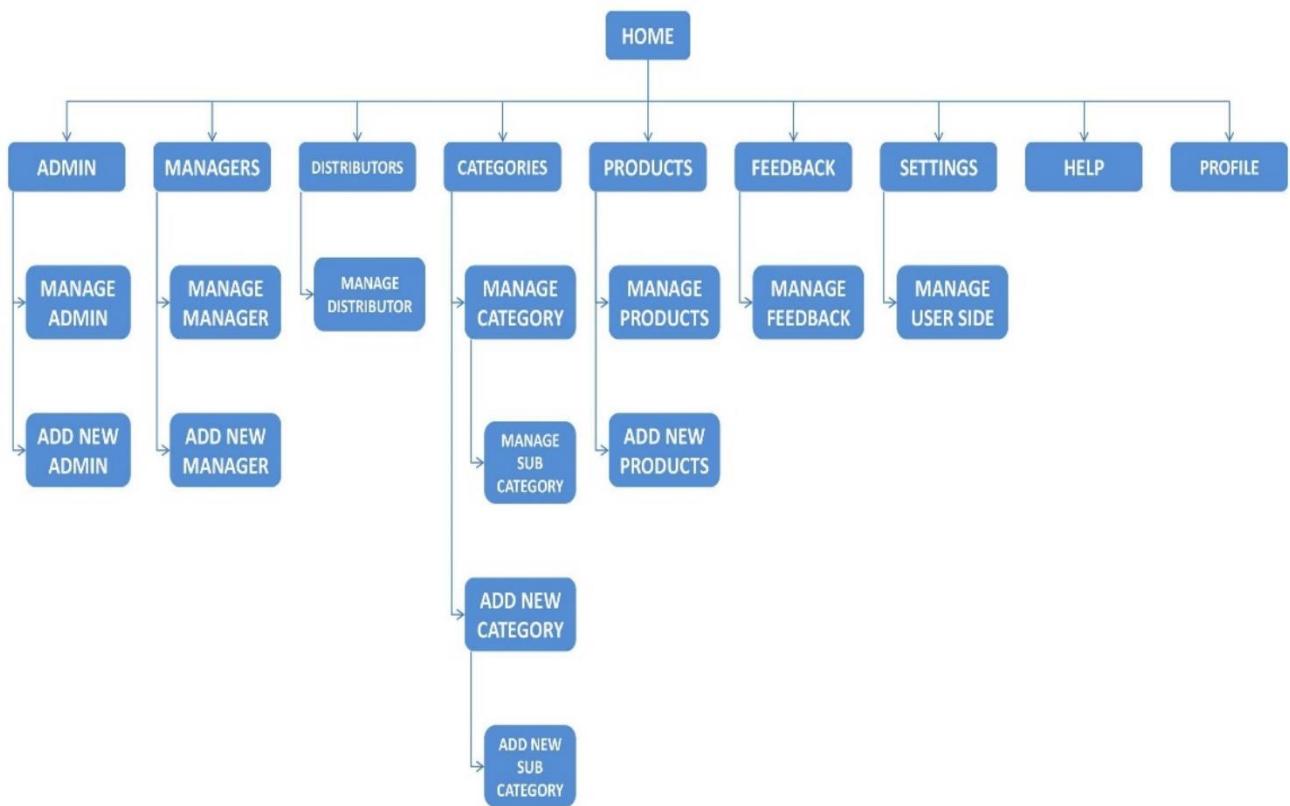
❖ pr_mart

Field Name	Data type	Constraint	Description
mart_id	Int (11)	PK	It contains ID of Mart.
m_name	Varchar (50)	Not Null	It contains Name of Mart.
mart_img	Text	Not Null	It contains Image of Mart.
p_id	Int (11)	FK	It contains ID of Product.
bg_color	Varchar (7)	Not Null	It contains background colour of Mart.
details	Varchar (255)	Not Null	It contains details of Mart.

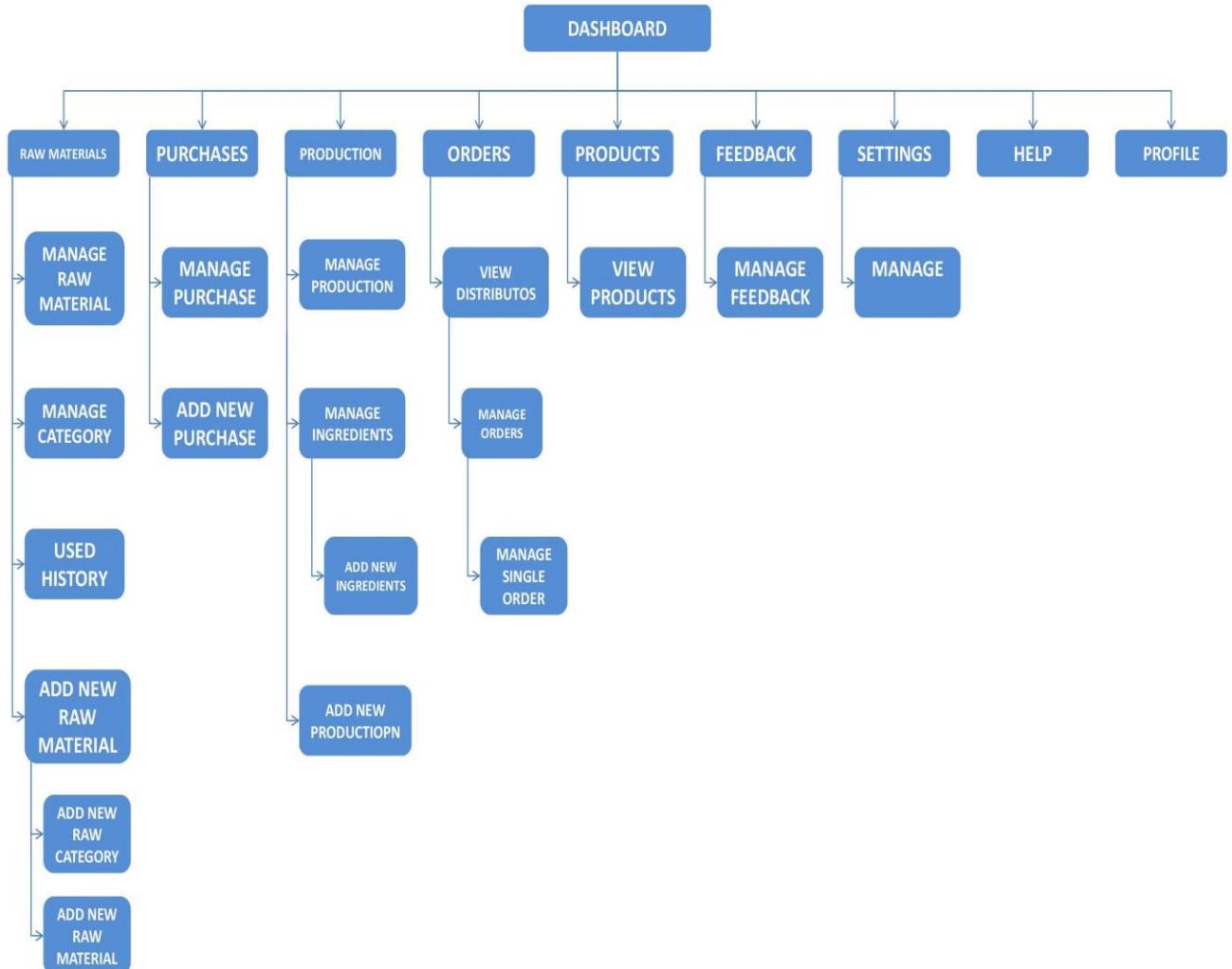
7. DESIGN REPORT

7.1 Site Diagram

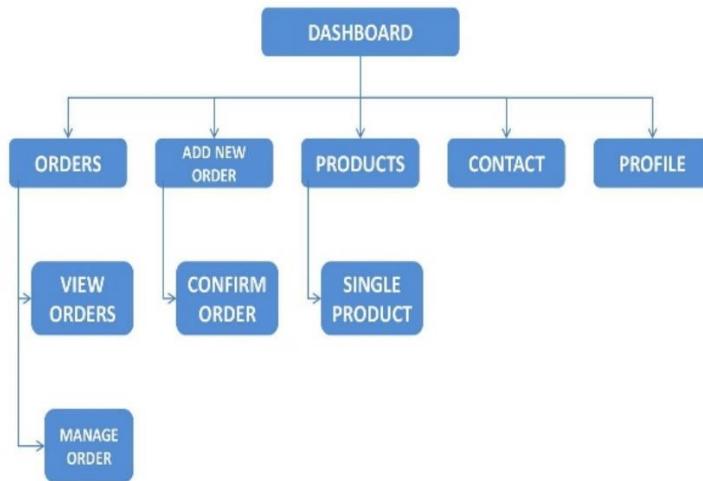
❖ Admin Site Diagram



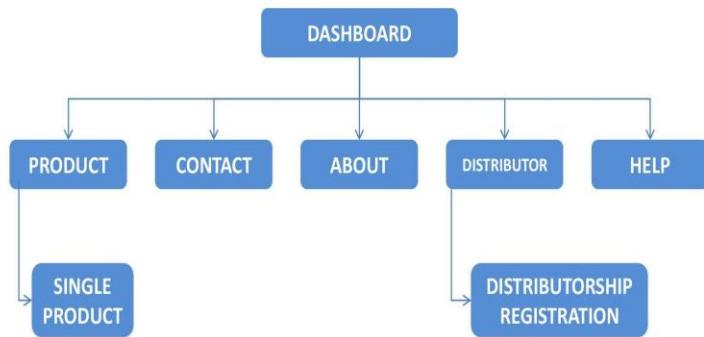
❖ Manager Site Diagram



❖ Distributor Site Diagram



❖ Visitor Site Diagram



7.2 Algorithms

❖ Admin Login

```
Step-1: START  
Step-2: Enter email, password  
Step-3: IF email exists in admin table  
        IF password==a_pwd  
              //Dashboard will open  
        ELSE  
              Print Incorrect Email or Password  
        ELSE  
              Print Incorrect Email or Password  
Step-4: STOP
```

❖ Add New Admin

```
Step-1: START  
Step-2: Choose admin image, enter admin name, enter admin email, enter password,  
       enter confirm password  
Step-3: IF email does not exist in admin table  
        IF password! =confirm password  
              Print password does not match  
        ELSE  
              Print Admin inserted Successfully  
        ELSE  
              Print Admin already Exists  
Step-4: STOP
```

❖ Add New Product

Step-1: START

Step-2: Choose product image, enter product name, select product category, select sub-category, enter cost price, enter selling price [Boxes], enter MRP, enter product information

Step-3: IF product name exists in product table

 Print Product already Exists

 ELSE

 Print Product Inserted Successfully

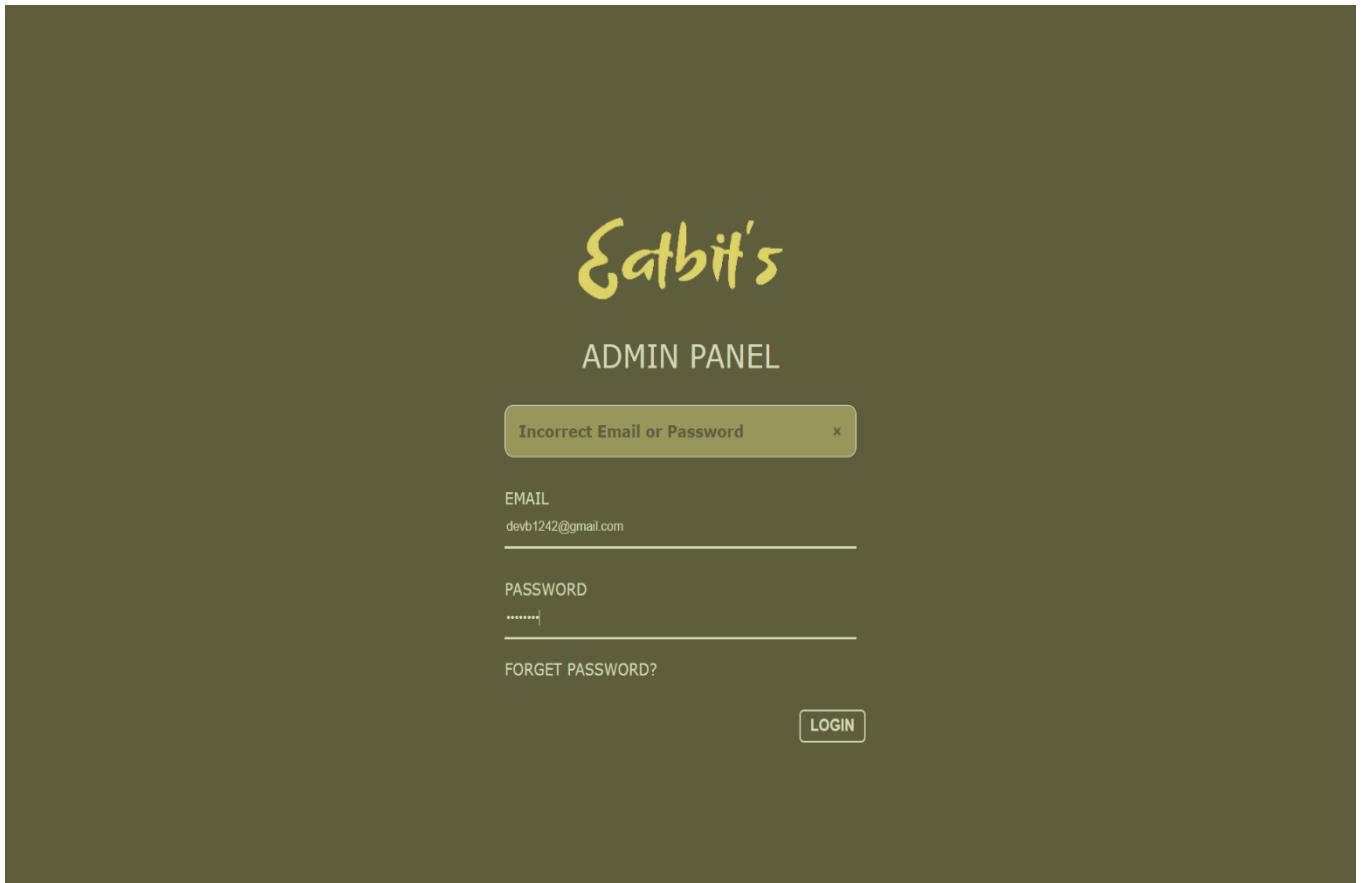
Step-4: STOP

7.3 Security Issues

- ✓ In the system there are some security issues in hacking side and in other fields like database related issues and CSS related issues too.
- ✓ The hacker can easily hack the system and down server for users.
- ✓ The files which are stored on the server there may be chances for stolen or corrupted from server and not available for long last.
- ✓ The system is not providing high level of security so the data is may be at risk in the future.
- ✓ The system is easy to understand and provide low level of security tools and interfaces so it is easily hack able by well practice hackers.
- ✓ An SQL injection occurs when a website form does not protect against various special characters and commands, allowing a malicious party to access, change or delete data from a database.
- ✓ Broken authentication and session management encompass several security issues, all of them having to do with maintaining the identity of a user.
- ✓ If authentication credentials and session identifiers are not protected at all times, an attacker can hijack an active session and assume the identity of a user.

7.4 Input Screen Layouts

❖ Admin Login



❖ Add New Admin

The screenshot shows the 'Add New Admin' interface. On the left, there is a sidebar with a dark olive-green background containing the 'Catbit's' logo at the top, followed by the 'MAIN MENU' and 'OPTIONS' sections. The 'MAIN MENU' section includes links for Dashboard, Admin, Managers, Distributors, Category, Products, and Feedback. The 'OPTIONS' section includes links for Setting and Help. At the top right of the main content area, there is a search bar with a magnifying glass icon and a user profile for 'Dev Patel' with a small profile picture. The main content area has a yellow header bar with the text 'ADMIN / ADD NEW ADMIN'. Below this, a modal window titled 'Add New Admin' is open. It contains a placeholder profile picture, a text input field with the name 'Abrar Patel', an email input field with the address 'abrar44120@gmail.com', two password input fields both showing '*****', and a green 'Add' button at the bottom.

❖ Add New Manager

The screenshot shows the 'Add New Manager' page of the Eatbit's system. The left sidebar has a dark olive-green background with white icons and text. It includes sections for 'MAIN MENU' (Dashboard, Admin, Managers, Distributors, Category, Products, Feedback) and 'OPTIONS' (Setting, Help). The main area has a light gray background. At the top right is a search bar with a magnifying glass icon and a user profile for 'Dev Patel'. The title 'MANAGER / ADD NEW MANAGER' is at the top center. The form itself has a title 'Add New Manager' and a placeholder image of a man. Fields include: Name ('Aumshiv Patel') and Email ('aump7380@gmail.com'); Password fields ('.....'); Gender ('Male') and Phone ('8238511736'); Address ('Katargam'); and State/City dropdowns ('Gujarat' and 'Surat'). A large green 'Add' button is at the bottom.

❖ Add Category or Sub-Category

The screenshot shows the Eatbit's Production and Distribution Management system interface. The left sidebar is titled "MAIN MENU" and includes links for Dashboard, Admin, Managers, Distributors, Category, Products, and Feedback. The "Category" link is currently selected, indicated by a yellow background. The top right corner shows a user profile for "Dev Patel".

The main content area has a yellow header bar with the text "CATEGORY / ADD NEW CATEGORY". Below it, there are two separate input forms:

- Add New Category:** A text input field containing "Chips" and a green "Add" button below it.
- Add New Sub-Categories:** A dropdown menu showing "Chips" and a text input field below it containing "Potato Chips", followed by a green "Add" button.

❖ Add New Product

The screenshot shows the Eatbit's Production and Distribution Management system interface. The top navigation bar includes the logo 'Eatbit's', a search bar, and a user profile for 'Dev Patel'. The main menu on the left is titled 'MAIN MENU' and lists options: Dashboard, Admin, Managers, Distributors, Category, Products, and Feedback. Below this is an 'OPTIONS' section with Setting and Help. The current page is 'PRODUCTS / ADD NEW PRODUCT'. The main content area is titled 'Add New Product' and displays a product image of 'Salted Chips' and a yellow bag labeled 'SALT & CHIPS'. Below the image are several input fields: 'Salted Chips' (highlighted), 'Product Not Found', 'Chips' (dropdown menu), 'Potato Chips' (dropdown menu), '3.2', '460.8', and '5'. A vertical scrollbar is visible on the right side of the content area.

❖ Add Raw Material Category or Raw Material

The screenshot shows the Eatbit's Production and Distribution Management system interface. The left sidebar has a dark brown background with the logo 'Eatbit's' at the top. Below it are sections for 'MAIN MENU' and 'OPTIONS'. Under 'MAIN MENU', there are links for Dashboard, Raw Materials (which is highlighted in yellow), Purchases, Production, Orders, and Feedback. Under 'OPTIONS', there are links for Setting and Help. At the top right, there is a search bar, a user profile icon for 'Ayush Patel', and a magnifying glass icon. The main content area has a yellow header bar with the text 'RAW MATERIALS / ADD NEW RAW MATERIALS'. Below this, there are two separate forms. The first form, titled 'Add New Raw Category', contains a single input field with the value 'Vegetable' and a large 'Add' button. The second form, titled 'Add New Raw Material', contains two input fields: one for 'Vegetable' with the value 'Potato' and another for a quantity with the value '50'. Both forms have a large 'Add' button at the bottom.

❖ Add New Purchases

The screenshot shows the Eatbit's Production and Distribution Management system interface. On the left is a dark brown sidebar menu with the following items:

- MAIN MENU
 - Dashboard
 - Raw Materials
 - Purchases
 - Production
 - Orders
 - Feedback
- OPTIONS
 - Setting
 - Help

The main header bar is orange and displays the logo "Eatbit's", a search bar, and a user profile for "Ayush Patel". The current page title is "PURCHASES / ADD NEW PURCHASES". A modal window titled "Add New Purchases" is open in the center, containing the following fields:

- A dropdown menu set to "Vegetable".
- A dropdown menu set to "Potato".
- A text input field containing the value "100".
- A date input field set to "28-03-2022".
- A large blue "Add" button at the bottom.

❖ Add Production

The screenshot shows the 'Add New Production' interface. At the top, there is a header bar with the 'EATBIT'S' logo, a search bar, and a user profile for 'Ayush Patel'. Below the header, the main menu includes options like Dashboard, Raw Materials, Purchases, Production (which is currently selected), Orders, and Feedback. Under the 'Production' heading, there are 'Setting' and 'Help' links. The central area is titled 'Add New Production' and contains a date input field set to '28-03-2022'. There are two dropdown menus: one for 'Chips' (selected) and another for 'Potato Chips'. Below these dropdowns are two input fields: 'Cream and Onion Chips ₹5' and '100'. A large 'Add' button is located at the bottom right of the form.

❖ Distributor Login



HOME PRODUCTS ABOUT US CONTACT DISTRIBUTOR



Distributor

Wrong Password

rajp2308@gmail.com

.....

LOGIN

Want to be a distributor? Click Here!

7.5 Output Reports

❖ Visitor Side-1

The screenshot shows the homepage of the Eatbit's website. At the top left is the logo "Eatbit's". At the top right are navigation links: HOME, PRODUCTS, ABOUT US, CONTACT, and DISTRIBUTOR. The main background color is orange. On the left side, there is a large white text area containing the headline "The Finest Potatoes Ever Fried!" and a subtext "Potato chips available where you are working". Below this is a button labeled "VISIT PRODUCTS". On the right side, there is a large image of a purple bag of "PERI PERI CHIPS" potato chips. A yellow banner at the bottom right contains the text "Cheering Your Good Food".

❖ Visitor Side-2

Eatbit's

HOME PRODUCTS ABOUT US CONTACT DISTRIBUTOR

Cream and Onion Chips



[Chips > Potato Chips](#)

Best Before-4 Months.

Ingredients-Potato, Salt, Edible Oil, Cream, Onion Powder

Available in :

Rs. 10

❖ Admin Dashboard

The screenshot displays the Eatbit's Admin Dashboard. On the left, a dark green sidebar menu lists categories like Dashboard, Admin, Managers, Distributors, Category, Products, and Feedback. Below these are Options, Setting, and Help. The main dashboard area has a yellow header bar with a search bar and a user profile for Dev Patel. The dashboard is divided into several sections: Categories (4 Active, 0 Deactive), Sub-Categories (6 Active, 5 Deactive), and Products (14 Active, 14 Deactive). A 'Monthly Sales' chart shows revenue trends from January to June. To the right, there are four boxes: Total Revenue (₹50,45,987), Visitors (6,578), Facebook Follower (1,169), and Instagram Follower (2,178). A Twitter Follower count is also listed below the Instagram one.

MAIN MENU

- Dashboard
- Admin
- Managers
- Distributors
- Category
- Products
- Feedback

OPTIONS

- Setting
- Help

DASHBOARD

Categories
4 Active-4 Deactive-0

Sub-Categories
6 Active-5 Deactive-1

Products
14 Active-14 Deactive-0

Monthly Sales

Month	Revenue (₹)
January	50,000
February	50,000
March	55,000
April	45,000
May	55,000
June	58,000

Total Revenue
₹50,45,987

Visitors
6,578

Facebook Follower
1,169

Instagram Follower
2,178

Twitter Follower

❖ Manager Distributor

The screenshot shows the 'Manage Distributor' section of the Eatbit's software. The left sidebar has a dark olive-green background with white icons and text. It includes sections for 'MAIN MENU' (Dashboard, Admin, Managers, Distributors, Category, Products, Feedback), 'OPTIONS' (Setting, Help), and a 'Search' bar at the top.

The main area has a yellow header bar with a user profile picture of Dev Patel and the text 'DISTRIBUTOR'. Below this is a table titled 'Manage Distributor' with the following data:

Sr No.	Name	Email	Password	Gender	Phone No.	Status	Action
1	Abrar	abrar@gmail.com	Surat@456	male	1234567890	Deactive	
2	Raj Purani	rajp2308@gmail.com	Rajp@1234	Male	8975486215	Deactive	
3	Kunal Patel	kp@gmail.com	Devb1242	male	1478523698	Active	
4	Keyur Patil	qwer@gmail.com	Swcv1242	other	1478523690	Deactive	
5	Manish Paul	fnr@gmail.com	Devb1242	male	2587410369	Active	
6	Devang	lsws@gmail.com	1472Deve	male	1598745632	Deactive	

❖ Manage Category

The screenshot shows the 'Manage Category' page of the Eatbit's system. The left sidebar has a dark olive-green background with white icons and text. It includes links for Dashboard, Admin, Managers, Distributors, Category, Products, Feedback, Setting, and Help. The main content area has a light green background and displays four categories: Chips, Cake, Namkeen, and Cookies. Each category card shows sub-categories and their product counts, along with edit, toggle, and delete buttons.

Category	Sub-Category	Products
Chips	Potato Chips	5
	Banana Chips	0
Cake	Swiss Roll	4
Namkeen	Chavanu	3
	Chivda	0
Cookies	Pie Cookies	2

❖ Manage Product

Eatbit's
Search
🔍
 Dev Patel

MAIN MENU
 PRODUCTS
+ PRODUCT

Dashboard
 Admin
 Managers
 Distributors
 Category
 Products
 Feedback

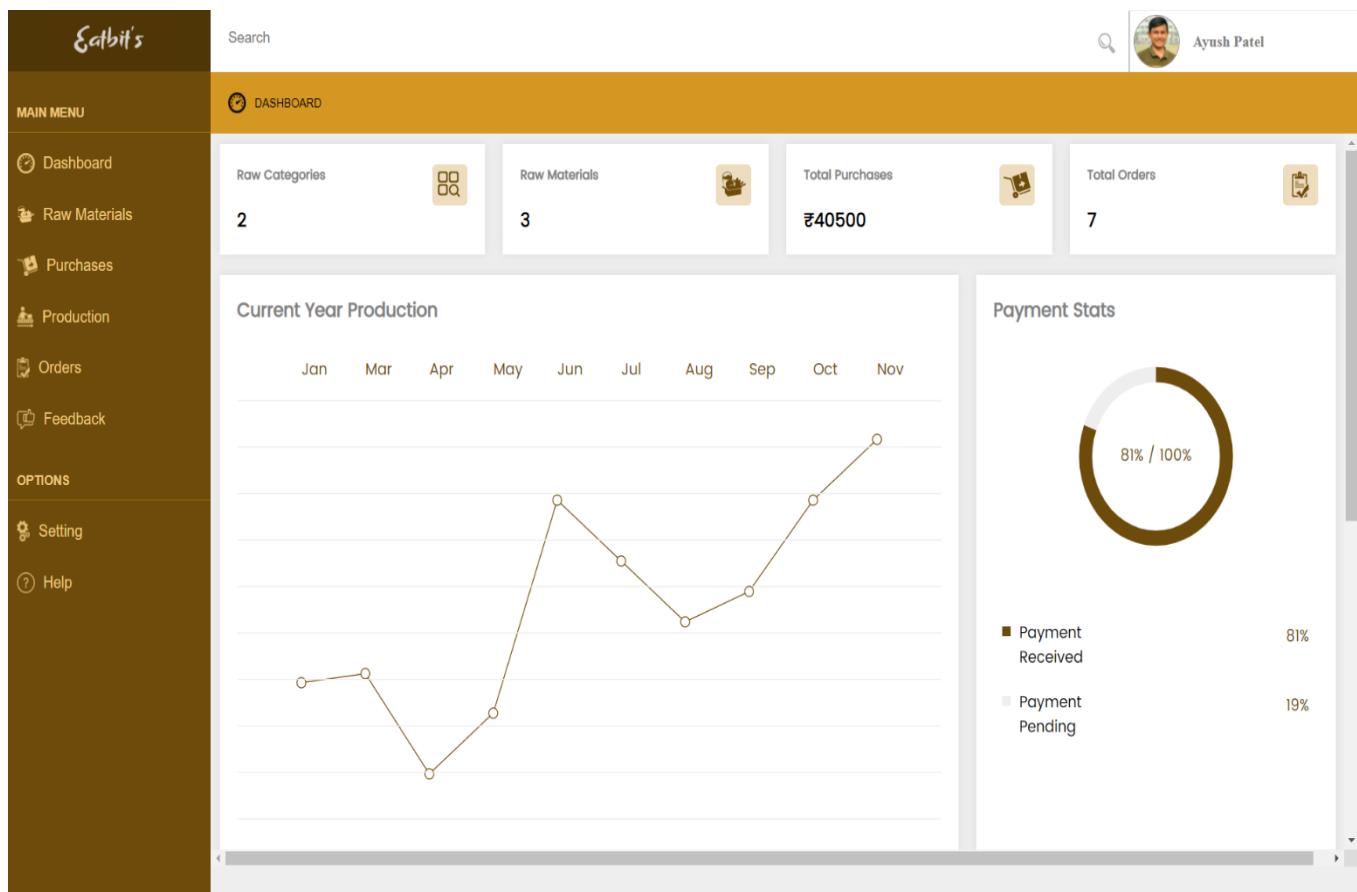
OPTIONS
 Setting
 Help

Manage Products

Filters
Select Category
Select Sub-Category
Select Product
Select Price
Filter
Clear

Sr No.	Image	Product Name	Ctg Name	Sub-Ctgty Name	Cost Price	MRP	Selling Price	Qty	Status	Action
1		Salted Chips	Chips	Potato Chips	₹3.75	₹5	₹540	593	Active	
2		Cream and Onion Chips	Chips	Potato Chips	₹7.8	₹10	₹561.6	499	Active	
3		Lemon and pepper Chips	Chips	Potato Chips	₹3.7	₹5	₹532.8	497	Active	
4		Masala Chips	Chips	Potato Chips	₹3.6	₹5	₹518.4	500	Active	

❖ Manager Dashboard



❖ Raw Material Purchase History

The screenshot shows the 'Raw Material Purchase History' page within the Eatbit's system. The interface includes a dark sidebar on the left with various menu items like Dashboard, Raw Materials, Purchases, Production, Orders, and Feedback. The main header has a search bar and a user profile for Ayush Patel. The top navigation bar has a 'PURCHASES' icon and a '+ PURCHASE' button. Below the header, the title 'Raw Material Purchase History' is displayed, followed by a 'Filters' section with dropdowns for 'Select Category' and 'Select Raw Material', and date pickers for 'dd-mm-yyyy' and 'To dd-mm-yyyy'. There are also 'Filter' and 'Clear' buttons. The main content area is a table with the following data:

Sr No.	Raw Material	Raw Category	Raw Quantity [kg/lt]	DOP
1	Potato	Vegetable	200	2022-03-08
2	salt	Spices	150	2022-03-12
3	tomato	Vegetable	100	2022-03-18
4	tomato	Vegetable	200	2022-03-18
5	salt	Spices	400	2022-03-22

❖ Manage Order

The screenshot shows the 'Manage Order' page of the Eatbit's system. The left sidebar, titled 'MAIN MENU', includes links for Dashboard, Raw Materials, Purchases, Production, Orders, and Feedback. The 'OPTIONS' section contains links for Setting and Help. The top right features a search bar, a user profile for Ayush Patel, and a magnifying glass icon. The main content area, titled 'ORDERS', displays six order cards in a grid:

Order ID	Enterprise Name	Location	Contact Number
1234567890	Raj Enterprise	Surat	1234567890
8975486215	Purani Enterprise	Surat	8975486215
1478523698	bxkv	Surat	1478523698
1478523690	c xcb	Surat	1478523690
2587410369	cjbv	Surat	2587410369
1598745632	lkxcb	Surat	1598745632

Each card has a 'View' button at the bottom.

8. TESTING REPORT

8.1 Testing Levels

❖ Integration Testing:

- ✓ Integration testing is a systematic technique for constructing the program structure while conducting test to uncover errors associated with interfacing. The objective is to take unit tested module and build a program structure that has been dictated by design.
- ✓ After our individual modules were tested out, we go to the integrated to create a complete project. This integration process involves building the software and testing the resultant software for problems that arise from component interactions.

❖ Black Box Testing:

- ✓ As s/w functions are operational, the set of input conditions. Exercising all functional requirements will be derived to uncover the different class of the behavioural errors such as incorrect functions, incorrect interfaces, external data structure errors, performance errors and termination errors.

❖ White Box Testing:

- ✓ Based on the control structure of the procedural design, the logical paths are been exercised with specific set of conditions, loops at boundaries to examine the validity of the internal data structures.

❖ Alpha Testing:

- ✓ The development site, the customer conducts an alpha test under the natural settings to record the errors and usage problems.

❖ Beta Testing:

- ✓ At the customer site, the end-user conducts the “live” application test in customer environment to encounter the problems to be modified before product release.

❖ **System Testing:**

As the s/w is to be integrated with other system elements, system testing focuses on a validating the system integration by,

- ✓ **Recovery Testing:** To assure proper recovery
- ✓ **Security Testing:** To protect the improper penetration
- ✓ **Stress Testing:** To confront the program with abnormal resources such as quantity, frequency or volume.

A test case has a component that describes an input, action, or event and an expected response, to determine if a feature of an application is working correctly. Various test cases for this web application are tested on different browsers. (Google chrome, Mozilla Firefox).

8.2 Test Case Design

Test Case 1: Login Verification

Sr No.	Field Name	Invalid	Valid	Message
1.	a_email	xyz.com	xyz@gmail.com	Invalid email
2.	a_pwd	NULL	Abcd1234	Password must contain at least 1 uppercase, 1 lower, 1 number and at least 8 characters
3.	a_status	Null	Allow	Admin is Active.

Test Case 2: Manager Details

Sr No.	Field Name	Invalid	Valid	Message
1.	m_name	Null	Xyz	Enter Manager name.
2.	m_email	Abc.com	abc@gmail.com	Please enter valid email.
3.	m_pwd	Abc124	Abcd1234	Password must contain at least 1 uppercase, 1 lower, 1 number and at least 8 characters.
4.	m_gender	Null	Male	Enter manager your Gender.
5.	m_phone	12345	7410174101	Enter valid phone number.
6.	m_address	Null	Sliver street	Enter manager your address.
7.	m_city	Null	Ahmedabad	Select City.

Test Case 3: Distributor Registration

Sr No.	Field Name	Invalid	Valid	Message
1.	d_name	Null	Xyz	Please enter name.
2.	d_email	xyz.com	xyz@gmail.com	Invalid email.
3.	d_pwd	NULL	Abcd1234	Password must contain at least 1 uppercase, 1 lower, 1 number and at least 8 characters.
4.	d_gender	Null	Male	Please enter your gender.
5.	d_phone	Null/1234	1234567890	Please enter valid number.
6.	d_address	Null	pqr street	Please enter your address.
7.	d_city	Null	Surat	Please select your city.
8.	d_state	Null	Gujarat	Please select your state.
9.	d_dob	Null	26/11/2001	Please enter you Date of Birth.
10.	d_agency	Null	Xyz Enterprise	Please enter your agency name.
11.	d_ag_add	Null	Gold street	Please enter your agency address.
12.	ag_city	Null	Rajkot	Please select your agency city.
13.	ag_state	Null	Gujarat	Please select your agency state.

Test Case 4: Product Category Details

Sr No.	Field Name	Invalid	Valid	Message
1.	c_name	Null	Chips	Enter valid category name.

Test Case 5: Product Sub-Category Details

Sr No.	Field Name	Invalid	Valid	Message
1.	cat_id	Null	Chips	Select Category.
2.	sc_name	Null	Potato chips	Enter valid sub-Category name.

Test Case 6: Product Details

Sr No.	Field Name	Invalid	Valid	Message
1.	p_name	Null	Salted Chips	Enter Product name.
2.	cat_id	Null	Chips	Select Category.
3.	sc_name	Null	Potato chips	Select sub-Category.
4.	cost_price	Null	₹3.75	Enter Cost price.
5.	sale_price	Null	₹540	Enter Selling Price.
6.	p_price	Null	₹5	Enter product MRP.
7.	p_info	Null	Xyz	Enter product information.

Test Case 7: Raw Materials Category Details

Sr No.	Field Name	Invalid	Valid	Message
1.	raw_cat_name	Null	Vegetable	Enter Raw-Category name.

Test Case 8: Raw Materials Details

Sr No.	Field Name	Invalid	Valid	Message
1.	raw_cat_id	Null	Vegetable	Select Raw-Category.
2.	raw_name	Null	Potato	Enter valid Raw Material name.
3.	min_qty	Null	50 kg	Enter Minimum Raw Material Quantity.

Test Case 9: Purchase Details

Sr No.	Field Name	Invalid	Valid	Message
1.	raw_cat_id	Null	Vegetable	Select Raw-Category.
2.	raw_id	Null	Potato	Select Raw Material.
3.	pur_qty	Null	50 kg	Enter Raw Material Purchase Quantity.
4.	pur_amt	Null	₹1500	Enter Raw Material Purchase Price.

Test Case 10: Production Details

Sr No.	Field Name	Invalid	Valid	Message
1.	cat_id	Null	Chip	Select Product Category.
2.	sc_id	Null	Potato	Select Product Sub-Category.
3.	p_id	Null	Salted Chips	Select Product.
4.	pd_qty	Null	150 Box	Enter Product Production Quantity.

9. LIMITATION OF PROPOSED SYSTEM

Here are some limitations of Proposed System,

- ✓ The maintenance of the system is slighter costly than manual system so maintainability of the system is cost effective.
- ✓ Difficult to find correct information of distributor or user.
- ✓ The system is based on electronic media so cost of electricity should be increased.
- ✓ For this system we must appoint the specialized knowledgeable administrator so salary for them also be cost effective problem.
- ✓ The system is working on the server so validate data should be entered in database. If admin would not knowledgeable so data in the database are inadequate and it was worth less.
- ✓ The hacker can easily hack the system and gets server down and then the important data are corrupted.
- ✓ If proper information is not given by distributor, then their order will not deliver at their door step.
- ✓ If manager does not enter correct information related to production, then there can be improper product quantity.
- ✓ It is compulsory for admin, manager and distributor to have basic computer knowledge, because it is fully accessed by computer.

10.FUTURE ENHANCEMENT

- ✓ We can add multiple level security and uses the high technology for reducing security issues and make system stronger.
- ✓ In future we can add ratings feature for products, so that visitor can give rating to their favourite products.
- ✓ We can make web application more user-friendly means understandable interface by more advanced system and higher compatibility.
- ✓ In future we can add more payment methods like net banking, UPI payment, etc.
- ✓ We can add multiple level security and uses the high technology for reducing security issues and make system stronger.
- ✓ We can add notification system, so that when distributor places order or delivered order he/she receives message through email, or SMS.

11.JUSTIFICATION OF SYSTEM AS MIS AND DSS

- ✓ The Eatbit's Production and Distribution Management is a Management Information System. This system provides various features to manage all the details related to distributor, manager, products which are managed by admin and raw materials, purchases, productions, orders are managed by manager.
- ✓ As per distributor requirement order records are generated, so that distributor can check payment status easily.
- ✓ So, we can categorize the system as MIS. As a system in MIS, it can be Decision Support System, which helps in taking decisions easily.

12. REFERENCES

- ✓ <https://www.w3schools.com/php>
- ✓ <https://www.geeksforgeeks.org/category/php-programs/>
- ✓ <https://www.tutorialspoint.com/css/index.htm>
- ✓ <https://javascript.info/>
- ✓ <https://www.balajiwafers.com/>
- ✓ <https://www.doritos.com/>
- ✓ <https://en.wikipedia.org/wiki/PHP>