

THE LNM INSTITUTE OF INFORMATION TECHNOLOGY

IDBMS PROJECT

Shop Management System

Submitted to

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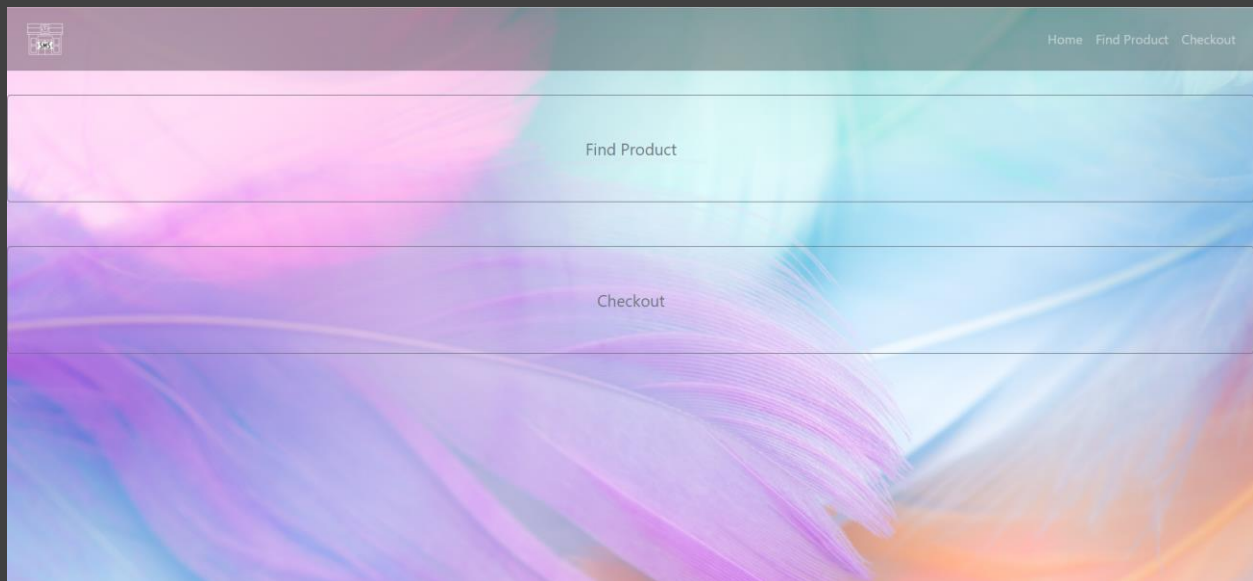
20UCS216

IDBMS Project

The project at present runs locally using any Python IDE. The weblink created by IDE is generally localhost:5000. Below is the functioning of the website.

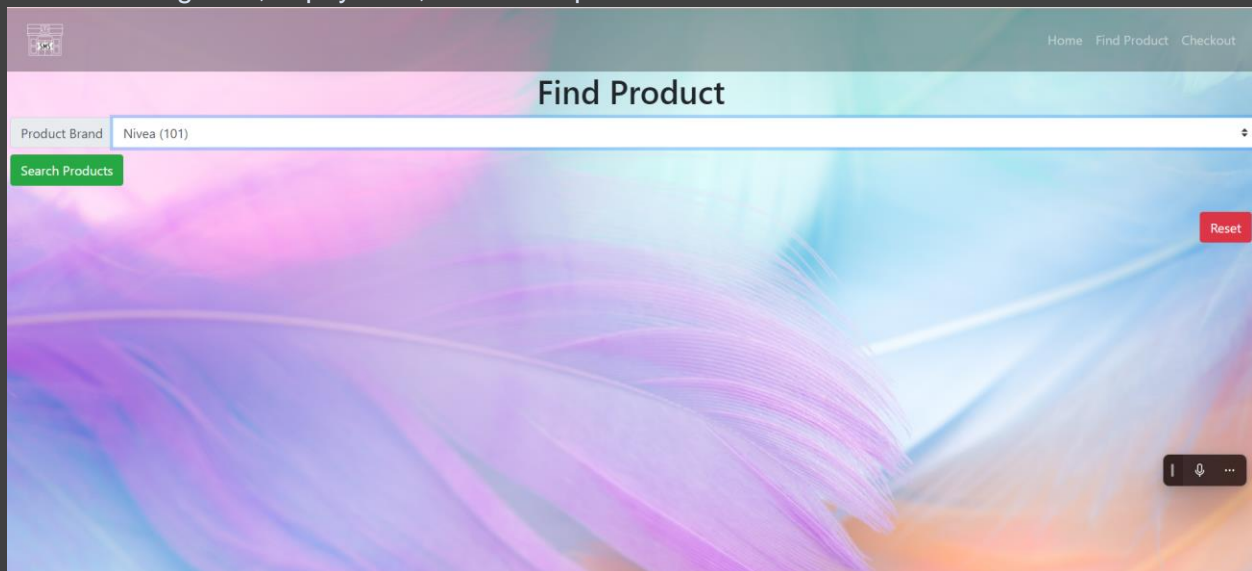
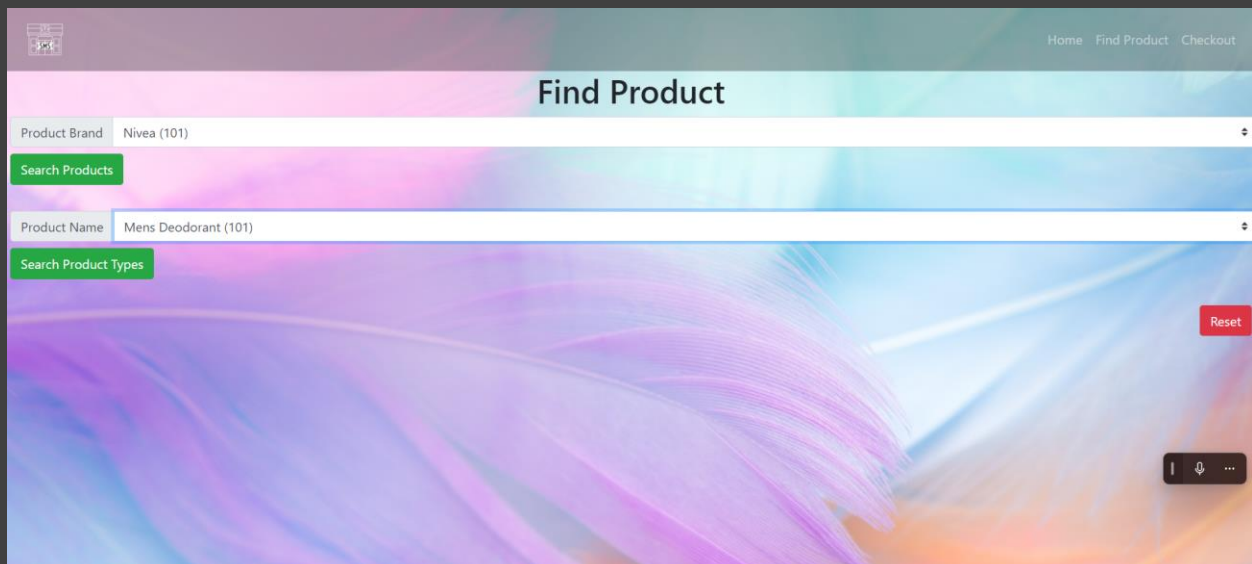
localhost:5000/ or localhost:5000/home

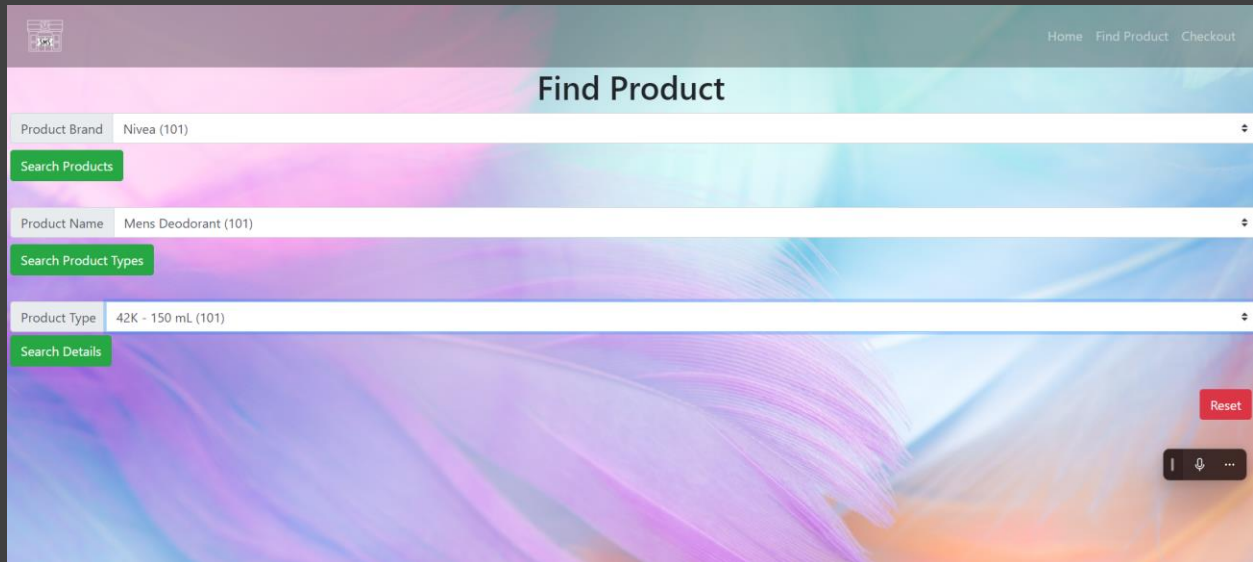
It contains the links accessible to employees and users.



localhost:5000/findproduct

It asks the users for three pieces of information. First, the brand of the product. Second, the product name. Third, the type of the product (like its volume, grams, etc.). After the user gives the three pieces of information, it gives the users details about the product namely its price, manufacturing date, expiry date, number of products in stock.

This screenshot shows the "Find Product" form with the "Product Brand" field filled with "Nivea (101)". The "Search Products" button is highlighted in green. The background of the form is a vibrant, abstract image of purple and blue feathers. In the top right corner, there are navigation links: "Home", "Find Product", and "Checkout". A red "Reset" button is located on the right side of the form. At the bottom right, there is a small black button with a downward arrow and three dots.This screenshot shows the "Find Product" form with the "Product Name" field filled with "Mens Deodorant (101)". The "Search Product Types" button is highlighted in green. The background of the form is the same vibrant, abstract image of purple and blue feathers. In the top right corner, there are navigation links: "Home", "Find Product", and "Checkout". A red "Reset" button is located on the right side of the form. At the bottom right, there is a small black button with a downward arrow and three dots.

A web form titled "Find Product" with a background image of colorful feathers. The form has three input sections: "Product Brand" with "Nivea (101)" selected, "Product Name" with "Mens Deodorant (101)" selected, and "Product Type" with "42K - 150 mL (101)" selected. Each section has a green "Search" button. A red "Reset" button is on the right. A small toolbar with a list icon, a download icon, and a menu icon is at the bottom right.

Home Find Product Checkout

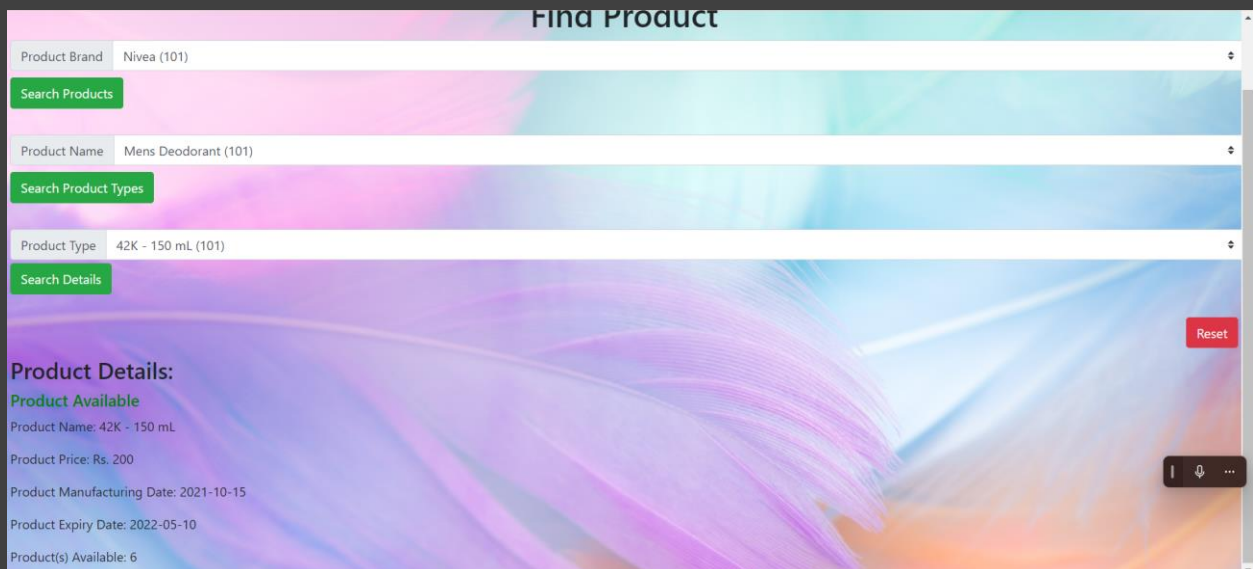
Find Product

Product Brand Nivea (101) Search Products

Product Name Mens Deodorant (101) Search Product Types

Product Type 42K - 150 mL (101) Search Details

Reset

A web form titled "Find Product" showing the details of a selected product. The form has the same three input sections as the previous one, but the "Search Details" button is now active. Below the input sections, the product details are displayed: "Product Available", "Product Name: 42K - 150 mL", "Product Price: Rs. 200", "Product Manufacturing Date: 2021-10-15", "Product Expiry Date: 2022-05-10", and "Product(s) Available: 6". A red "Reset" button is on the right. A small toolbar with a list icon, a download icon, and a menu icon is at the bottom right.

Find Product

Product Brand Nivea (101) Search Products

Product Name Mens Deodorant (101) Search Product Types

Product Type 42K - 150 mL (101) Search Details

Reset

Product Details:
Product Available
Product Name: 42K - 150 mL
Product Price: Rs. 200
Product Manufacturing Date: 2021-10-15
Product Expiry Date: 2022-05-10
Product(s) Available: 6

Find Product

Product Brand

Nivea (101)

Search Products

Product Name

Mens Face Wash (102)

Search Product Types

Product Type

Acne - 100 mL (102)

Search Details

Reset

Product Details:

Product Not Available

Product Name: Acne - 100 mL

Product Price: Rs. 159

Product Manufacturing Date: 2021-10-24

Product Expiry Date: 2022-04-24

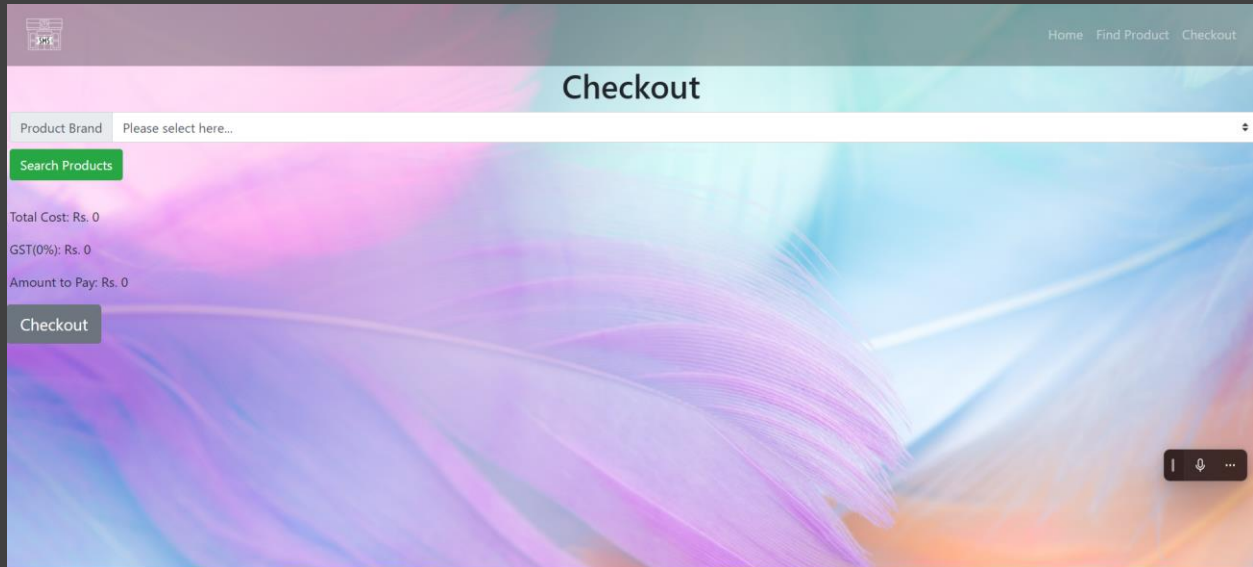
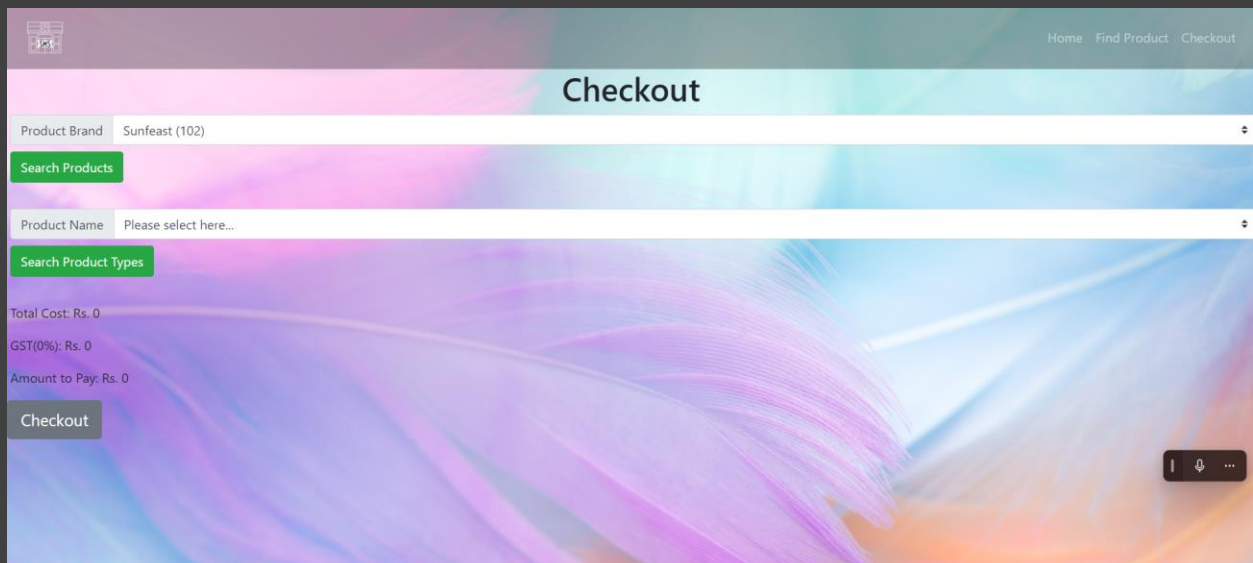
Product(s) Available: 0

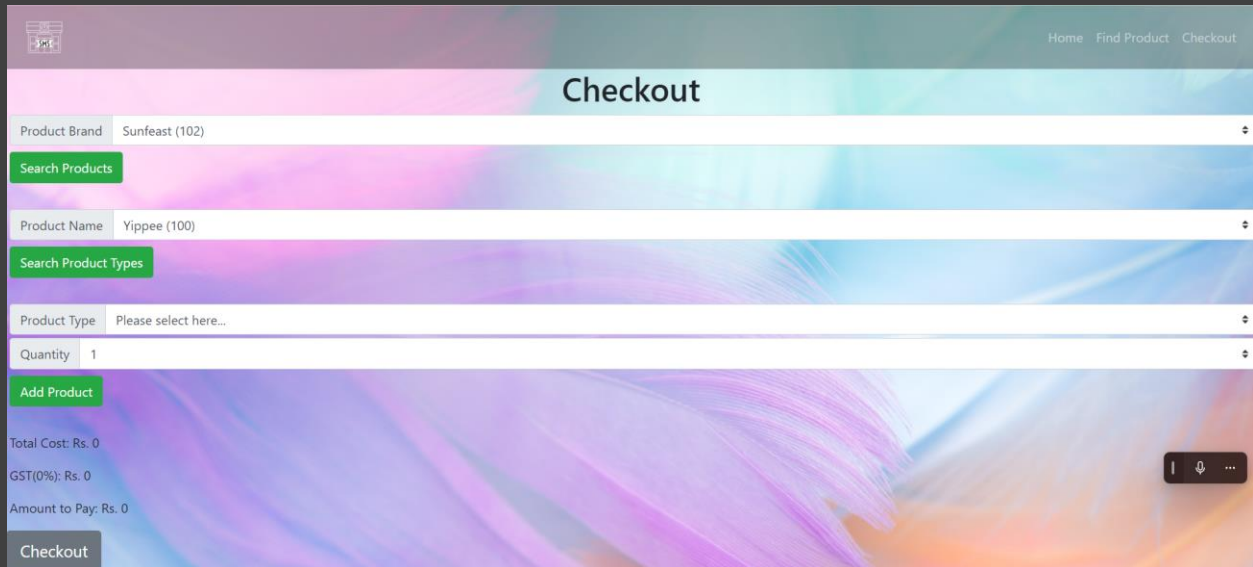
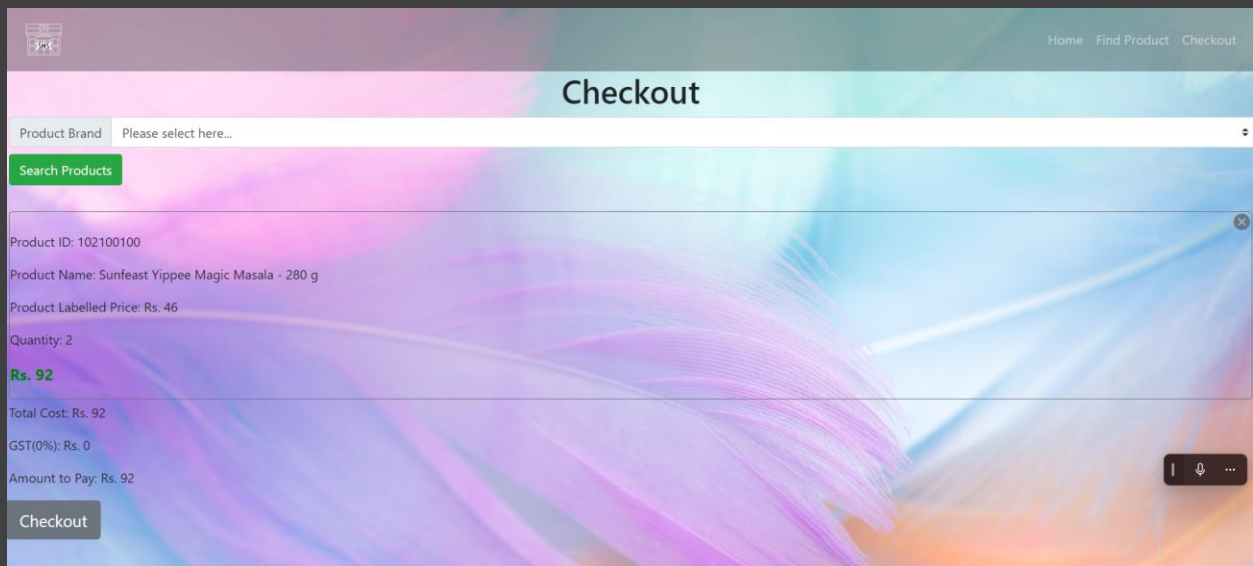
Download

localhost:5000/checkout

It is used by employees to sell the product and could also be used by users to get the total price of the products he/she needs to buy.

For the checkout, the employee needs to enter the password to confirm the sale of the product.

This screenshot shows the checkout page with a purple and blue feather background. At the top right, there are links for "Home", "Find Product", and "Checkout". The main heading "Checkout" is centered. Below it, the "Product Brand" dropdown menu is open, showing "Please select here...". A green "Search Products" button is visible. On the left, the summary shows "Total Cost: Rs. 0", "GST(0%): Rs. 0", and "Amount to Pay: Rs. 0". A grey "Checkout" button is at the bottom left. A small dark bar with a magnifying glass icon and three dots is at the bottom right.This screenshot shows the checkout page after a selection. The "Product Brand" dropdown now displays "Sunfeast (102)". Below it, the "Product Name" dropdown is also open, showing "Please select here...". A green "Search Product Types" button is visible. The summary on the left remains the same: "Total Cost: Rs. 0", "GST(0%): Rs. 0", and "Amount to Pay: Rs. 0". The grey "Checkout" button is still at the bottom left, and the dark bar with the magnifying glass icon is at the bottom right.

This screenshot shows the 'Checkout' page of a web application. The page has a header with a logo and navigation links: 'Home', 'Find Product', and 'Checkout'. The main heading is 'Checkout'. Below it, there are four input fields: 'Product Brand' (containing 'Sunfeast (102)'), 'Product Name' (containing 'Yippee (100)'), 'Product Type' (containing 'Please select here...'), and 'Quantity' (containing '1'). Each input field has a green 'Search' button below it. At the bottom left, there are three lines of text: 'Total Cost: Rs. 0', 'GST(0%): Rs. 0', and 'Amount to Pay: Rs. 0'. A green 'Add Product' button is located below the 'Quantity' field. A dark 'Checkout' button is at the bottom left. On the right side, there is a dark button with a download icon and a menu icon.This screenshot shows the 'Checkout' page with product details displayed. The 'Product Brand' field is empty, and the 'Search Products' button is highlighted. Below the input fields, a product details box is shown with the following information: 'Product ID: 102100100', 'Product Name: Sunfeast Yippee Magic Masala - 280 g', 'Product Labelled Price: Rs. 46', and 'Quantity: 2'. The price 'Rs. 92' is displayed in green. Below the product details box, the text 'Total Cost: Rs. 92', 'GST(0%): Rs. 0', and 'Amount to Pay: Rs. 92' is shown. A green 'Add Product' button is located below the 'Quantity' field. A dark 'Checkout' button is at the bottom left. On the right side, there is a dark button with a download icon and a menu icon.

Checkout

Product Brand

Please select here...

Search Products

Product ID: 102100100

Product Name: Sunfeast Yippee Magic Masala - 280 g

Product Labelled Price: Rs. 46

Quantity: 2

Rs. 92

Product ID: 103103122

Product Name: Bingo Tedhe Medhe Cocktail Mix 180g

Product Labelled Price: Rs. 50

Quantity: 1

Rs. 50

Product ID: 101101101

Product Name: Nivea Mens Deodorant 42K - 150 mL

Product Labelled Price: Rs. 200

Quantity: 3


Rs. 600

Total Cost: Rs. 742

GST(0%): Rs. 0

Amount to Pay: Rs. 742

Checkout



Home Find Product Checkout

Checkout

Product Brand

Please select here...

Search Products

Product ID: 102100100

Product Name: Sunfeast Yippee Magic Masala - 280 g

Product Labelled Price: Rs. 46

Quantity: 2

Rs. 92

Product ID: 101101101

Product Name: Nivea Mens Deodorant 42K - 150 mL

Product Labelled Price: Rs. 200

Quantity: 3

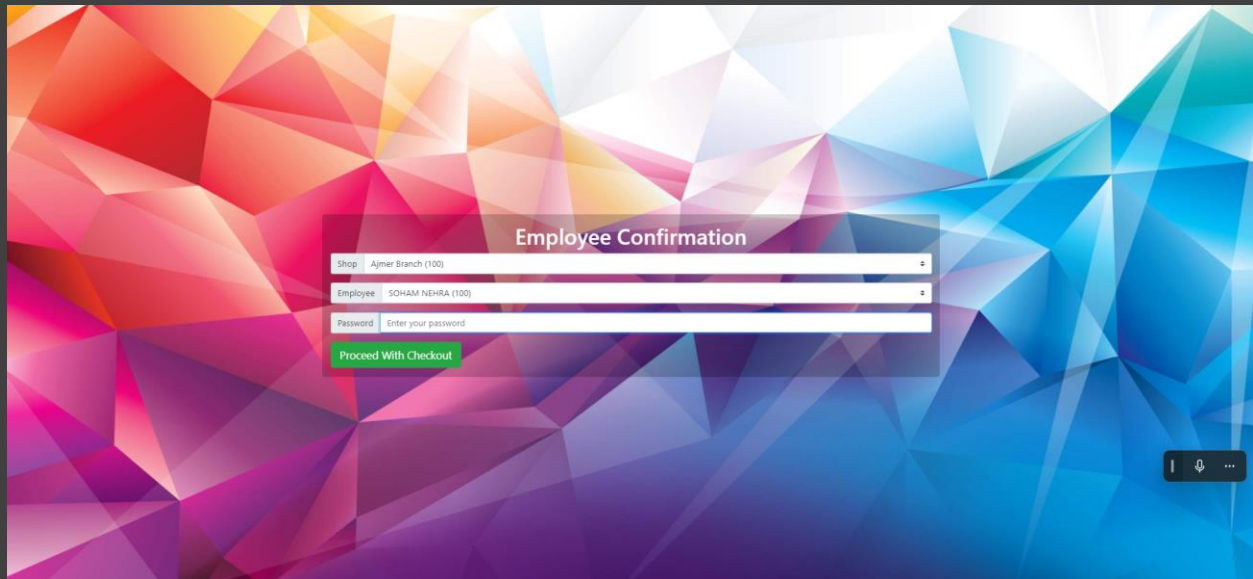
Rs. 600

Total Cost: Rs. 692

GST(0%): Rs. 0

Amount to Pay: Rs. 692

Checkout



Employee Confirmation

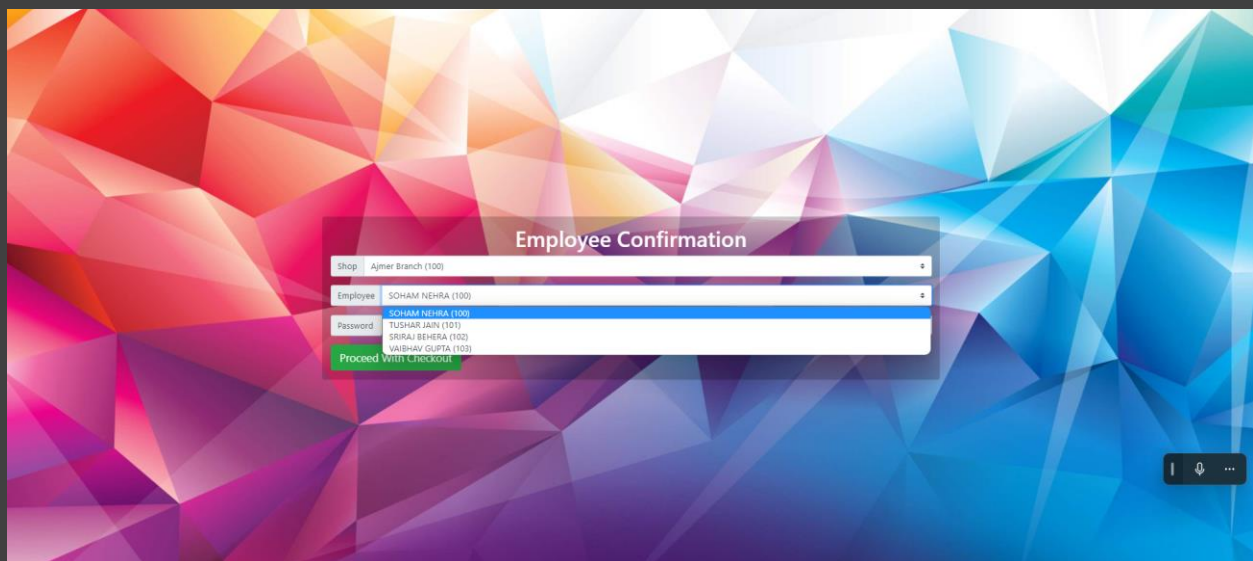
Shop: Ajmer Branch (100)

Employee: SOHAM NEHRA (100)

Password: Enter your password

Proceed With Checkout

Download icon



Employee Confirmation

Shop: Ajmer Branch (100)

Employee: SOHAM NEHRA (100)

Password: TUSHAR JAIN (101)
SIRPAI BHERA (102)
VAIBHAV GUPTA (103)

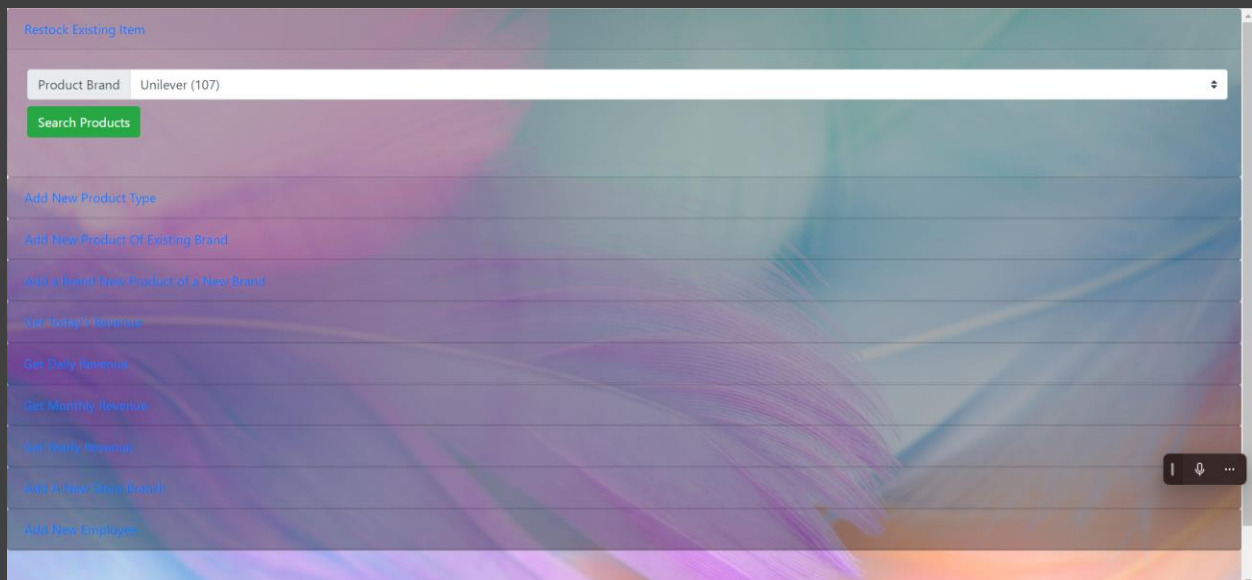
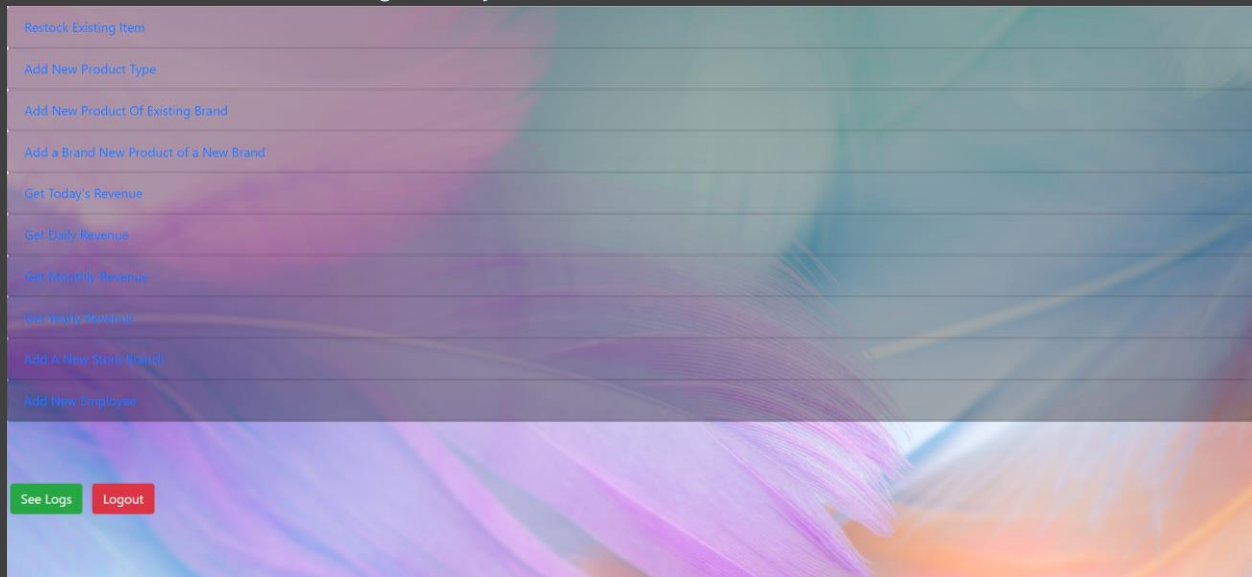
Proceed With Checkout

Download icon

IDBMS Project

localhost:5000/admin

It is used for the job exclusive to the administrator. It includes adding and restocking of the product, getting today's/date/monthly/yearly revenue and to see the logs. To access the page the administrator needs to login every once the browser runs.



Restock Existing Item

Add New Product Type

Product Brand Unilever (107)

Search Products

Add New Product Of Existing Brand

Add a Brand New Product of a New Brand

Get Today's Revenue

Get Daily Revenue

Get Monthly Revenue

Get Yearly Revenue

Add a New Stock Branch

Add New Employee

Restock Existing Item

Add New Product Type

Add New Product Of Existing Brand

Product Brand Unilever (107)

Product Name Product Name

Product Type Product Type

Price Price

Quantity 1

Manufacturing Date dd-mm-yyyy

Expiry Date dd-mm-yyyy

Add Product

Add a Brand New Product of a New Brand

Get Today's Revenue

Get Daily Revenue

IDBMS Project

[Restock Existing Item](#)

[Add New Product Type](#)

[Add New Product Of Existing Brand](#)

[Add a Brand New Product of a New Brand](#)

Product Brand	<input type="text" value="Product Brand"/>
Product Name	<input type="text" value="Product Name"/>
Product Type	<input type="text" value="Product Type"/>
Price	<input type="text" value="Price"/>
Quantity	<input type="text" value="1"/>
Manufacturing Date	<input type="text" value="dd-mm-yyyy"/>
Expiry Date	<input type="text" value="dd-mm-yyyy"/>

Add Product

[Get Today's Revenue](#)

[Get Daily Revenue](#)

[Restock Existing Item](#)

[Add New Product Type](#)

[Add New Product Of Existing Brand](#)

[Add a Brand New Product of a New Brand](#)

[Get Today's Revenue](#)

Get

Today's Revenue: Rs. 138

[Get Daily Revenue](#)

[Get Monthly Revenue](#)

[Get Yearly Revenue](#)

[Add A New Brand Product](#)

[Add New Employee](#)

IDBMS Project

Restock Existing Item

Add New Product Type

Add New Product Of Existing Brand

Add a Brand New Product of a New Brand

Get Today's Revenue

Get Daily Revenue

dd-mm-yyyy

Re-Enter Password

Get

This Year's Revenue: Rs. 138

Get Monthly Revenue

Get Yearly Revenue

Add a New Shop Branch

Add New Employee

Restock Existing Item

Add New Product Type

Add New Product Of Existing Brand

Add a Brand New Product of a New Brand

Get Today's Revenue

Get Daily Revenue

Get Monthly Revenue

January

2015

Re-Enter Password

Get

This Month's Revenue: Rs. 138

Get Yearly Revenue

Add a New Shop Branch

Add New Employee

[Restock Existing Item](#)
[Add New Product Type](#)
[Add New Product Of Existing Brand](#)
[Add a Brand New Product of a New Brand](#)
[Get Today's Revenue](#)
[Get Daily Revenue](#)
[Get Monthly Revenue](#)
[Get Yearly Revenue](#)

2015

Re-Enter Password

Get

This Year's Revenue: Rs. 138

[Add A New Store Branch](#)
[Add New Employee](#)

[Restock Existing Item](#)
[Add New Product Type](#)
[Add New Product Of Existing Brand](#)
[Add a Brand New Product of a New Brand](#)
[Get Today's Revenue](#)
[Get Daily Revenue](#)
[Get Monthly Revenue](#)
[Get Yearly Revenue](#)
[Add A New Store Branch](#)

Branch Name

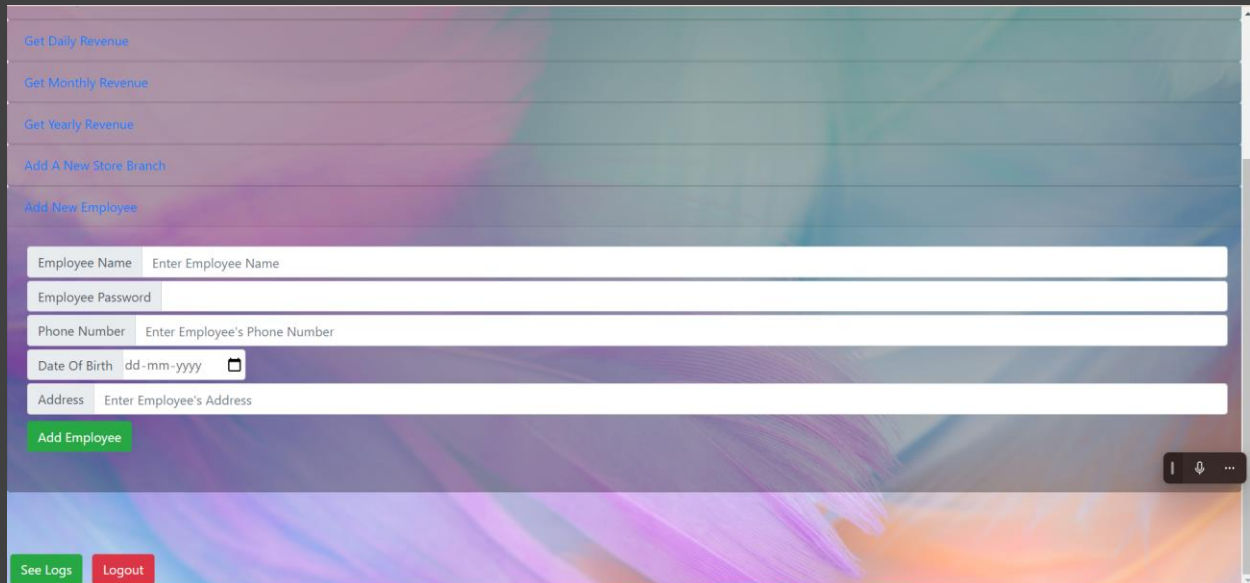
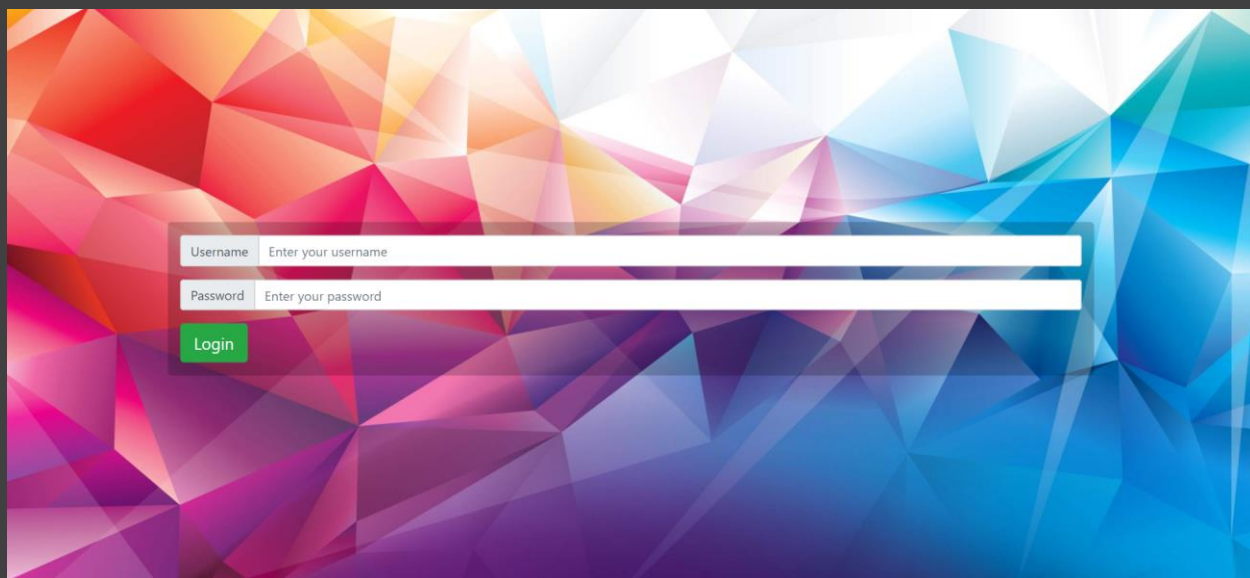
Enter Branch Name

Branch Address

Enter Branch Address

Add Branch

[Add New Employee](#)

A screenshot of a web application interface for employee management. The background is a colorful, abstract geometric pattern. On the left side, there is a vertical menu with several links: "Get Daily Revenue", "Get Monthly Revenue", "Get Yearly Revenue", "Add A New Store Branch", and "Add New Employee". The "Add New Employee" link is highlighted. The main content area contains a form with the following fields: "Employee Name" (with placeholder text "Enter Employee Name"), "Employee Password", "Phone Number" (with placeholder text "Enter Employee's Phone Number"), "Date Of Birth" (with a date picker showing "dd-mm-yyyy"), and "Address" (with placeholder text "Enter Employee's Address"). Below these fields is a green "Add Employee" button. At the bottom left, there are two buttons: "See Logs" (green) and "Logout" (red). At the bottom right, there is a small black button with a download icon and a menu icon.A screenshot of a web application interface for user login. The background is a colorful, abstract geometric pattern. In the center, there is a login form with two input fields: "Username" (with placeholder text "Enter your username") and "Password" (with placeholder text "Enter your password"). Below these fields is a green "Login" button.

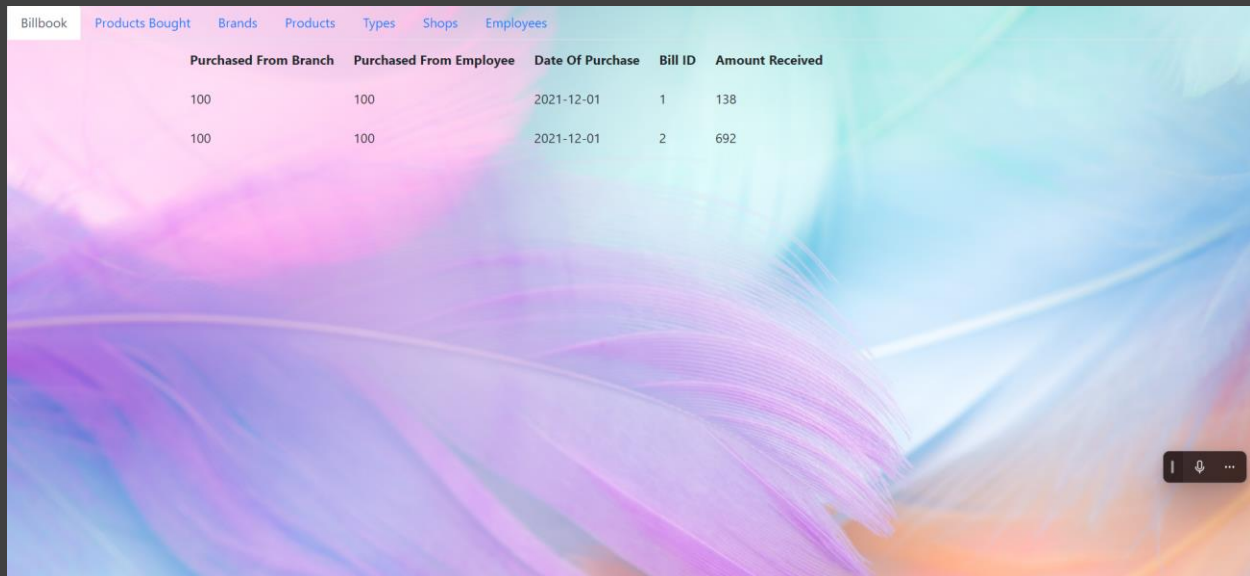


A login form is displayed against a vibrant, multi-colored geometric background. The form consists of two input fields: 'Username' with the value 'N3GROUP2' and 'Password' with masked characters '*****'. Below these fields is a green 'Login' button.

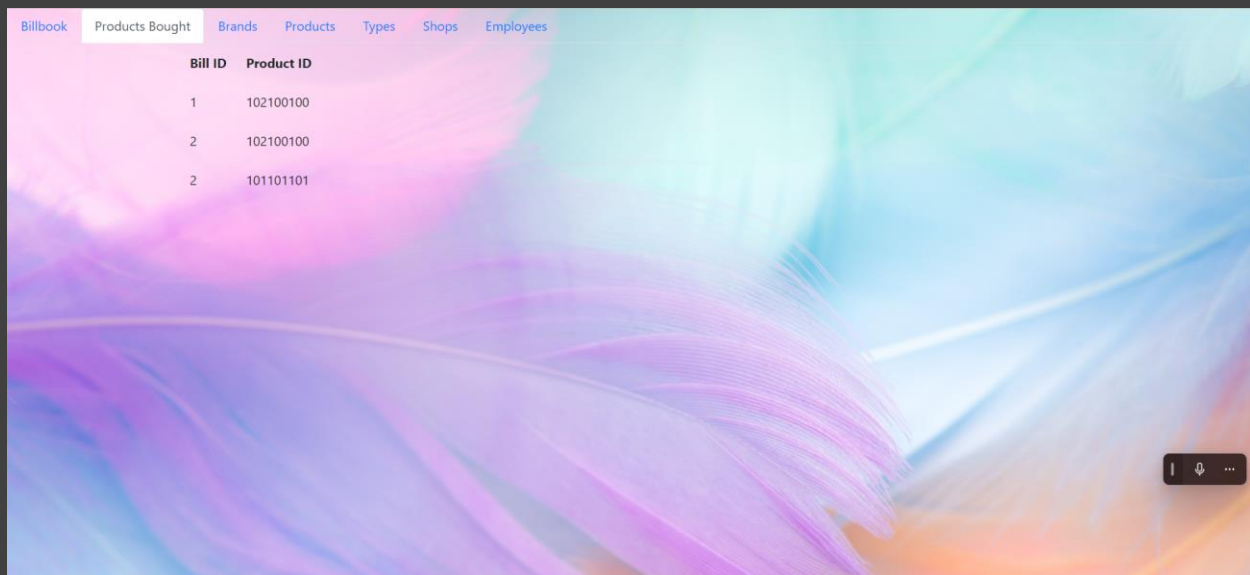
Username	N3GROUP2
Password	*****
<input type="button" value="Login"/>	

localhost:5000/logs

It is basically the whole database available in tabular format to the administrator. Accessing this also needs administrator verification.

A screenshot of a web application interface showing a table of purchase data. The table has five columns: 'Purchased From Branch', 'Purchased From Employee', 'Date Of Purchase', 'Bill ID', and 'Amount Received'. The background of the application is a colorful, abstract feather pattern. The 'Billbook' tab is selected in the top navigation bar.

Purchased From Branch	Purchased From Employee	Date Of Purchase	Bill ID	Amount Received
100	100	2021-12-01	1	138
100	100	2021-12-01	2	692

A screenshot of the same web application interface, but showing a different table. The table has two columns: 'Bill ID' and 'Product ID'. The 'Products Bought' tab is selected in the top navigation bar.

Bill ID	Product ID
1	102100100
2	102100100
2	101101101

Billbook	Products Bought	Brands	Products	Types	Shops	Employees
	Product ID	Product Name	Brand ID			
	100	Yippee	102			
	101	Mens Deodorant	101			
	102	Mens Face Wash	101			
	103	Tedhe Medhe	103			
	104	Hand Rub Liquid	106			
	105	Vaseline	107			
	106	Hair Oil	108			
	107	Optifast	105			
	108	Kitkat	105			
	109	Dark Milk	104			
	110	Dairy Milk Silk	104			
	111	Bournville	104			
	112	Dairy Milk	104			

Billbook	Products Bought	Brands	Products	Types	Shops	Employees
Type ID	Name Of Type	Cost	Manufacturing Date	Expiry Date	Products Available	Product ID
100	Magic Masala - 280 g	46	2021-10-10	2022-10-10	0	100
101	42K - 150 mL	200	2021-10-15	2022-05-10	3	101
102	Acne - 100 mL	159	2021-10-24	2022-04-24	0	102
103	Protect&Care - 150 mL	119	2021-08-15	2022-02-15	8	101
104	Oil Control - 100 mL	159	2021-10-22	2022-04-22	10	102
105	Oil Control, 10x Vitamin C - 100 mL	159	2021-10-23	2022-04-23	1	102
108	200 mL	100	2020-05-01	2022-04-30	10	104
109	Skin Protecting Gel - 50mL/42gm	79	2021-07-01	2024-06-30	5	105
110	Amla - 200 mL	80	2020-12-01	2022-11-30	4	106
111	400g Pet Jar Pack (Vanilla Flavour)	1399	2021-11-01	2022-10-31	5	107
112	400g Pet Jar Pack (Chocolate Flavour)	1499	2021-09-01	2022-08-30	0	107
113	Kitkat 3 Fingers Bar- 770g (Pack of 28)	504	2020-02-01	2021-01-31	5	108
114	Kitkat Pack of 36 pc Of 2 fingers Each Made In UK	700	2020-02-01	2021-01-30	0	108

Billbook

Products Bought

Brands

Products

Types

Shops

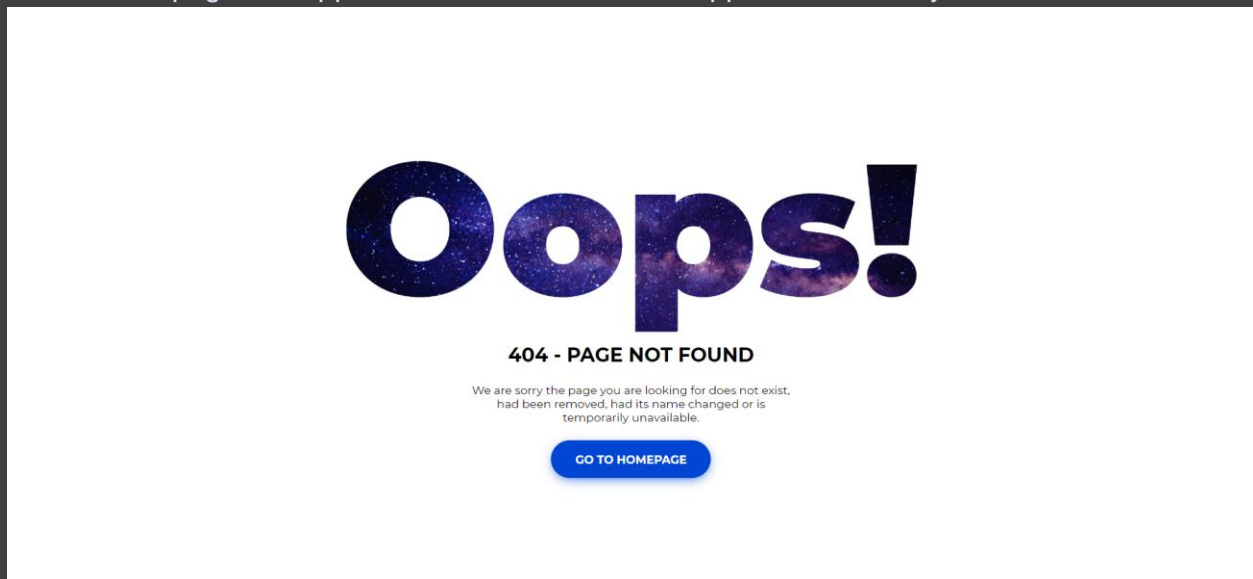
Employees

Shop ID	Name Of Shop	Address Of Shop
100	Ajmer Branch	Naka Madar, Ajmer - 305007
101	Jaipur Branch	The LNM Institute of Information Technology, Jaipur - 302031
102	Kota Branch	Talwandi, Kota - 324005

Billbook	Products Bought	Brands	Products	Types	Shops	Employees
Employee ID	Name Of Employee	Phone Number	Date Of Birth	Address		
100	SOHAM NEHRA	9999999999	2001-10-25	The LNM Institute of Information Technology, Jaipur - 302031		
101	TUSHAR JAIN	9999999999	2001-11-04	The LNM Institute of Information Technology, Jaipur - 302031		
102	SRIRAJ BEHERA	9999999999	2001-11-03	The LNM Institute of Information Technology, Jaipur - 302031		
103	VAIBHAV GUPTA	9999999999	2002-01-01	The LNM Institute of Information Technology, Jaipur - 302031		

Error Page

It is the web page that appears when error code 404 appears due to any reasons.



IDBMS Project

Email

Whenever the product goes out of stock, the website sends the admin/user an email stating that the product has gone out of stock.

