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# Web-Based Portal for Food and Breweries

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**Abstract:** In this era of the internet and the World Wide Web, almost everything-from clothing to footwear and accessories; from Electronics to electrical appliances; from furniture to home appliances; sporting goods, beauty and personal care etc. is available online. A user/customer has the privilege to view and purchase his/her required product/service. In this paper, we have made an attempt to construct a web-based portal which brings various foods and breweries prepared by various food manufacturing/processing companies or firms directly to the online customer. By duly filling the request form for delivery, a particular product is shipped to address and an automated bill is generated. MySQL is used as the back-end tool. PHP, HTML and JavaScript are the front-end development tools. CSS is responsible for the attractive appearance of the webpages. An admin login is provided to enable the administrator of the website to do the following- add new product, edit or delete product, add new employee, delete or edit employee, password settings and verify or regenerate sales report.

Keywords: web-based portal, World Wide Web, ER diagram, MySQL, database, PHP, HTML and JavaScript.

### I. INTRODUCTION

Any web development is carried out in two stages- backend design and front-end design [1]. The backend of a website consists of three essential divisions- server, an application and a database [2]. A server may be a device or a computer program, which provides services to other systems in the network. It provides functionality to clients. A client uses remote services from a server. A Database is a collection of data organized in such a way that a computer program can quickly select the desired pieces of data. To access information from a database, a DBMS is required. A DBMS is a collection of programs that enables one to enter, organize and select data to/from a database. In this paper, we have used MySQL as the RDBMS [3].

Front-end design is what one (user) sees. The front-end tools used in this project are:

- HTML
- PHP
- JavaScript
- CSS

### II. ER DIAGRAMS AND DF DIAGRAMS

A relational database system is a reliable way to manage huge databases in a more simpler and systematic manner.

RDBMS design consists of

- Drawing ER diagrams
- Transforming ER diagram to database schema
- Defining FDs
- Finding minimal cover and normalization
- Drawing and analyzing DF diagram

An Entity Relationship also called the ER diagram shows the relationships of entity sets stored in a database. A person can refer to the ER diagram to understand the components/entities comprising the web-based design. ER diagrams illustrate the logical structure of databases [4]. Figure 1 shows the ER diagram of this project and figure 2 shows the DF diagram.



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### III. METHODOLOGY

i. Apache and MySQL are started on the XAMPP control panel. XAMPP is a PHP development environment [5] where,

X-any OS A-Apache

P-PHP

P-Perl

A green signal indicates that Apache and MySQL are active. Figure 3 shows the XAMPP control panel.

ii. Open any browser and type localhost/phpmyadmin/ in the URL and one will be directed to the 'phpMyAdmin' screen where the tables and fields are added to the project and hence building the database. Figure 4 shows the tables of the database food.

iii. Create the database food and add the following tables.

- item
- tbleaccount
- tblbill
- tblfinalbill
- tblproduct
- tblpurchases
- tblusers

iv. The above tables will contain various fields. Figure 5, figure 6, figure 7, figure 8, figure 9, figure 10 and figure 11 shows the tables item, tblaccount, tblbill, tblfinalbill, tblproduct, tblpurchases and tblusers respectively and their respective fields.

v. To view the front-end design (index page), just enter the URL localhost/food/index using any browser.

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Figure 3 shows the XAMPP control panel with Apache and MySQL being activated (green indicates active)



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### IV. RESULTS AND FINDINGS

Figure12 shows the index page of the web based project. CSS has made the front-end part to look more attractive and systematic. Figure13 shows the product Jamoon and its cost. The quantity of this product and the vendor decides the cost of the product that is, Jamoon. Figure14 shows the product Jamoon added to cart and figure 15 shows tandoori chicken being added to cart along with Jamoon and now the gross price will be generated automatically by the system. These products can be added or removed any time before placing the final order.

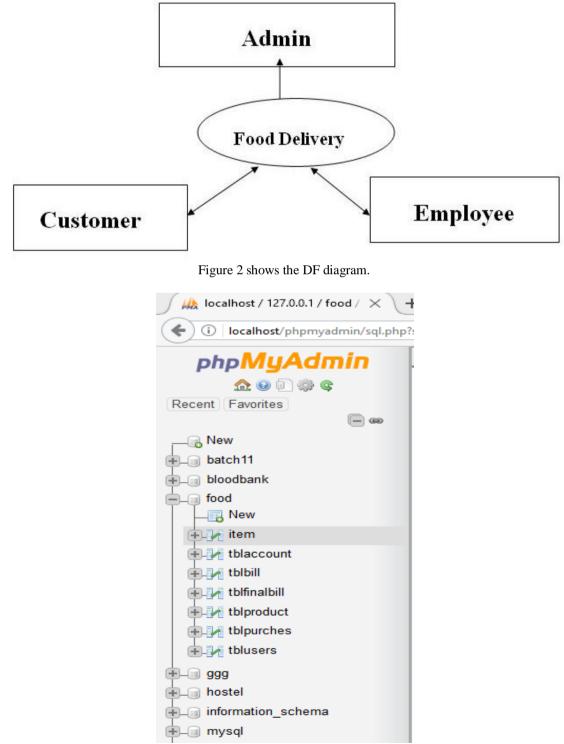


Figure 4 shows the tables of the database food.



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3	buttermilk	Beverages				
4	badam milk	Beverages				
5	cofee	Beverages				
6	idly	ldly				
7	Rava idly	ldly				
8	Manglore bonda	ldly				
9	vade	ldly				
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Figure 9- tblproduct table



### International Journal of Advanced Research in Computer and Communication Engineering ISO 3297:2007 Certified

Filter rows:

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**IJARCCE** 

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SELECT \* FROM `tblpurches`

Number of rows: 25 ¥

Search this table

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Show all

prod_id	prod_name	prod_quan	prod_price	prod_total
15	tea	1	30	200
15	tea	1	30	200
15	tea	1	30	200
373	elaneer payasam	1	110	110
373	elaneer payasam	5	110	550
18	tea	1	35	35
372	elaneer payasam	1	70	70
293	navaratna kurma	1	100	100
136	plain dosa	1	60	60
370	gulab jamoon	1	40	160
58	cofee	1	8	8
387	chicken biriyani	1	330	362
328	chettinad chicken fry	1	165	3167
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Figure 10- tblpurches table

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Figure 11- tblusers table

### V. CONCLUSIONS

Any web-based portal consists of two main divisions- the front-end design and the back-end design. Our first aim was to create a database and add tables to the database. Several fields were added to the tables and they constitute the necessary information needed for the application. MySQL was the RDBMS used and constitutes the backend of the project. The back-end or server-side scripting were done with intensions of a broader motto- later updates and editing.



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The front-end design or the client side scripting was done using HTML, JavaScript, PHP and CSS. Due to the efficient use of CSS, the front-end is seen to be more attractive in design and is the need of the day. XAMPP control panel was used to run the Apache and the MySQL server on it. The admin login and admin rights will be explained in detail in the next paper. The admin enjoys many privileges as compared to the user and he plays a major role in the real time running of the web-portal.

Hotel Manad	ment and Food	Cart			
				Search	٩
Home Cart	Checkout About	Login	Logout		
Food W relish ur tasteb Browse A					
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<ul> <li>&gt; Beverages</li> <li>&gt; Breads</li> <li>&gt; Curries</li> </ul>	Products		tea for life!		

Figure12 shows the index page of the web based project.

	aste Of Life	DROD				Search		٩
Home	Products	Cart	Checkout	About	Login Logo	out		
Categories		Produ	uct Details					
Beverages					Hotel	Cost	Add to cart	
Breads		111			1947	70	. I	
Curries			COLUMN 1		amrutham	70	. 🛒	
			1		anjappar	53	. 🛒	
Desserts			A REAL PROPERTY AND A REAL	20 M 1	annapoorni	55	. 🛒	
<ul><li>Desserts</li><li>Idly</li></ul>			C LOSS IN		arritan a arrit			
				10	athityam	40	. 🛒	

Figure13 shows the product Jamoon and its cost. The quantity of this product and the vendor decides the cost of the product that is, Jamoon.





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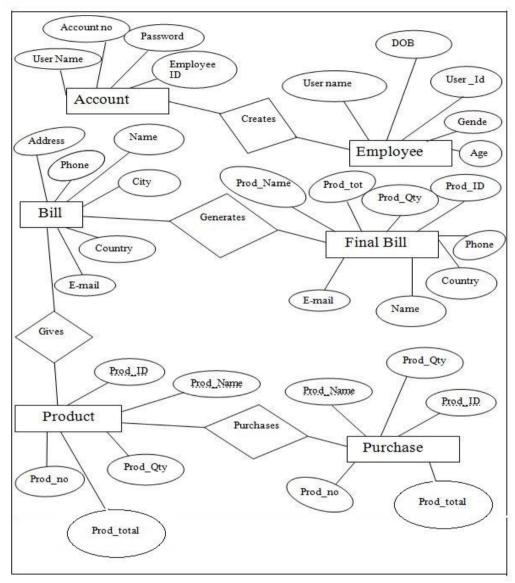


Figure 1 shows the ER diagram of the project

For	aste of Life	BROE					Search			٩	
Home	Products	Cart	Checkout	About	Admin Login	Logo	out				
Categories		Image		PROD_ID	Name	Quantity	Stock	Price	Total		
Beverages Breads Curries			8)	369	gulab jamoon	1	All time pcs	₹55	₹55.00	x Remove	
Desserts Idly Rice		Have y	ou modified your ba	sket? Please click l	nere to Update	Total:	₹55				
Tandoori Starters							Pro	ceed to C	heckout		

Figure14 shows the product Jamoon added to cart



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PROD_ID	Name	Quantity	Stock	Price	Total	
369						
	gulab jamoon	1	All time pcs	₹55	₹55.00	Remove
263	tandoori chicken(half)	1	Evening pcs	₹190	₹245.00	Remove
	263					

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#### BIOGRAPHY



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