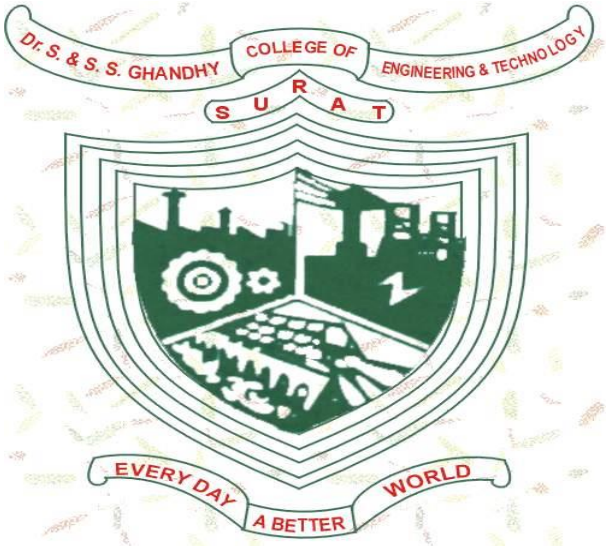
Project Report On

E-Mart

Submitted to

Information Technology Department

Year:- 2015-16



INFORMATION TECHNOLOGY DEPARTMENT

DR.S. & S.S.GHANDHY COLLEGE OFENGINERING & TECHNOLOGY SURAT

GUJARAT TECHNOLOGY UNIVERSITY

DR. S. & S. S. GHANDHY COLLEGE OF ENGINERING & TECHNOLOGY SURAT

PROJECT REPORT ON

E-mart

SUBMITED TO

INFORMATION TECHNOLOGY DEPARTMENT

YEAR:- 2015-16

GUIDED BY:-
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Tarpara Dhruv (136120316061)

DR.S.&S. S.GHANDHY COLLEGE OF ENGINERING & TECHNOLOGY SURAT

CERTIFICATE

THIs IS TO CERTIFY THAT CHOTALIYA VAIBHAV, HIRPARA JAYDIP, TARPARA DHRUV HAVING ENROLLMENT NO.136120316011, 136120316014 & 136120316061 HAVE COMPLETED IDP PROJECT WORK HAVING TITLE "E-MART" THEY HAVE UNDER GONE THE PROCESS OF MANAGEMENT INDUSTRY DEFINE UNITS, LITERATURE SURVEY AND PROBLEM DEFINITION.

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❖ Project Profile

Project Name:	E-MART
Type of Project:	PHP Website
Project Description:	E-mart is a website which provides a medium to connect seller and buyers in the e-commerce industry.
Team Size:	3 member
Front End:	PHP CSS3 HTML5
Back End:	MYSQL
Tools used:	XAMPP ADOBE DREAMWEAVER 2015

E-Mart

Definition:-

E-mart

Abstract:-

- E-mart is a website which provides a medium to connect seller and buyers in the e-commerce industry. It reduce time, effort, and expense of consumer and on the other hand provides a platform for the seller.
- The objective of this project is to develop general purpose e-commerce store where any product can be brought from the comfort of home to the internet.
- For the entrepreneur, electronic shopping, generates new business opportunities means that there is a wider scope of consumer it makes comparative shopping possible.

Modules:-

1. Admin
2. Buyer
3. Seller

1. Admin:-

- Log In
- Manage Buyer
- Manage Seller
- Add / Remove Products

2. Buyer:-

- Register
- Log IN
- View Products
- Add to Cart
- Place Order

3. Seller:-

- Log In
- Sell Products
- Update Order Status

Advantages:-

- E-mart offers several advantages to consumer and companies including improvements of productivity, customer satisfaction and general overall productivity.
- E-mart provides a wider scope of consumer that can be attained by the entrepreneur.
- This will create an easier way for customer to buy items that the business is offering and also can view reviews of the product and customer service.
- Customer would now be able to view and get update on their favourite brands or products and special discount that apply and would be able to make purchase any time.
- Customer will have direct access to the product information, company, promotion and much more.

Limitation:-

- Geographical limitations.
- Product information must be update at arbitrary interval.
- Payment methods are limited.

Future Scope:-

- Widen the range of product sold.
- Provide more payment methods.
- Widen the geographical area.

Specification

Front End:-

- PHP (5.6.8)
- HTML5
- CSS3
- JavaScript

Back End:-

- MySQL 5.5.32

Other Tools:-

- XAMPP Software Package (3.2.1)
- Adobe Dreamweaver CC 2015

PHP:-

- PHP is a server scripting language and a powerful tool for making a dynamic and interactive web pages.
- PHP is widely used, free and efficient alternative to competitive such as Microsoft's ASP.
- PHP is a free software (Open Source) related under PHP license.
- Founder of PHP is Rasmus Lardorf. PHP was written in the 7 programming language in 1994.
- Original meaning of PHP is Personal Home Page.
- Core PHP was rebuilt by Zeev Suraski and Andi Gutmans in 1997 and names "Hypertext Pre-processor".

MySQL:-

- MySQL is open source relational database management system that relies on SOL for processing data in the database.
- MySQL falls under the GNU General Public License.
- MySQL is most commonly used for web application because of its speed and reliability.
- MySQL provides a very high performance and it is multi-thread and multi-user relational database management system.
- MySQL is very lightweight application and support indexing and binary object.

XAMPP:-

- XAMPP is a light-weight easy to install bundle that will allows us to do local development on website in case we don't have server hosted.
- It is an open Source licensed product.
- XAMPP consist of three main things that we need to know is:
    - Apache web Server
    - PHP
    - MySQL
- Hence, this three things are included in the XAMPP.

CSS:-

- A cascading Style sheet contains style rules that are applied to element in a webpage.
- CSS defines how HTML elements are to be displayed.
- CSS saves a lot of work and external style sheets are stored in CSS files.

JavaScript:-

- JavaScript is a programming language of HTML and the Web.
- JavaScript is a dynamic Programming language.
- It is most commonly used as part of web browser, whose implementation allow client-slide script to interact with user, control browser, communicate asynchronously, and alter the document, content that is displayed.
- JavaScript is multi-paradigm language, support OOP, imperative and functional programming Style.

Scope of Project

Problem Identification:-

- There is not many website such that all variety of products are available.
- When the courier guy comes the buyer may or may be not at home.
- There is not such type of service like home delivery, COD for food products.
- Difficulty in buying & comparing products.
- Seller have a limited scope of geographical area.
- In a single local store, they don't have all the variety of products.

Expected Outcomes:-

- Buyer will get the home Delivery and cash on delivery.
- Buyer will get the delivery at their preferred time.
- Buyer will get all the variety of products that they can't get from a single local store.

Detailed Summary of Project

- The name of the website is E-mart which is made especially for purpose of buying grocery or any daily usable products in for prize.
- Many types of services is provided by E-mart like person will get description of all product but it is not necessary that visitors must have to buy things or products, they can also visit our website for getting information about products and compare them.
- Our website consist of main three modules.
    - Buyer
    - Seller
    - Admin
- First of all, buyer signup or goes into guest mode. In guest mode he/she can't buy products, he/she only can view and get information about products.
- After signup, he/she Sign IN and then surf our website for desired products. He/she can also add products into wish list or cart and also place order and select time for delivery and simply logout.
- Seller is the person who will sell or deliver the products according to order and time.
- Seller check the database and get information of order and deliver products to buyer.
- Admin manages the whole website and have a full access over the website.
- Admin can add and remove products change the price and info.
- Admin also can see the profile of buyer and seller and manage them.

Requirement Analysis

Project Solving Techniques:-

- Bottoms-up approach.
- It is the pricing together of system to give rise to grander, thus making the original system, sub-system of element system.
- In a bottom-up approach the individual base elements of system are first specified in great details.
- These elements are then linked together to form larger sub-system, which then in turn are linked, sometimes in many levels, until a complete top-level system is formed.
- Incremental model is a popular version of the system development life cycle model for software engineering.
- By this way, it is easy to make a grander system by small modules.

Project life cycle model (Incremental):-

- Project life cycle model is incremental model.
- Incremental model combines elements of the linear sequential model with the iterative philosophy of prototyping.
- In this, incremental model first increment is called core product.
- In core product basic requirement are added but some unknown supplementary features remain undelivered.
- This core product is used by customer to evaluate the system and next increment is planned to develop.
- During first requirement analysis phase, customer and developers specifies as many requirements as possible and prepare documentation.
- First version of product with minimal and essential feature is launched to market.
- Based on the feedback and experience with this version, list of additional features are added.
- This process is repeated following the delivery of each increment, until the complete product is produced.

Advantages of Incremental Model:-

- We can add feature/modules as per our need.
- Less cost and time is required to develop core product.
- It can result in better testing, because testing each increment is likely to be easier than testing entire system.
- Incremental funding is allowed, means only one or two increments might be funded when the program starts.

Software Requirement Specifications

Person	Main Activity	Database Activity	Activity	Document
Buyer	Sign-up	Create	Cart Table	
		Update	Buyer Database Updated	
	Login	Create		
	Product add To Cart	Update	Cart table Updated	
	Place Order	Update	Cart table Updated	
		Update	Current Order Table Updated	
		Update	Order Details Table Updated	
	Order Cancel	Update	Update Order Status In Current Order Table	
	Order Delivered	Update	Finished Order Table Updated	Bill Generated
	Order Replace	Update	Order Details Table	New Bill Generated
		Update	Finished Order Table Updated	
	Account Delete	Delete	Cart Table	
		Update	Buyer Database Updated	
	Update Profile	Update	Buyer Database Updated	
	Guest Login	Create	Temp Cart Table	
	Guest Place Order	Update	Cart table Updated	
		Update	Current Order Table Updated	
		Update	Order Details Table Updated	

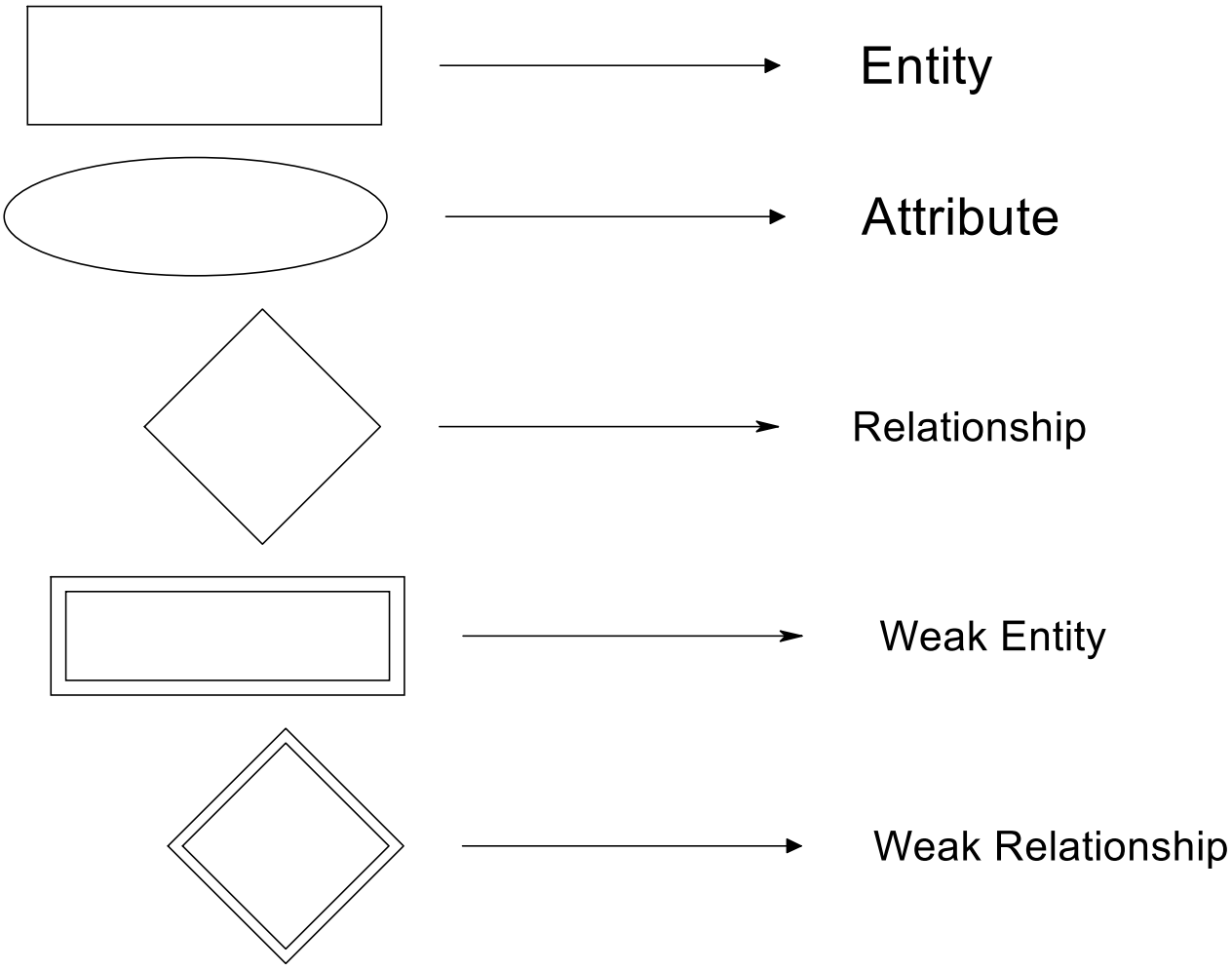
	Guest Logout	Delete	Temp Cart Table	
Admin				
	Add Products	Update	Product Table Updated	
	Edit Products	Update	Product Table Updated	
	Remove Products	Update	Product Table Updated	
	Block/Unblock Buyer	Update	Buyer Database Updated	
	Block/Unblock Seller	Update	Seller Database Updated	

E-R Diagram

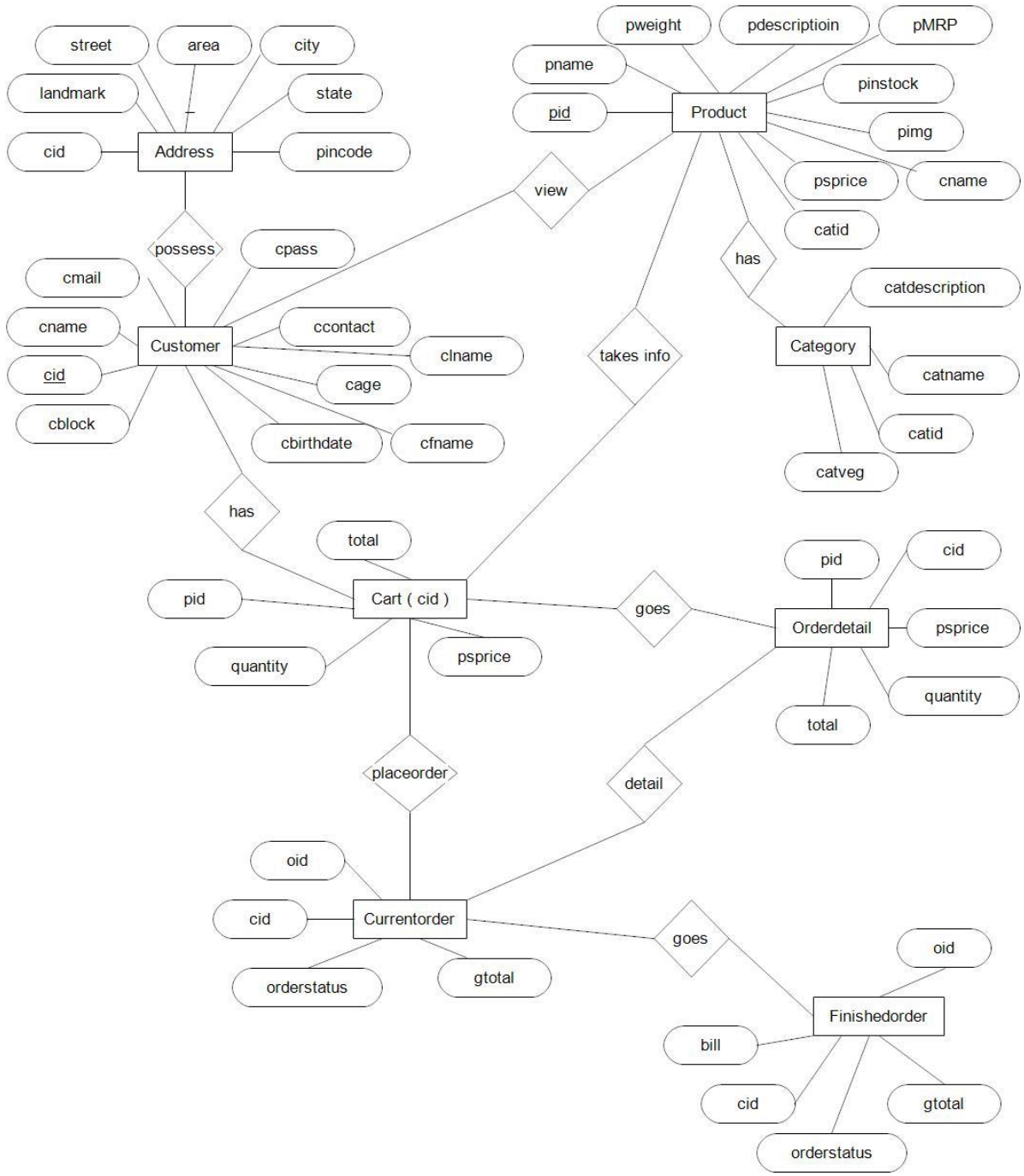
Definition:-

- E-R Diagram is a graphical tool to represent the model, we logical structure of database (Entity and Relationship exist among entity set)
- Components of ER Diagram:-
    1. Entity
    2. Attributes
    3. Relationship
    4. Key attributes
- There are two types of Entity:-
    1. Strong Entity
    2. Weak Entity

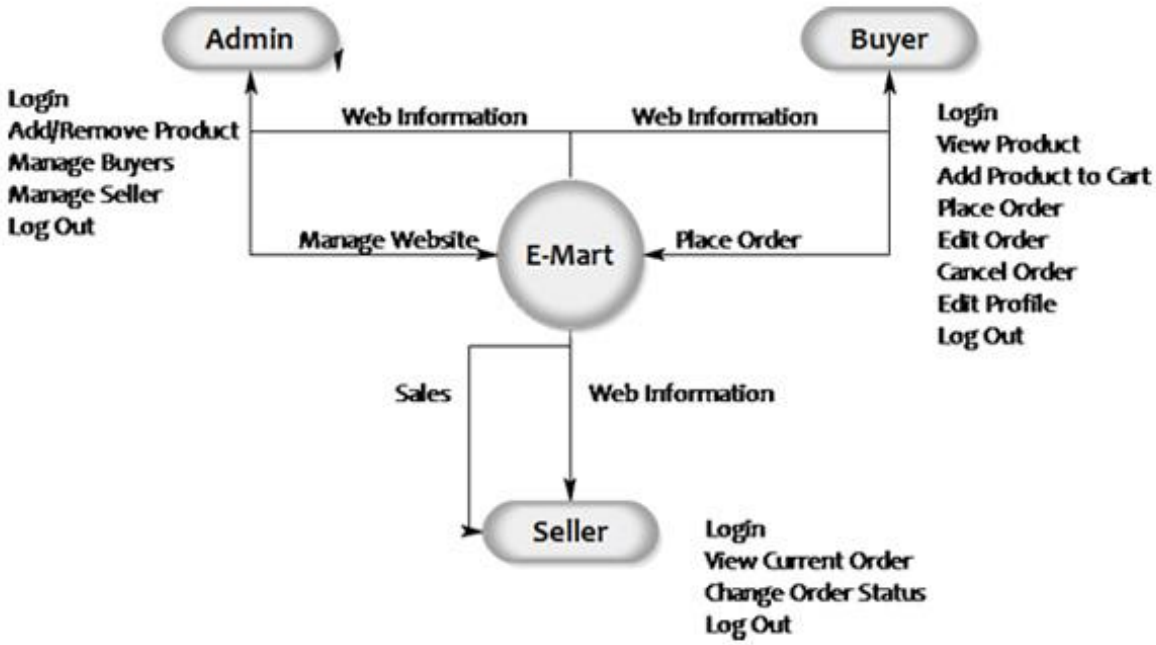
Symbols:-

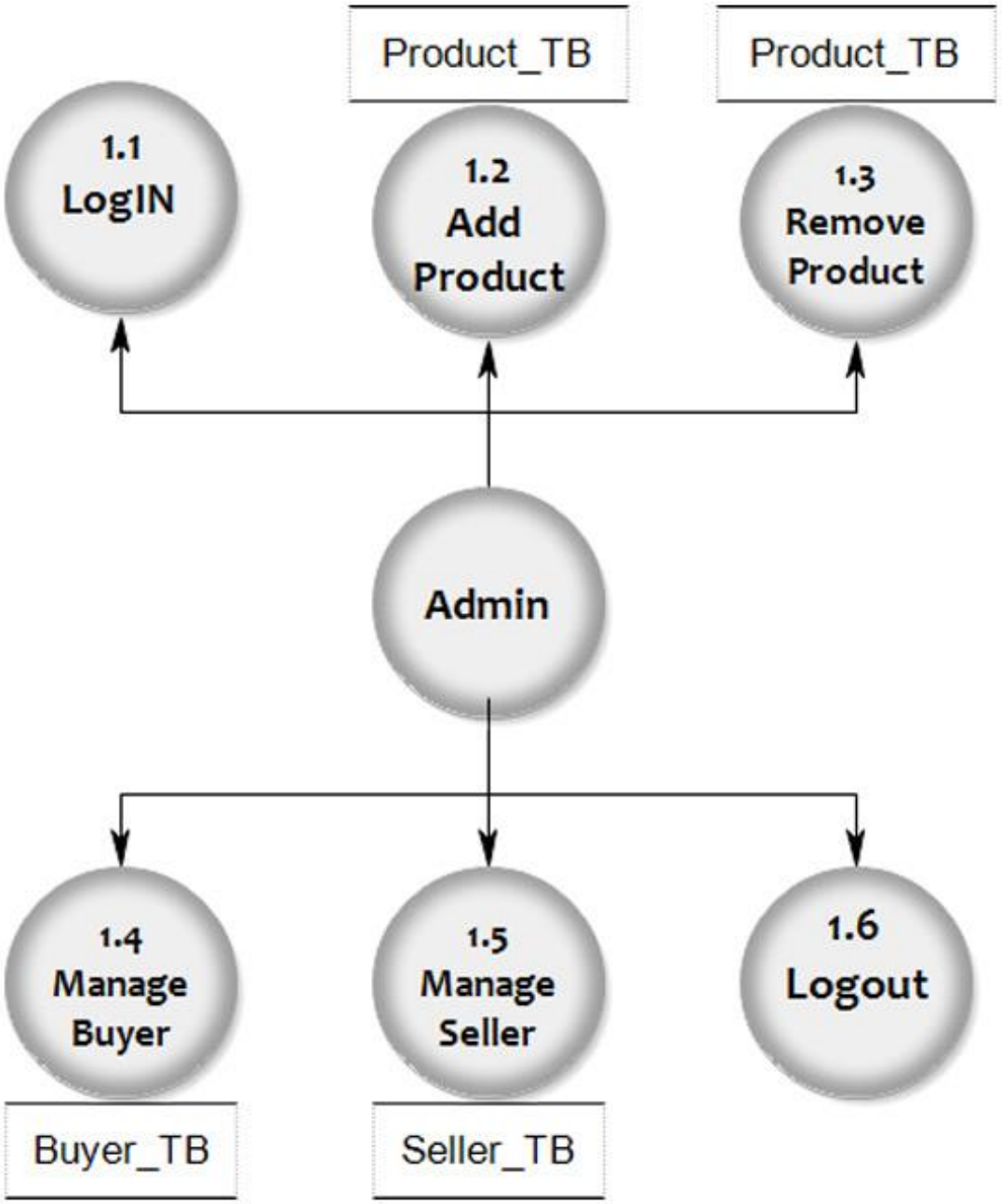


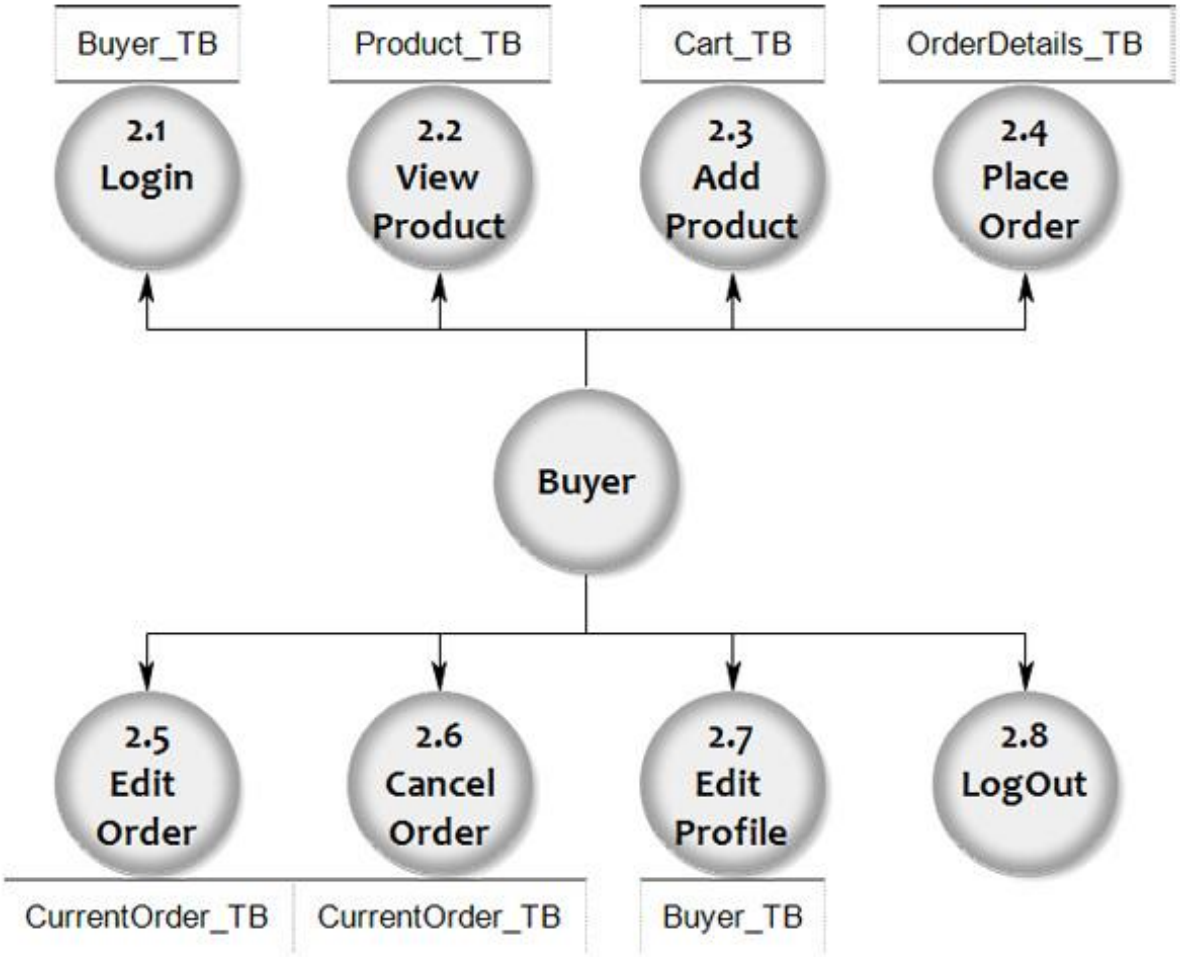
E-R Diagram of E-Mart

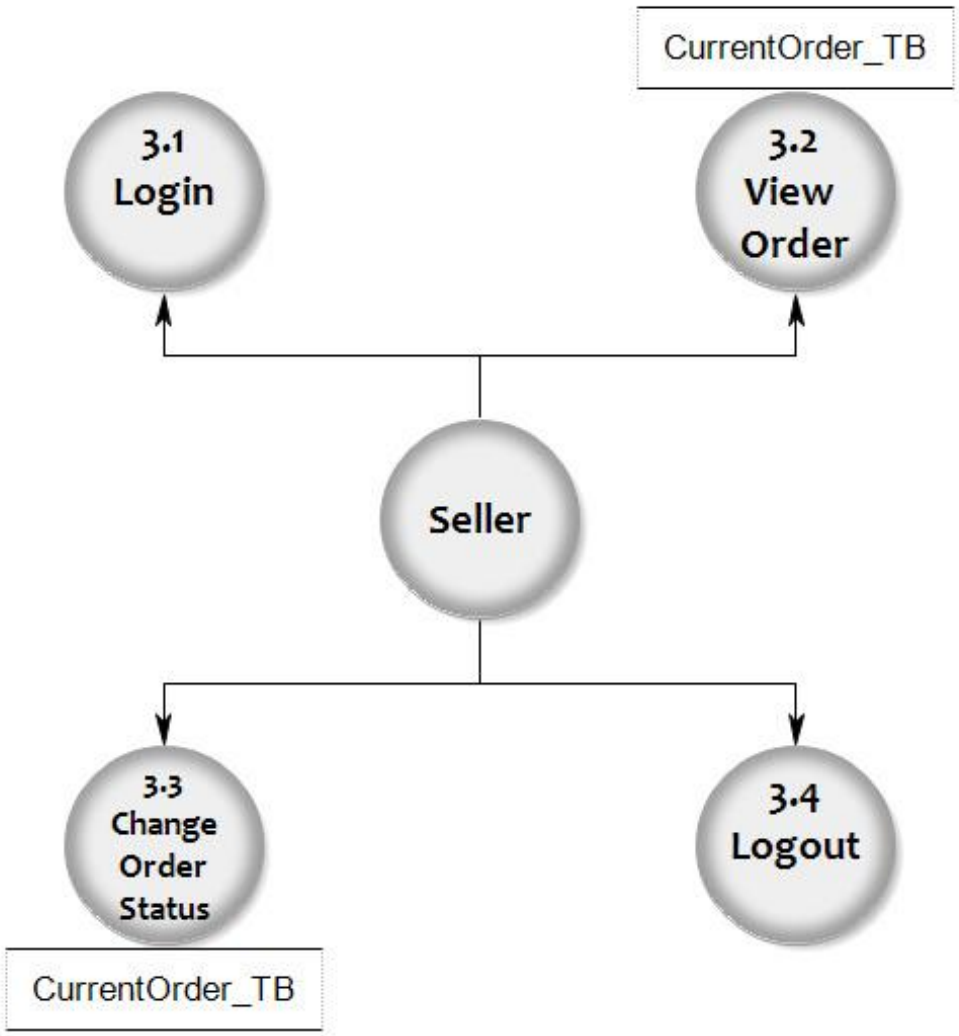


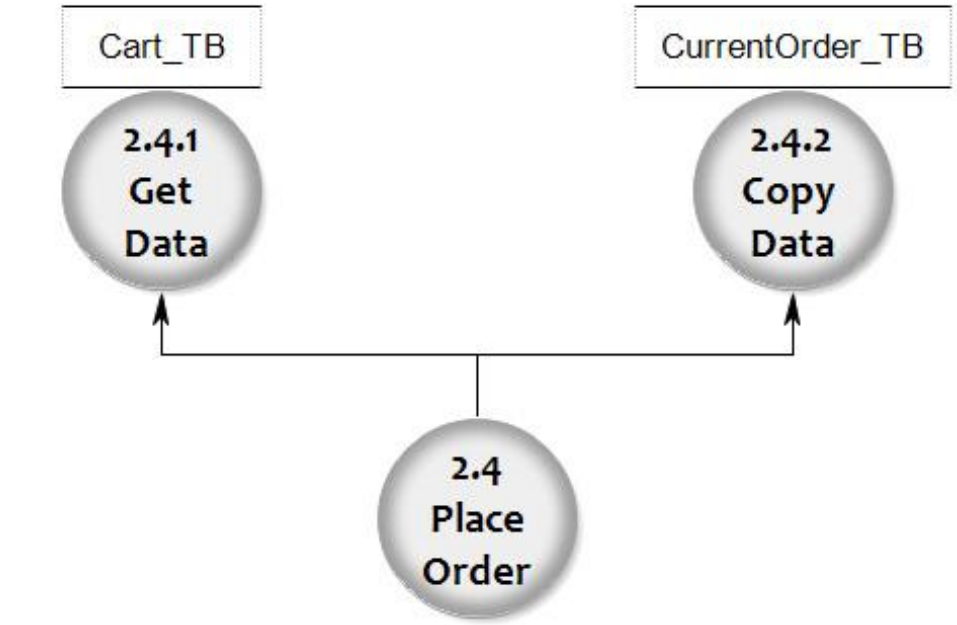
Data Flow Diagram

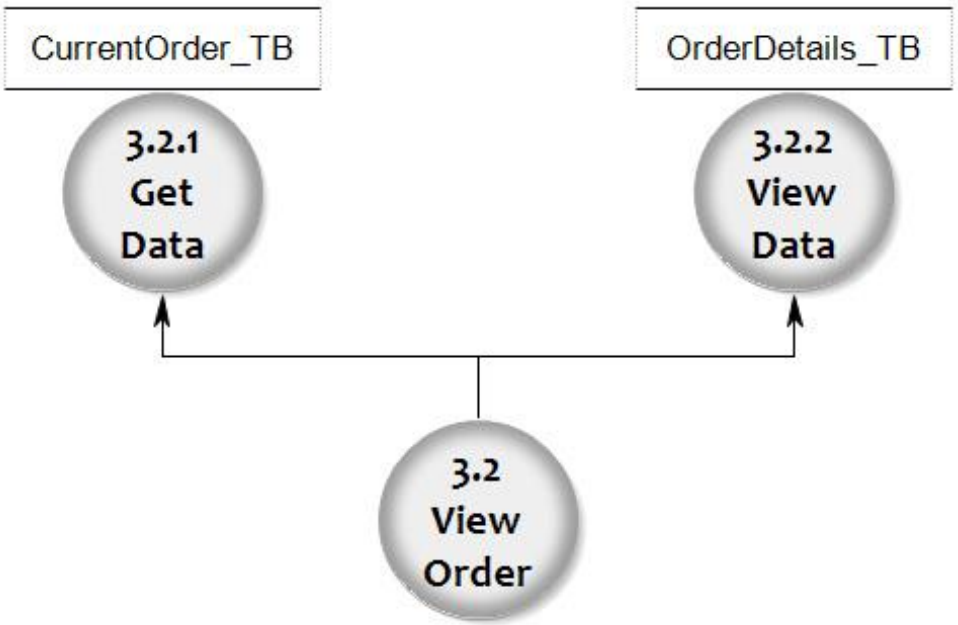

Admin
Buyer
Login
Add/Remove Product
Manage Buyers
Manage Seller
Log Out
Web Information
Web Information
Login
View Product
Add Product to Cart
Place Order
Edit Order
Cancel Order
Edit Profile
Log Out
Manage Website
E-Mart
Place Order
Sales
Web Information
Seller
Login
View Current Order
Change Order Status
Log Out


Product_TB
Product_TB
1.1
LogIN
1.2
Add
Product
1.3
Remove
Product
Admin
1.4
Manage
Buyer
1.5
Manage
Seller
1.6
Logout
Buyer_TB
Seller_TB


Buyer_TB
Product_TB
Cart_TB
OrderDetails_TB
2.1 Login
2.2 View Product
2.3 Add Product
2.4 Place Order
Buyer
2.5 Edit Order
2.6 Cancel Order
2.7 Edit Profile
2.8 LogOut
CurrentOrder_TB
CurrentOrder_TB
Buyer_TB


CurrentOrder_TB
3.1
Login
3.2
View
Order
Seller
3.3
Change
Order
Status
3.4
Logout
CurrentOrder_TB


Cart_TB
CurrentOrder_TB
2.4.1
Get
Data
2.4.2
Copy
Data
2.4
Place
Order


CurrentOrder_TB
OrderDetails_TB
3.2.1
Get
Data
3.2.2
View
Data
3.2
View
Order

Data Dictionary

Customer:-

Column Name	Data Type	Size	Constraint
Cid	Int	Auto Inc.	Primary key
Fname	Varchar	25	
Lname	Varchar	25	
Cname	Varchar	25	Unique
Cmail	Varchar	50	Unique
Cpass	Varchar	15	
Contact	Int	10	
Contact2	Int	10	
Gender	Boolean		
Cimg	Varchar	255	
Birthdate	Date		
Blocked	Boolean		

Address:-

Column Name	Data Type	Size	Constraint
cid	Int	Auto Inc.	Foreign key
Add1	Varchar	100	
Add2	Varchar	100	
Landmark	Varchar	50	
Area	Varchar	25	
City	Varchar	25	
State	Varchar	25	
Pin code	Int		

Cart:-

Column Name	Data Type	Size	Constraint
Pid	Int	Auto Inc.	Foreign key
Quantity	Int	10	
Sprice	Int	10	
Total	Int	10	

Category:-

Column Name	Data Type	Size	Constraint
catid	Varchar	15	Primary key
Catname	Varchar	25	
Catdesc	Varchar	500	
veg	Boolean		

Current Order:-

Column Name	Data Type	Size	Constraint
Oid	Int	10	
cid	Int	10	
Gtotal	Int	11	
status	Int	2	

Finished Order:-

Column Name	Data Type	Size	Constraint
Oid	Int	10	
cid	Int	10	
Gtotal	Int	11	
status	Int	2	
Bill	Varbinary	500	

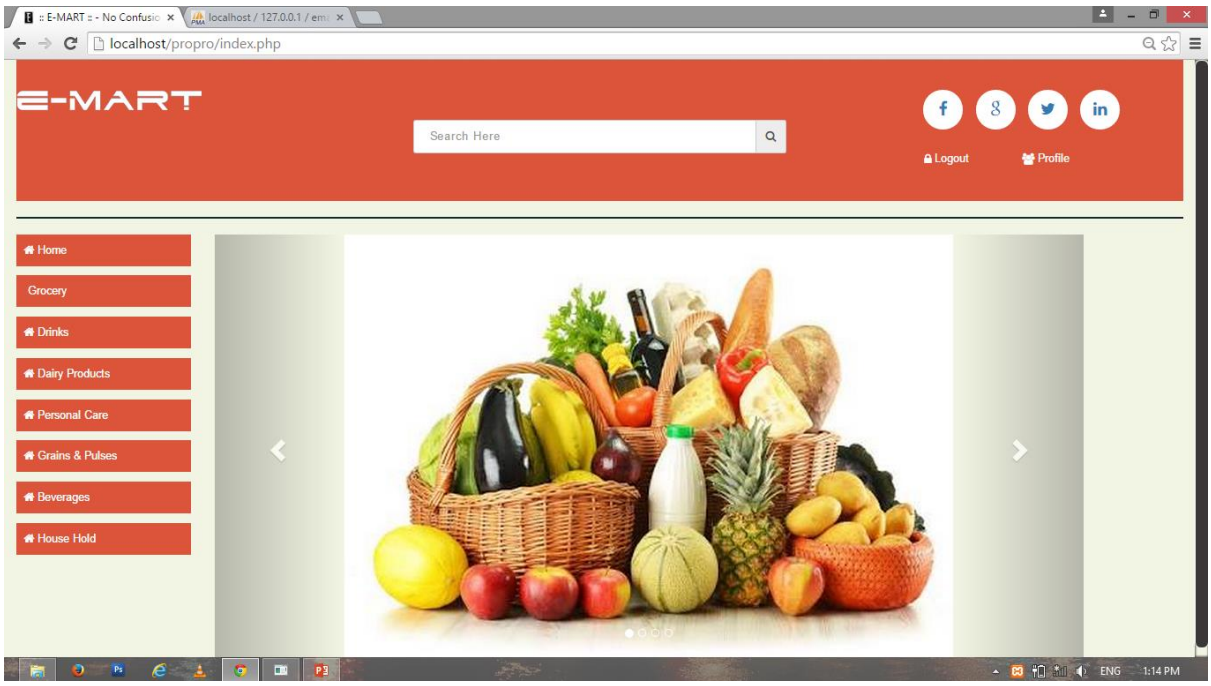
Order Details:-

Column Name	Data Type	Size	Constraint
Oid	Int	11	Foreign key
pid	Int	10	Foreign key
Quantity	Int	10	
Sprice	Int	10	
Total	Int	10	

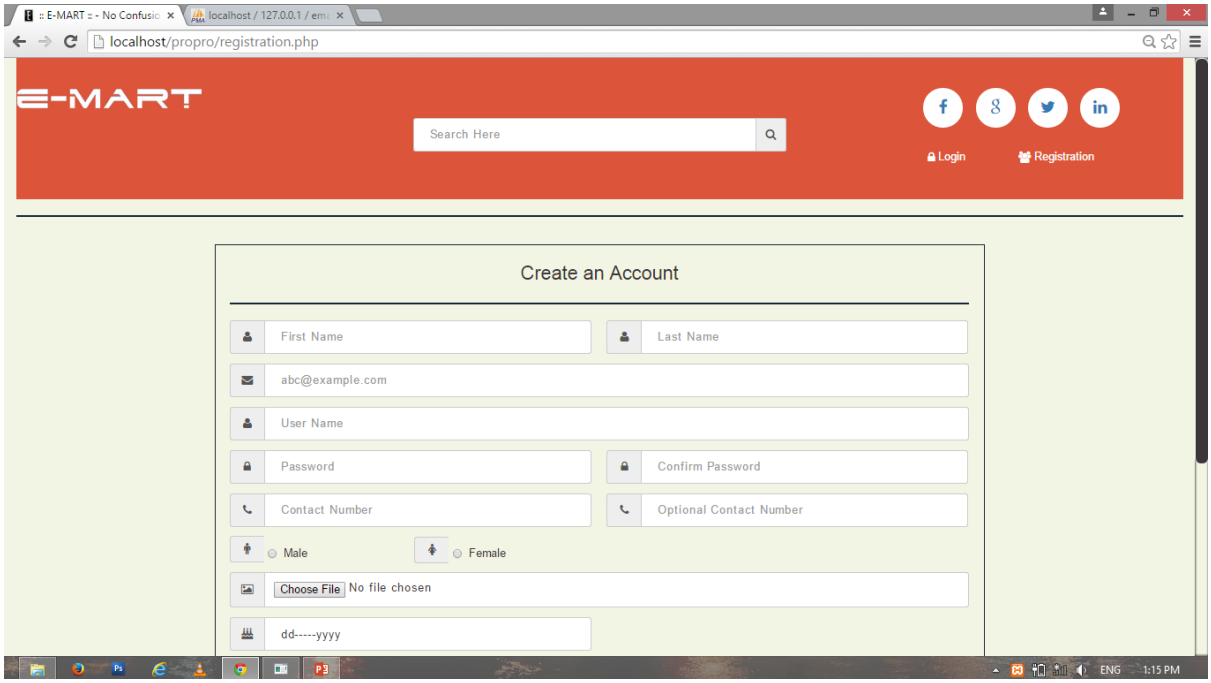
Product:-

Column Name	Data Type	Size	Constraint
Pid	Int	Auto Inc.	Primary key
Catid	Varchar	15	
Pname	Varchar	50	
Weight	Int	10	
Mrp	Int	10	
Sprice	Int	10	
Instock	Int	10	
Pdesc	Varchar	500	
Pimg	Varchar	1000	
Visible	Boolean		

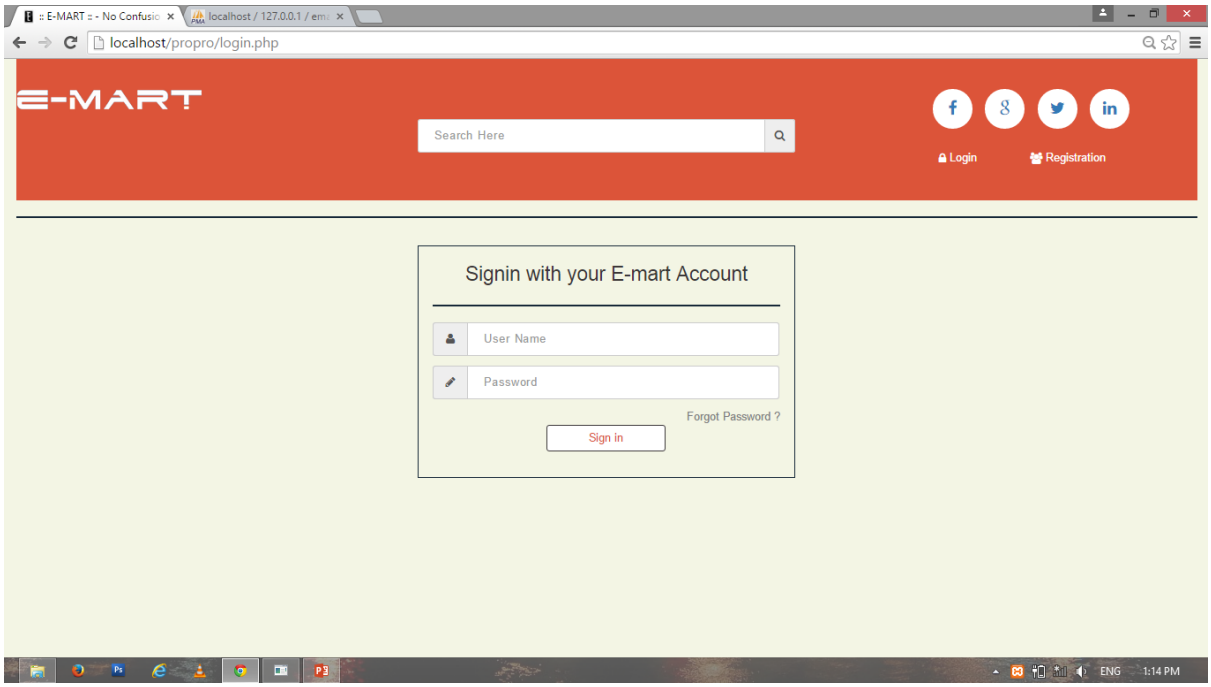
Screen Shots



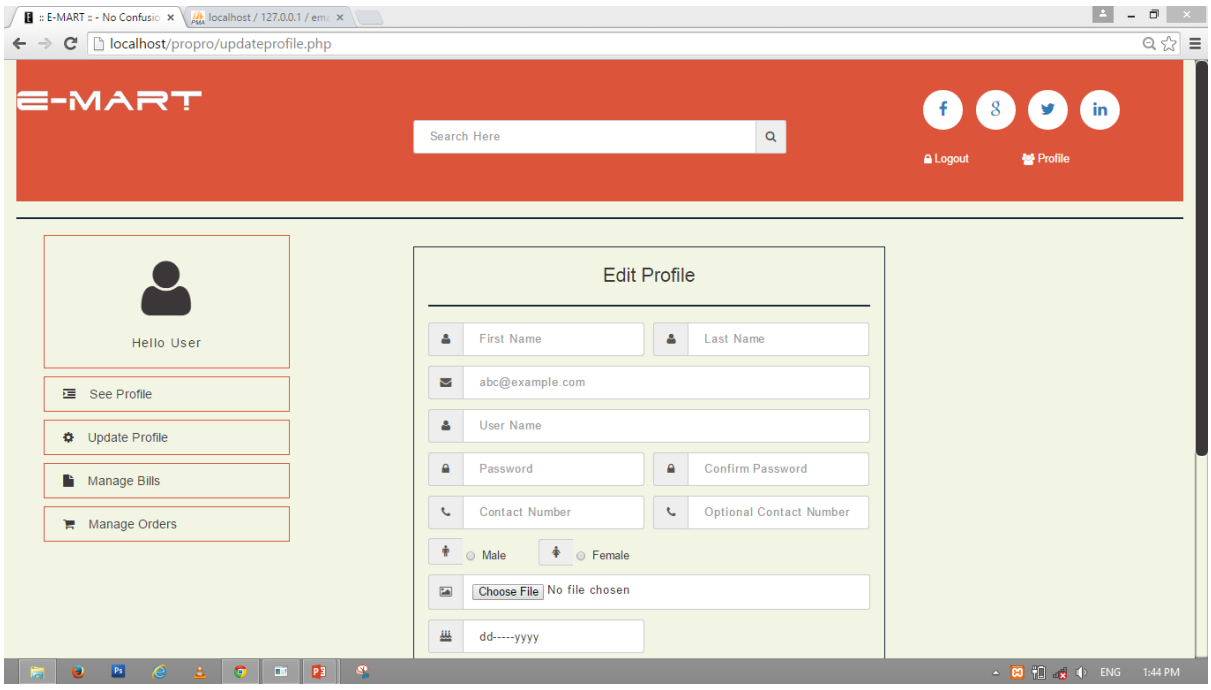
Home



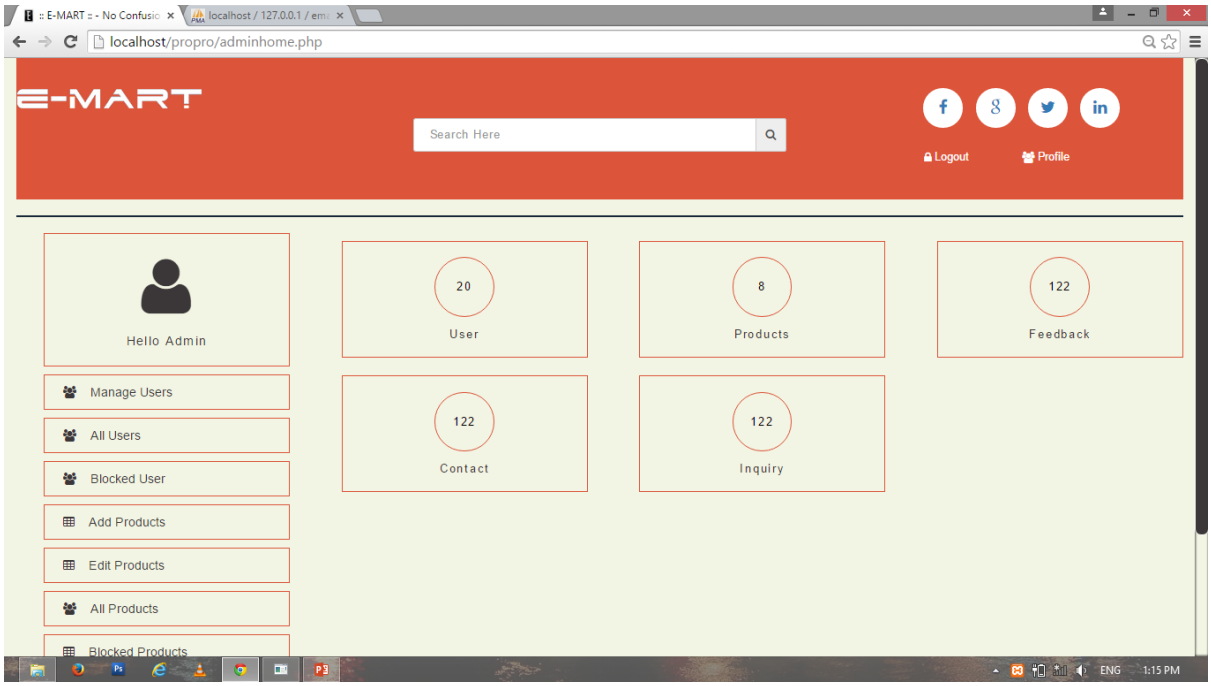
Register



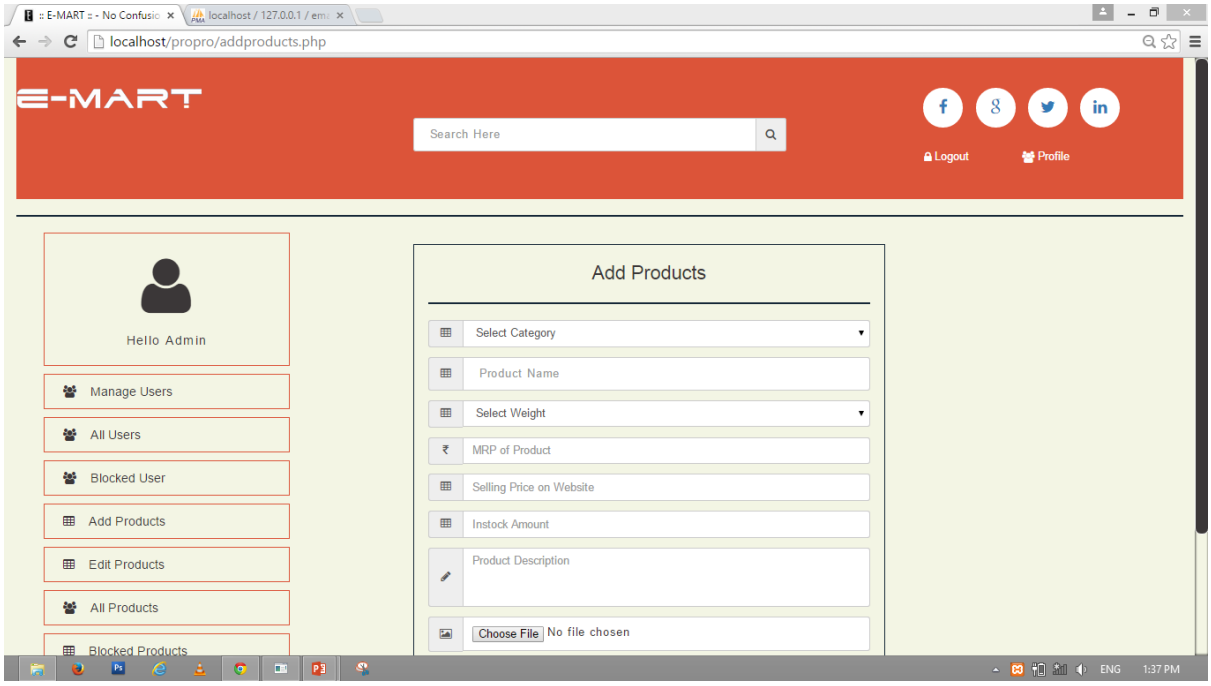
Login



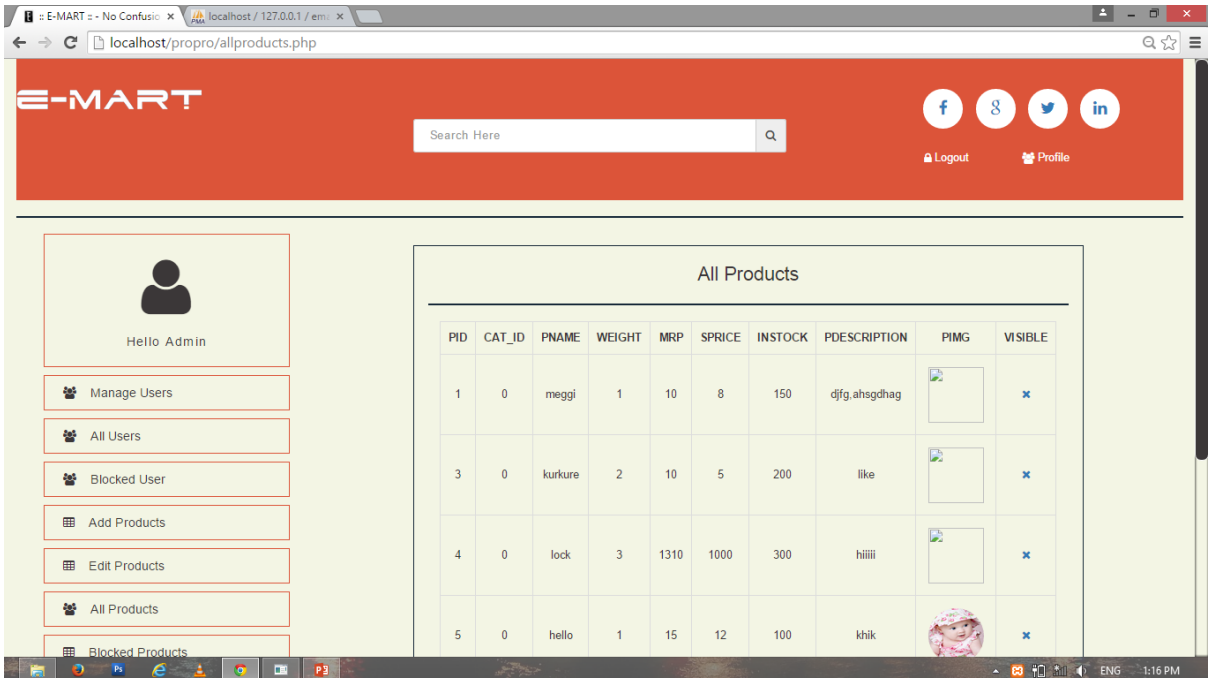
Edit Profile



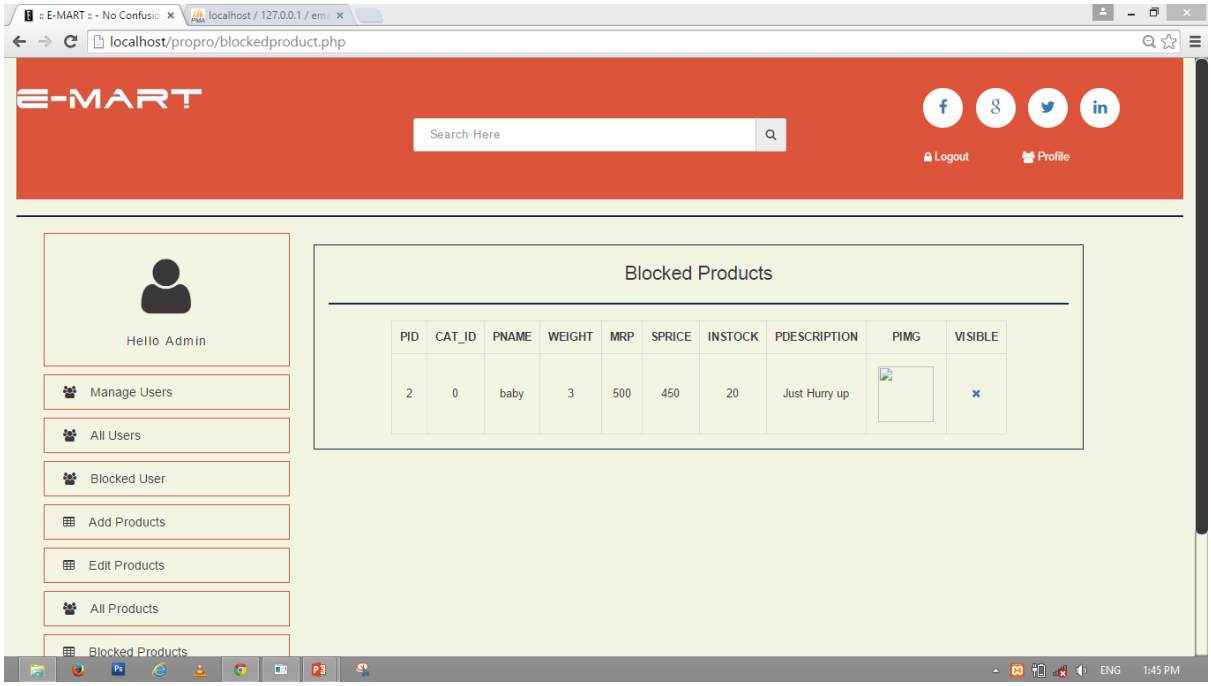
Admin Home



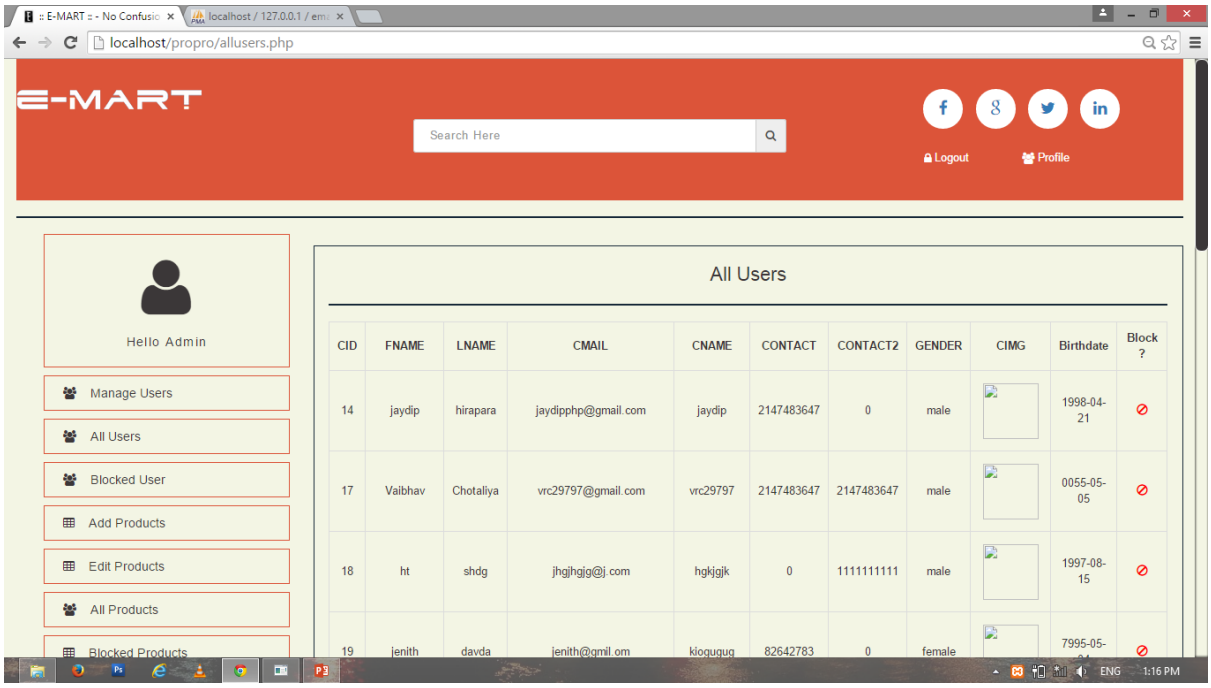
Add Products



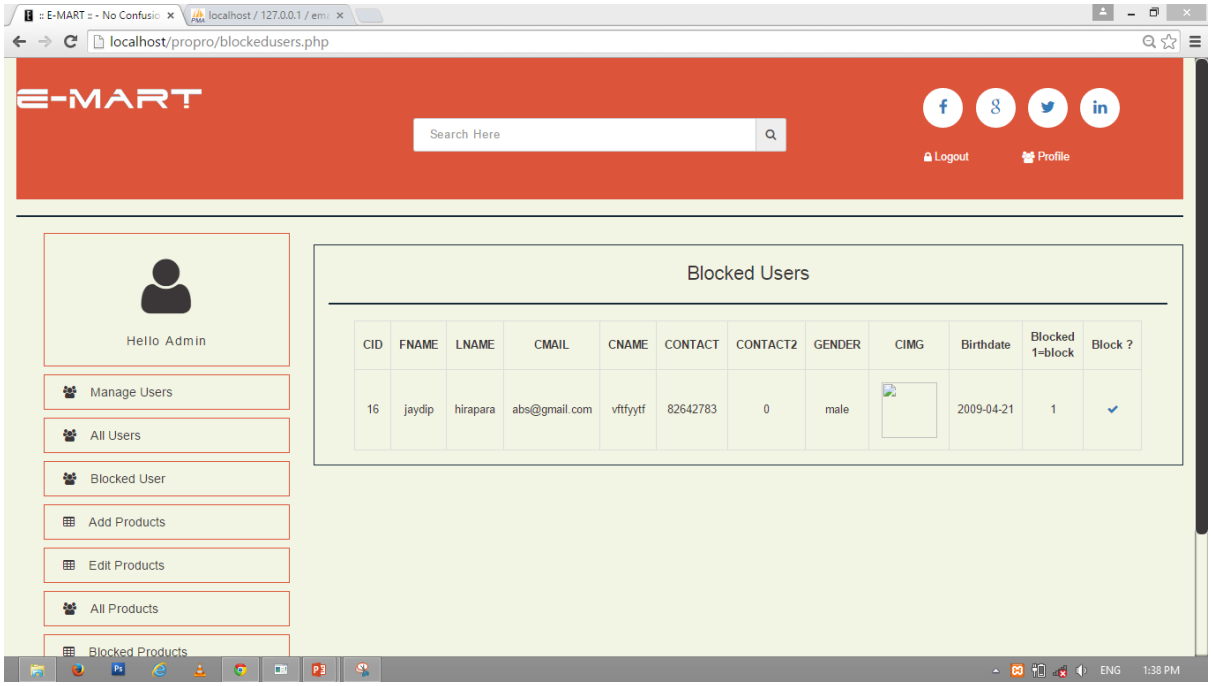
All Products



Blocked Products



All Users



Blocked Users

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