

# UNIT-4

## AJAX, PHP, MSQl all combined And Project

### E-commerce Application Development

1. Create a Shopping Cart Project in PHP Script.
2. Create a Shopping Cart Project in AJAX.

**Unit -4 AJAX,PHP,MSQL all combined And Project****❖ E-commerce Application Development:**

In this unit we will learn how to develop E-commerce Application, here we will learn a business logic of developing any E-commerce Application. In this unit will discuss the modules of E-commerce Application and also discuss the logical steps to create an application with screen shots. Ecommerce or electronic commerce actually means the use of an electronic medium for commercial transactions, We all aware E-commerce application is generally used for online business or any kind of online services which we purchase. E-commerce Application is basically work on Web browsers and it require some Domain name and hosting server also require any kind of Payment API for getting online payment. It is an easy east and fast way to grow business. There are various types of E-Commerce Application are available in market like, Retail and Wholesale Business,online booking, online Marketing, Finance Services, Online Publishing, Digital Advertising, Auctions etc.

**4.1 Project Management:**

Planning before any activity is very much important. And if it is planned nicely, then success is guaranteed. Before starting of any project we require a project planning for better development of any application. Project management involves the planning, monitoring, and control of the people, process, and the events that occurs as involves from a preliminary concept to an operational implementation. Software project management is an umbrella activity within software engineering. Software project management is an umbrella activity within software engineering.

**4.1.1 Project Planning:**

A plan is drawn up at the start of project, should be used as the driver of a project. Selection of suitable software development processes model which we have selected is Evolutionary Process Models. Risk management plan, which involves the risk identification and risk assessments. Project Scheduling, which involves the identification of tasks and duration required for performing tasks. This is described by task representation and the Timeline chart representation. Cost and Effort estimation, which involves estimation of cost as well as effort applied by the developers.

**4.2 Modules of E-commerce Application:**

There are basically three types of Modules are important to develop in any E-commerce Application, Admin Module, Visitor Module, Customer Module. In somehow case based on our business we also develop Supplier Module, Worker/ Agents Module etc. Here in this topic will discuss main modules that are Admin, Visitor and customer.

#### 4.2.1 Admin Module:

This module is used to manage and control the E-commerce Application. It is also mange Products or Services which will be sale on our portal. Admin module is managed by any authenticate person who has rights to handle online business. Through this module admin will manage whole product detail and the product which added in portal will show on customer or visitor portal for purchase. Also admin manage customers details for provide kind service to the customer like delivery of product, Payment Details, Recent view Products, Customer Complain, Customer Rating, Customer Wish list etc. It also manages order details of Customer for tracking an order delivery. It is also mange Supplier or agent's details to manage product purchase. It also manages product stocks.

#### 4.2.2 Visitor Module:

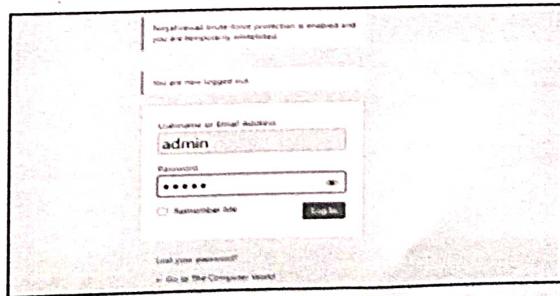
On this module user will do window shopping not purchase any product. User will not register or login in system. Users visit on this module and view only product details or search any product. User also compare product with other products. Visitors also can view feedback of any product or ratting of any product.

#### 4.2.3 Customer Module:

This module is activate for only authenticate users who has already register in our system and do login in our system. User who want to purchase product in our system he/she must register user. In this module user can add product in cart, he/ she also make order from cart and also do payment through any payment gateway. User can also track order in this module. User can also give feedback or ratting for product. Also do complain or any suggestions for product. Customer Module is activate up to the logout, while user will logout from system then he/she is cannot purchase any product but search any product and also view any product details.

### 4.3 Logical Steps with screen shot for Admin Module:

For developing any web application we require a good interactive designs. For developing an interactive template design we can use HTML5, Bootstrap, CSS, Jquer, Javascript etc.. Our frist step is to develop template for Admin module which is helpful and interactive for any admin to manage our application. Through this module admin will manage customer, product, order, payment details etc.



This is a login page for admin where admin will enter Username and password for managing a system. After login verification there will be a dashboard or Home page for admin will open to manage a system, otherwise it will show error message.

Title	Unread	Total
Career	1	1
Contact Us	325	325
Publish With Us	1	2
Study A Course	4	4

This is a dash board for admin, where admin can manage hole system, there are different tabs and links are available for admin to enter inside that to manage system. Admin can manage product category, sub category, products, user etc.

Name	Count
Uncategorized	0
Accounting	10
BCA Books	21
— Fifth Sem. BCA	5
— First Sem. BCA	4
— Fourth Sem. BCA	5
— Second Sem. BCA	4

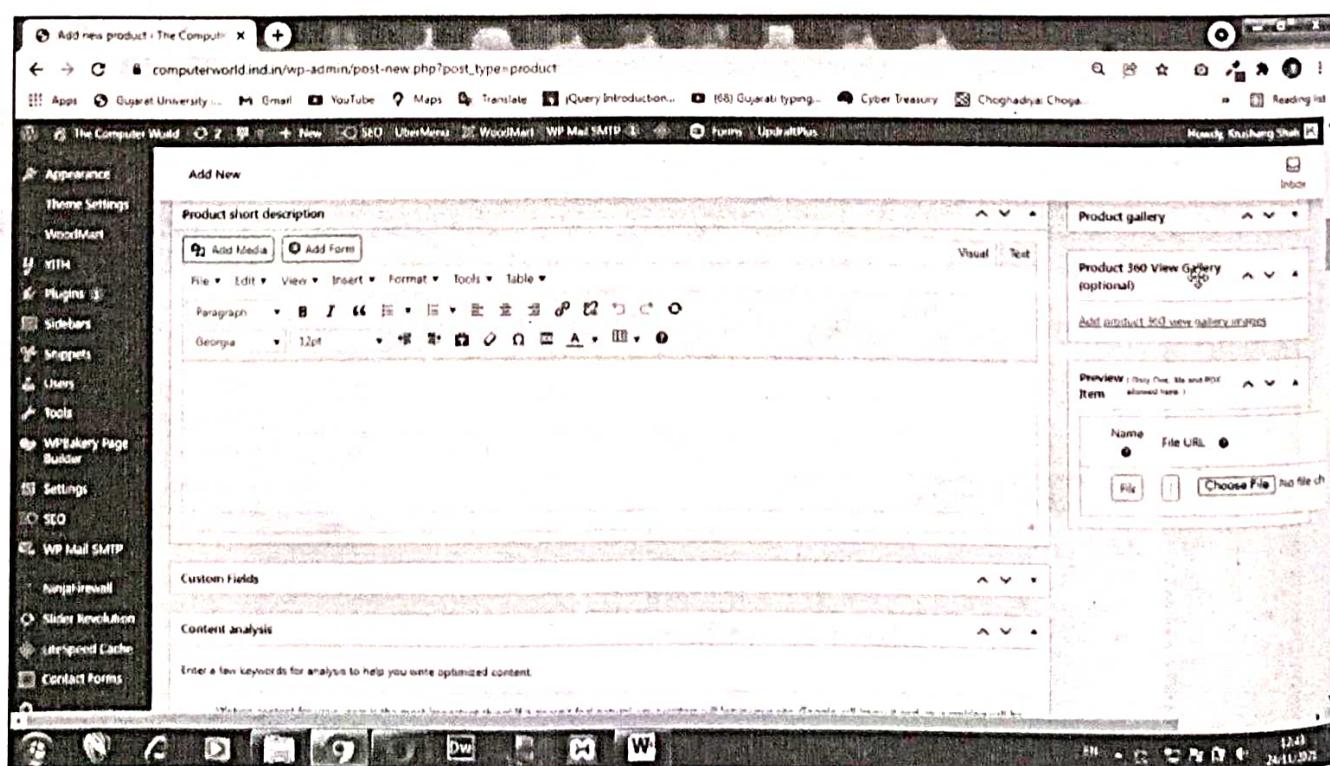
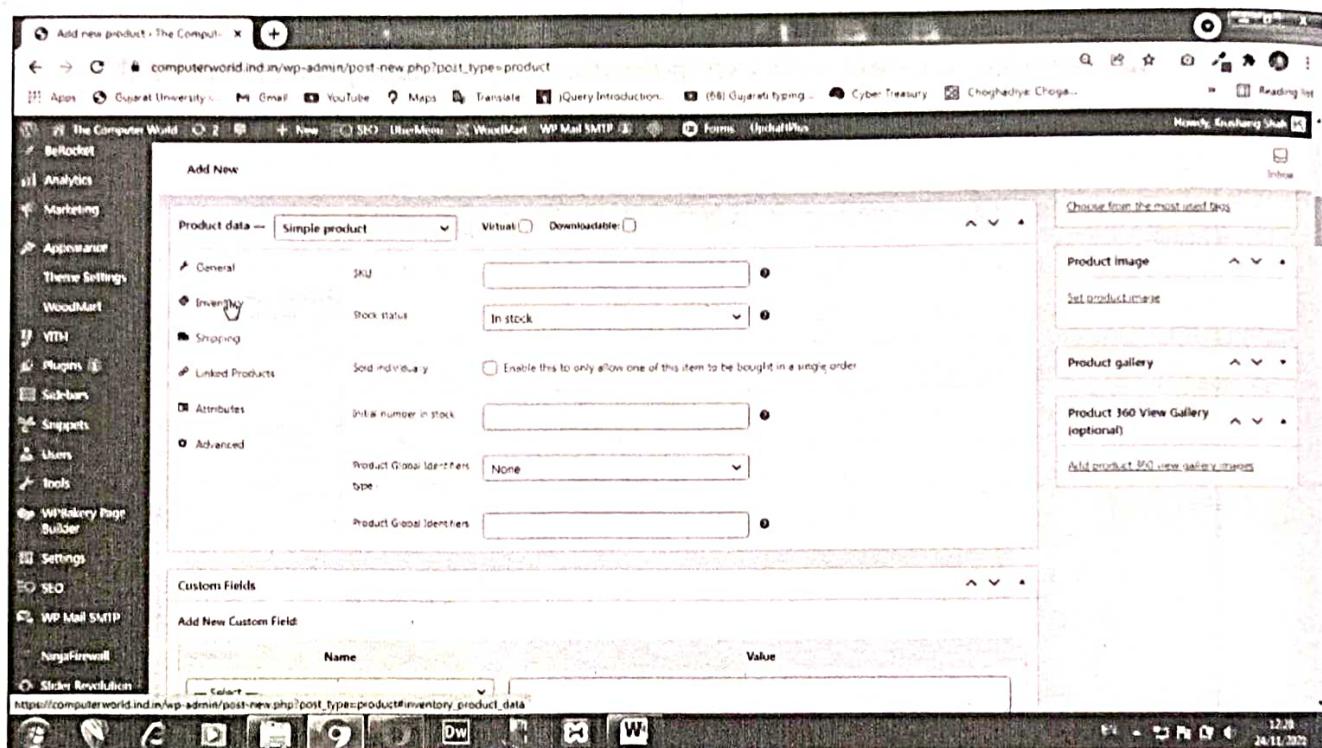
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This page is for add new category for product. Where admin will add product category, also it can view previously added category for update and delete that category. After adding category that category will use in product page to add product under that category.

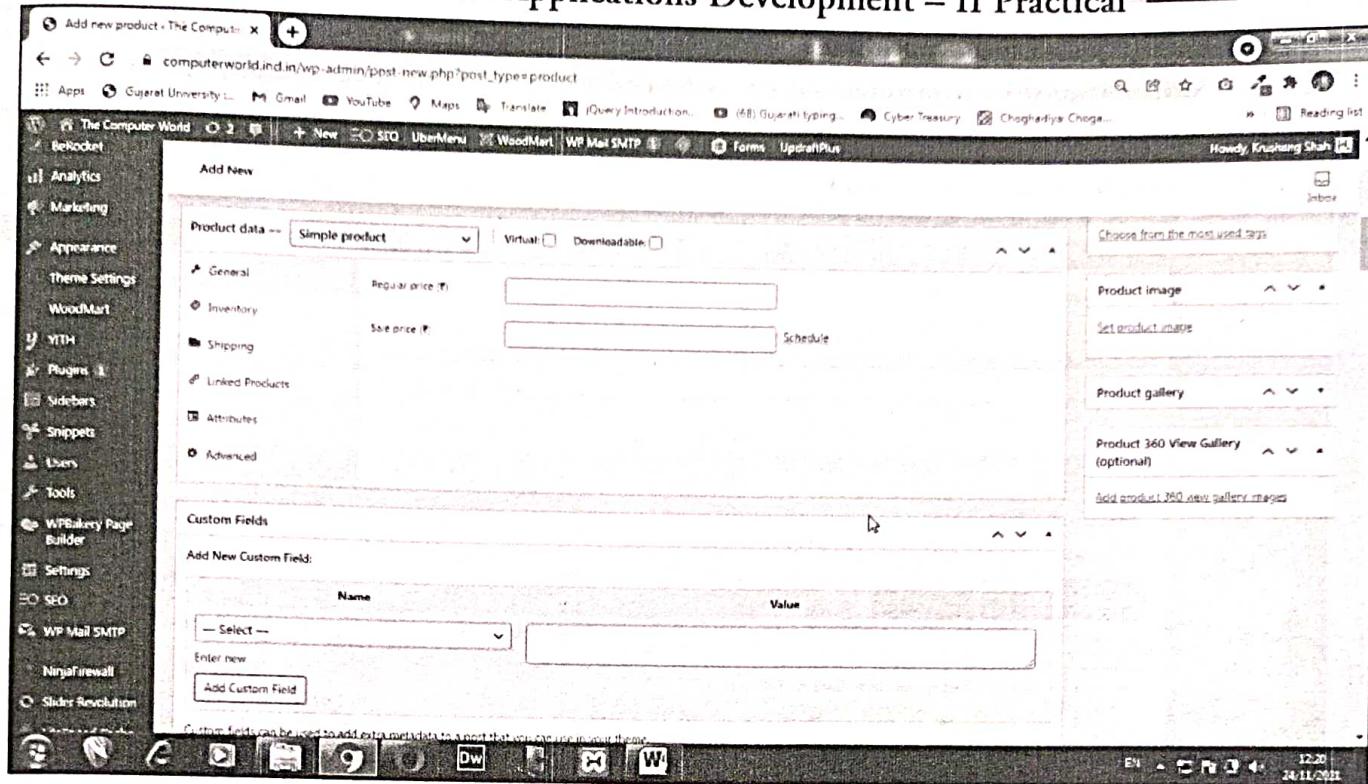
Image	Name	Description	Slug	Count
	Uncategorized	—	uncategorized	0
	Accounting	—	accounting	10
	BCA Books	—	bcabooks	21
	— First Sem. BCA	—	first-sem-bca	3
	— Fourth Sem. BCA	—	fourth-sem-bca	5
	— Fifth Sem. BCA	—	fifth-sem-bca	4
	— Second Sem. BCA	—	second-sem-bca	4

This is a list of category which is added by admin. While admin enter any category will list here.

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This page for new product page. In this page user will add all the details regarding product like name, category, details of product, price, quantity, discount, images of product etc.

Name	SKU	Price	Categories	Tags	Date	Title tag	Meta Desc
Microsoft Office 2013		₹349.00	Computer Books, Gujarati Book		Published 2021/09/13 at 1:59 pm		
Microsoft Office 2013 Guj — Draft		₹349.00	Computer Books, Gujarati Book	2013, access, excel, In, Gujarati, Microsoft, Ms Office 2013, office, 2013, office 2013 in, Gujarati, power point, word	Last Modified 2021/09/09 at 3:21 pm		
CC-303 Computer Network		₹85.00	BCA Books, English Books, Fifth Sem, BCA, Hardware, Networking & Ethical Hacking		Published 2020/12/01 at 5:46 pm		
CC-302 Python Programming with CC-304 Practical		₹130.00	BCA Books, English Books, Fifth Sem, BCA, Programming		Published 2020/12/01 at 5:27 pm		
CC-301 Web Application Development- I (Using C++) with CC-304 Practical		₹199.00	BCA Books, English Books, Fifth Sem, BCA, Programming		Published 2020/12/01 at 5:18 pm		

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This is product list page where admin will view list of all the product which are added for sale. It will show you summaries detail of product.

The screenshot shows the WordPress admin dashboard with the 'Edit Product' screen for a post titled 'Microsoft Office 2013'. The left sidebar has a 'Products' section under 'WooCommerce'. The main area shows the product details: a title 'Microsoft Office 2013', a permalink, and a rich text editor. A 'Product categories' sidebar on the right lists categories like 'Computer Books' and 'Gujarati Book' with checkboxes. A preview image of the product is shown at the bottom.

The screenshot shows the WoodMart plugin's 'Edit Product' screen for a post titled 'Microsoft Office 2013'. The left sidebar lists various YITH and WoodMart plugins. The main area shows product general settings, a short description editor, and a product image preview. The product image shows a book cover for Microsoft Office 2013.

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When admin will click on Product title or Edit it will open one form with filled value of product which can edit, after editing value when press submit button it will show you new details of product.

Same admin can also delete that product by pressing delete button or trash button which place in the raw of the product. When user click on that button that particular product will delete only.

The screenshot shows a WordPress admin dashboard titled 'Users'. The URL is 'computerworld.ind.in/wp-admin/users.php'. The page displays a list of 775 users. The columns include 'Username', 'Name', 'Email', 'Role', and 'Posts'. Each user row has a checkbox, a profile picture, and a set of actions: 'Edit', 'Delete', 'View', 'Send password', and 'reset'. A search bar at the top right says 'Search Users'.

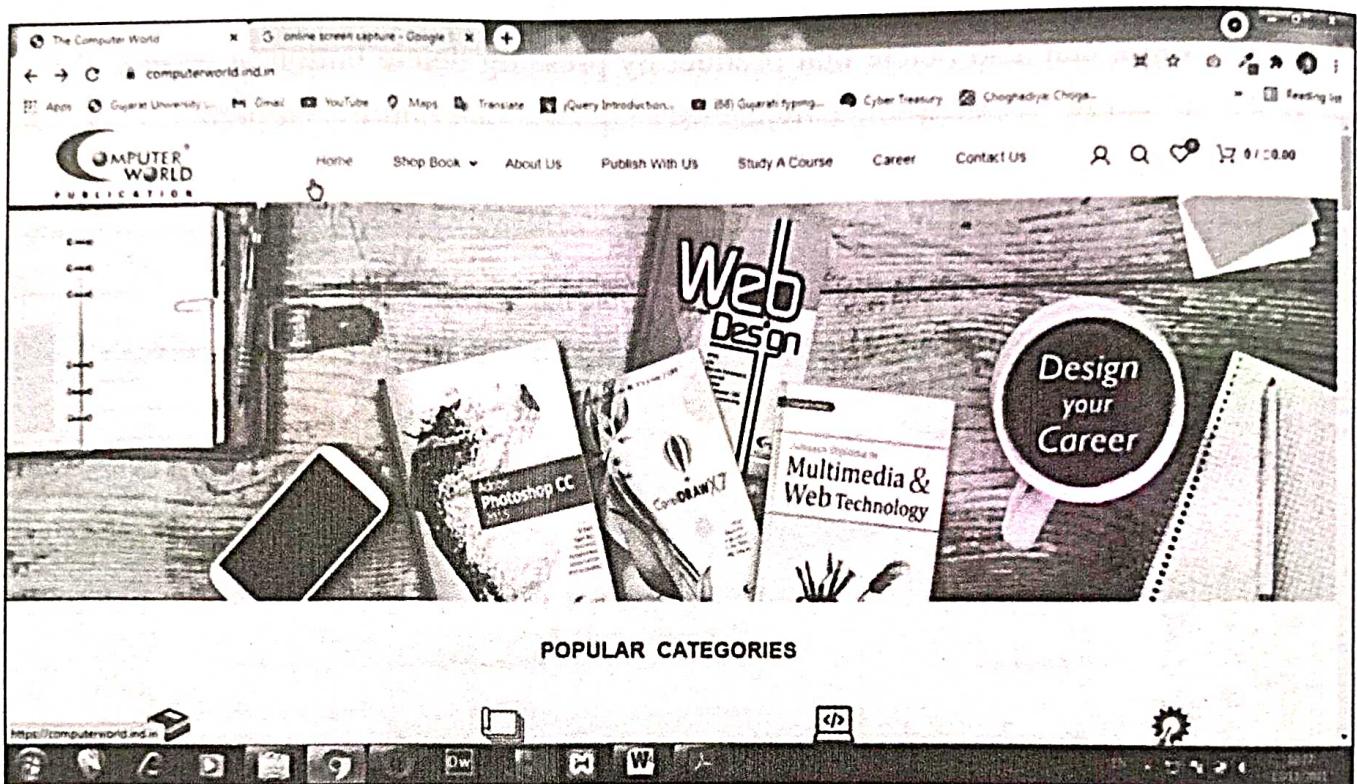
Username	Name	Email	Role	Posts
@shish	Ashish Chaudhary	chauashish21@gmail.com	Customer	0
1000tab		ankittricks.07@gmail.com	Customer	0
91rinkupatel		91rinkupatel10@gmail.com	Customer	0
9429207136	Pinky Patel	patelypinkypinkypatel@gmail.com	Customer	0
9537596156		gmr040597@gmail.com	Customer	0
9517718882		meghrajchauhan7@gmail.com	Customer	0

This is all users list where admin can view users who are register in our system. Admin can view profile of that user. Admin will select that user and can view profile. Also admin can delete the user by clicking on delete or trash button place inside row of record.

### 4.4 Logical Steps with screen shot for UserModule:

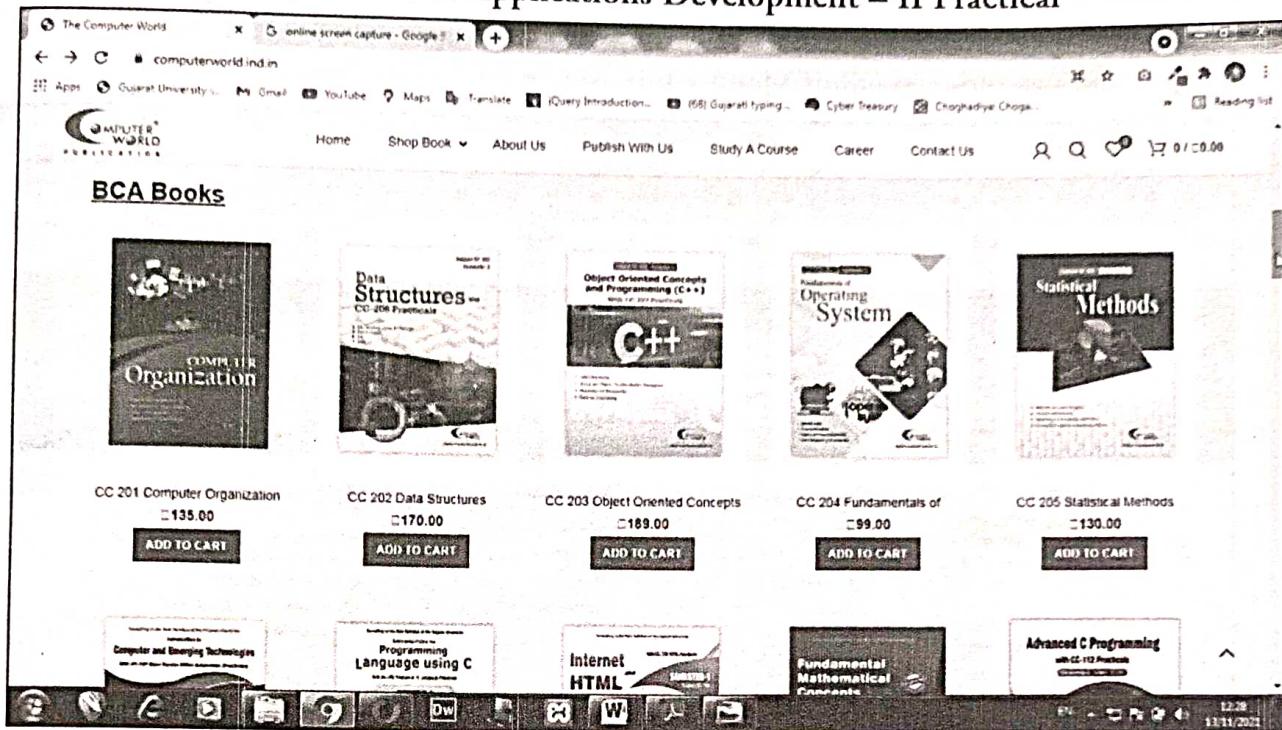
For developing any web application we require a good interactive design. For developing an interactive template design we can use HTML5, Bootstrap, CSS, JQuery, JavaScript etc.. Our first step is to develop template for Customer or Visitor module which is helpful and interactive for any user to view well manage content of website, and view product details in proper manner. Through this module user can view whole information of Company, Contact detail, Product Detail, Cart detail, Order detail etc.

Here in our topic we are taking one E-commerce Application Screenshots for better understanding

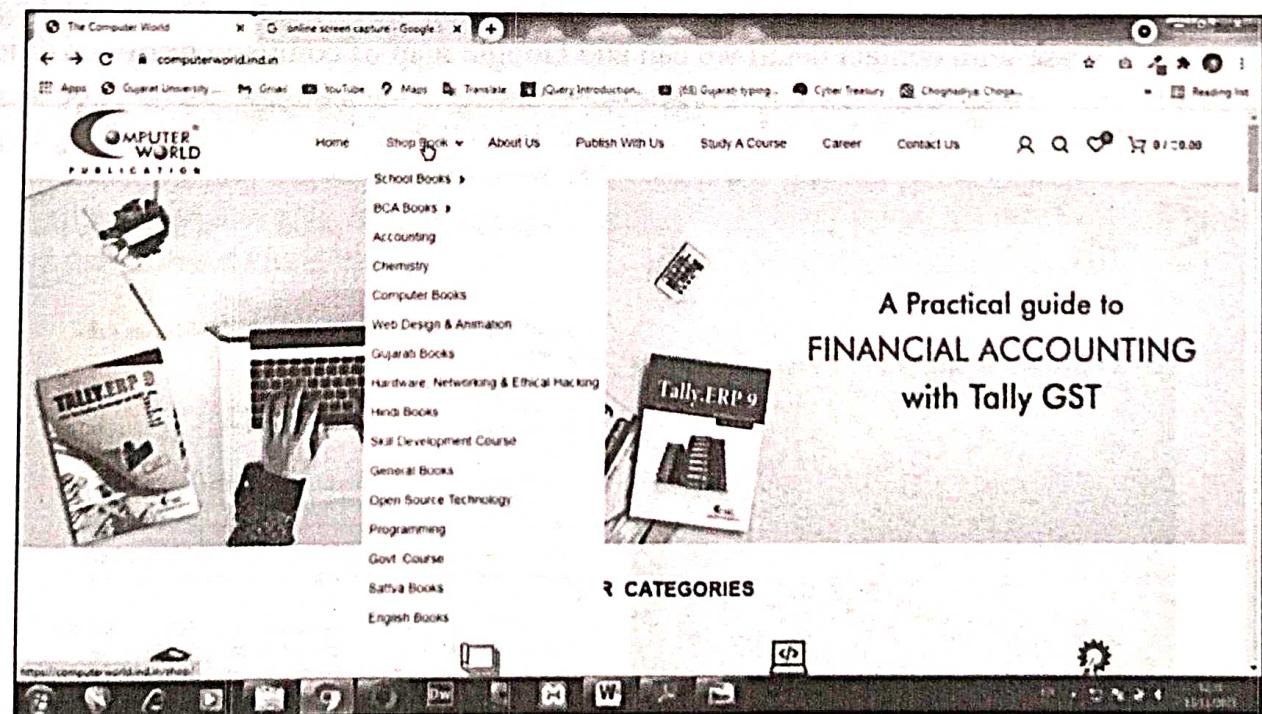


This is a Home page for customer/ visitor module where user can view primary information of application and product. On this page we can also view the structure of web page where different content is set for bet interaction. There should be logo of company, navigation Manu, cart, are set on header of page. Popular Product Category, any other content of company can set on center of page and important links, contact details, social medial links etc. are visible on footer of home page.

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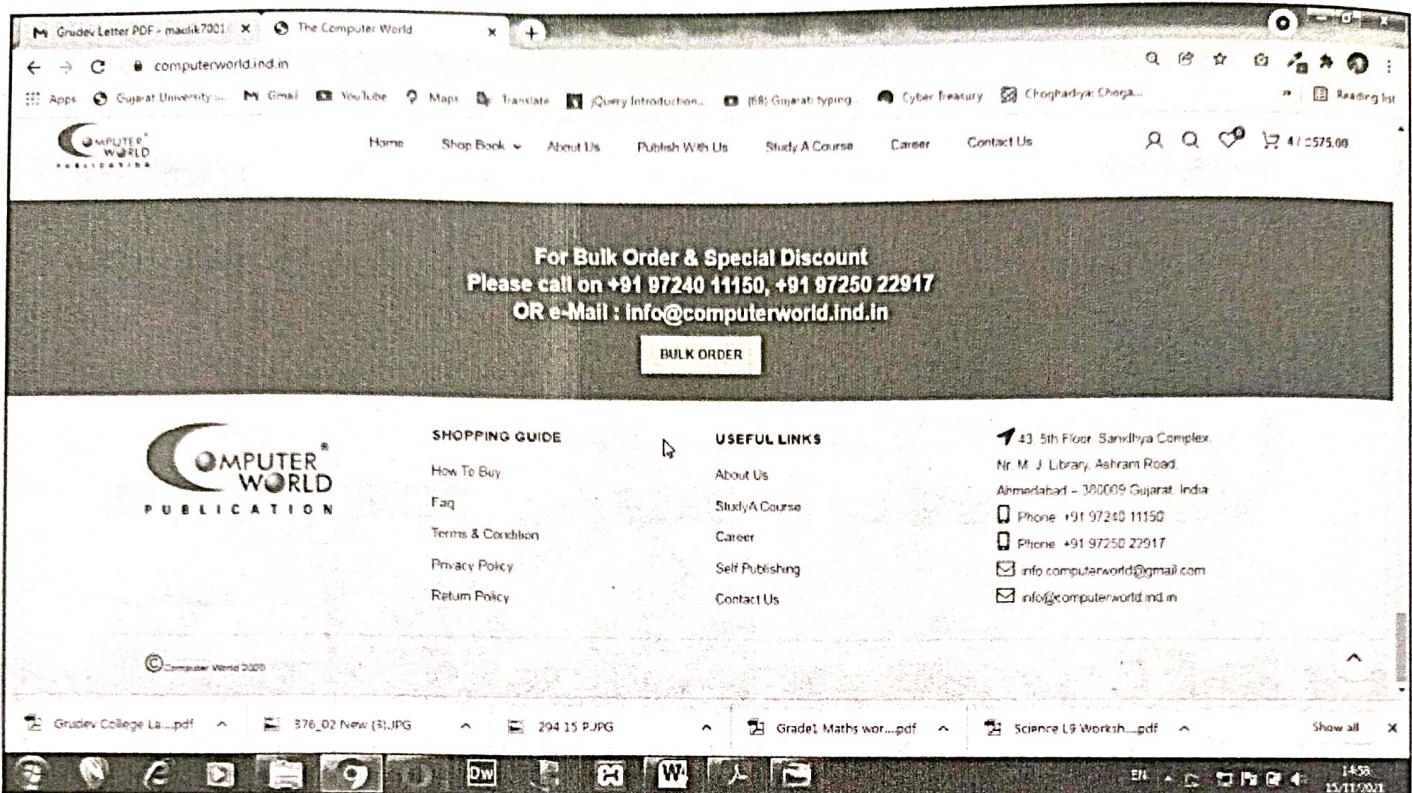
This is also a home page where product name, price and image of product visible under the category of product. User can add product in to the cart by clicking Add to cart button.



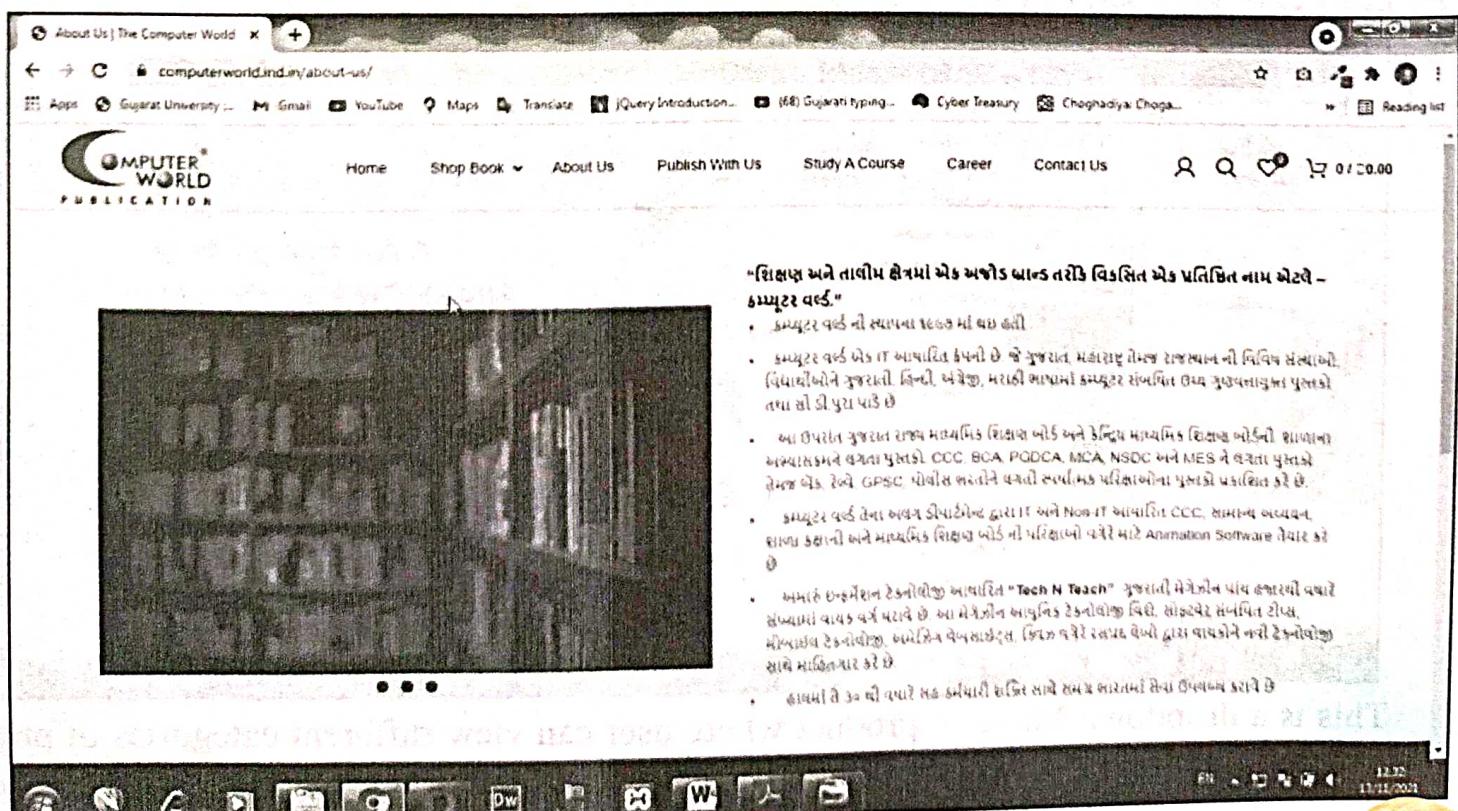
This is a dropdown Manu of product where user can view different categories of product and by clicking on category user will redirect on that category page and will show

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products list of that category. This dropdown is design using jQuery and CSS, which work on mouse move event of Manu.

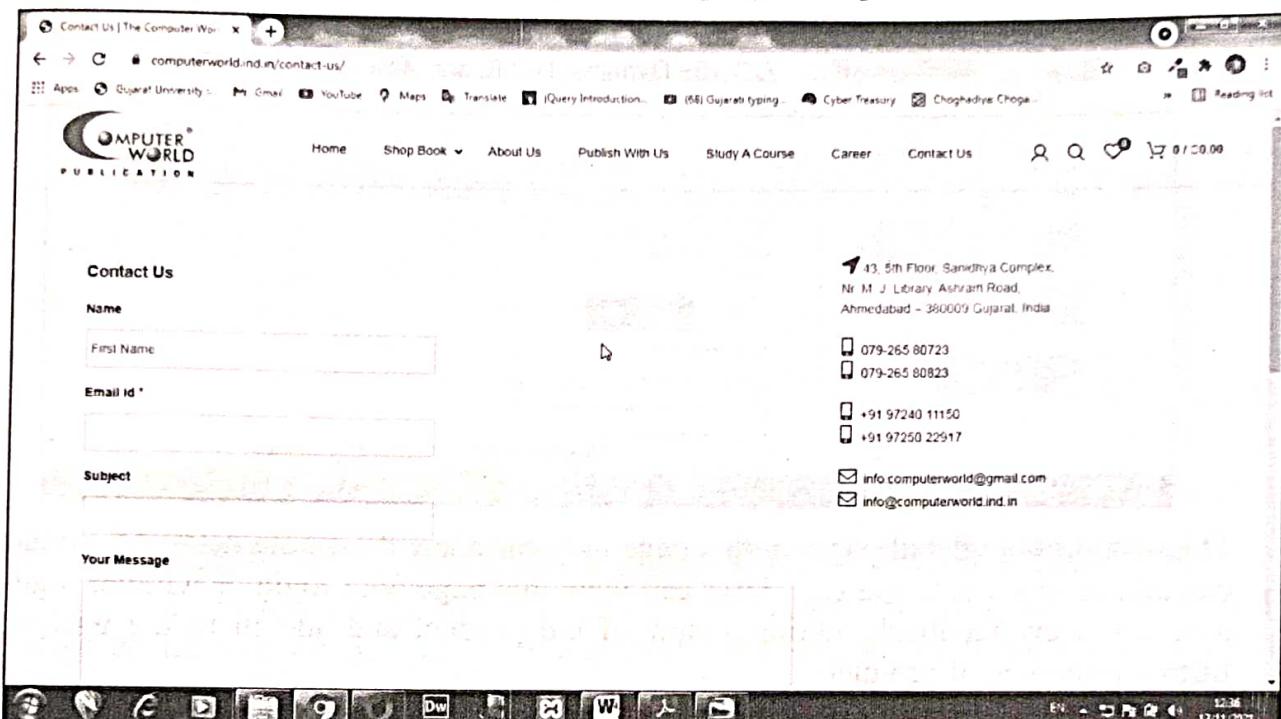


This a footer of webpage where we can see the company logo, some important links and contact details. Copyright and trademark information also visible on footer page. In somehow case with contact detail we can add Google map of company or organization.

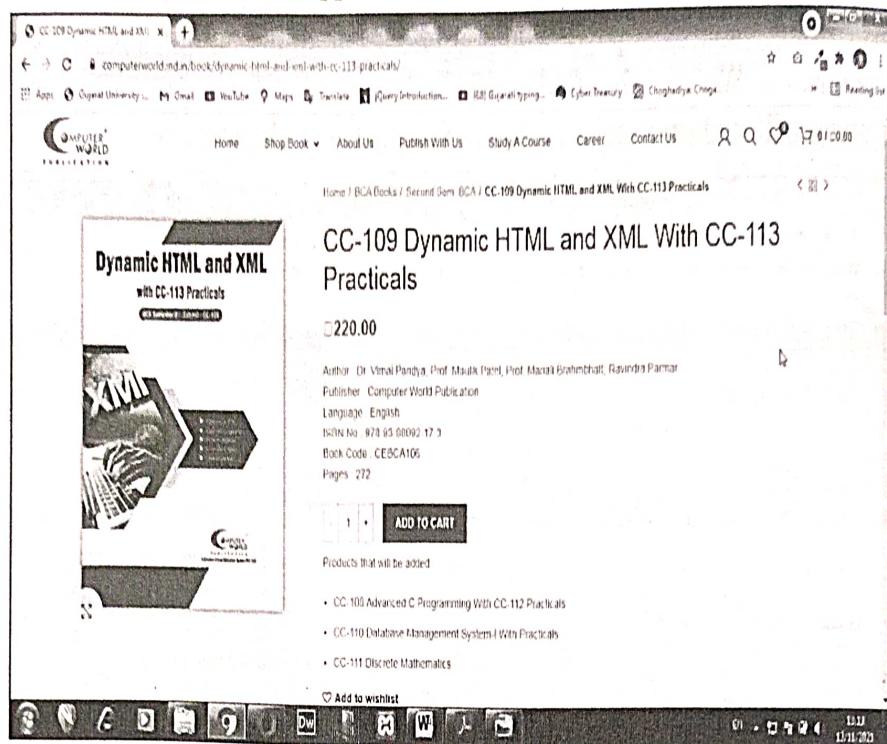


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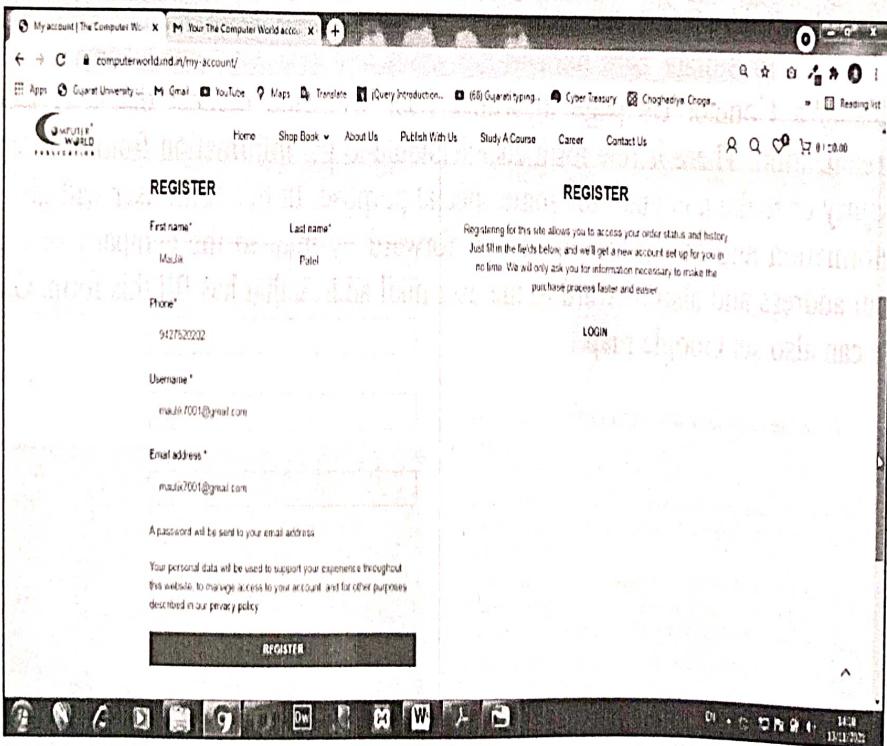
This is an About Us page where user can find the information of Company or Organization. We can also find vision and mission of Company on this page. On this page you will find some achievements of Company or Organization.



This is a Contact Us page in which User will find contact detail of Company or Organization. There is one form also available to get information from user regarding an inquiry or make a contact for some special purpose. In this form user will give sufficient information and that information will forward by mail to the company or organization mail address and also forward to the user mail address that has fill this form. On this page we can also set Google map.



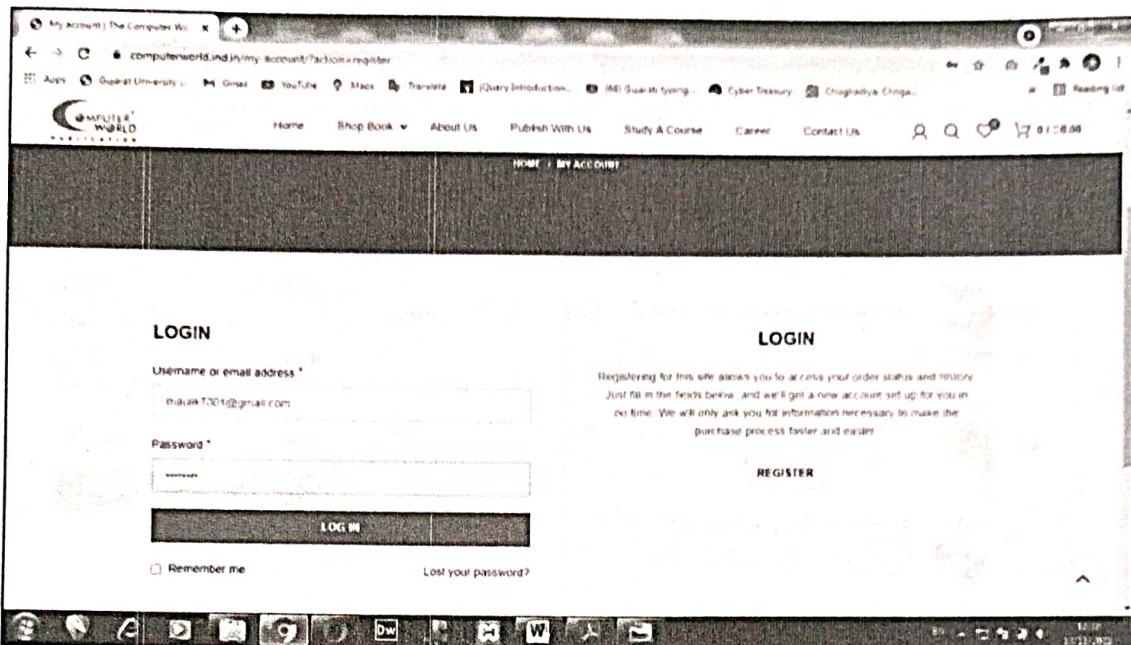
This is a product detail page on this page user can view the whole detail of product also can add product in to the cart. User can view this page with login or without login. Also user can view feedback, rating, review of the product and add in to the wish list for further reference of product.



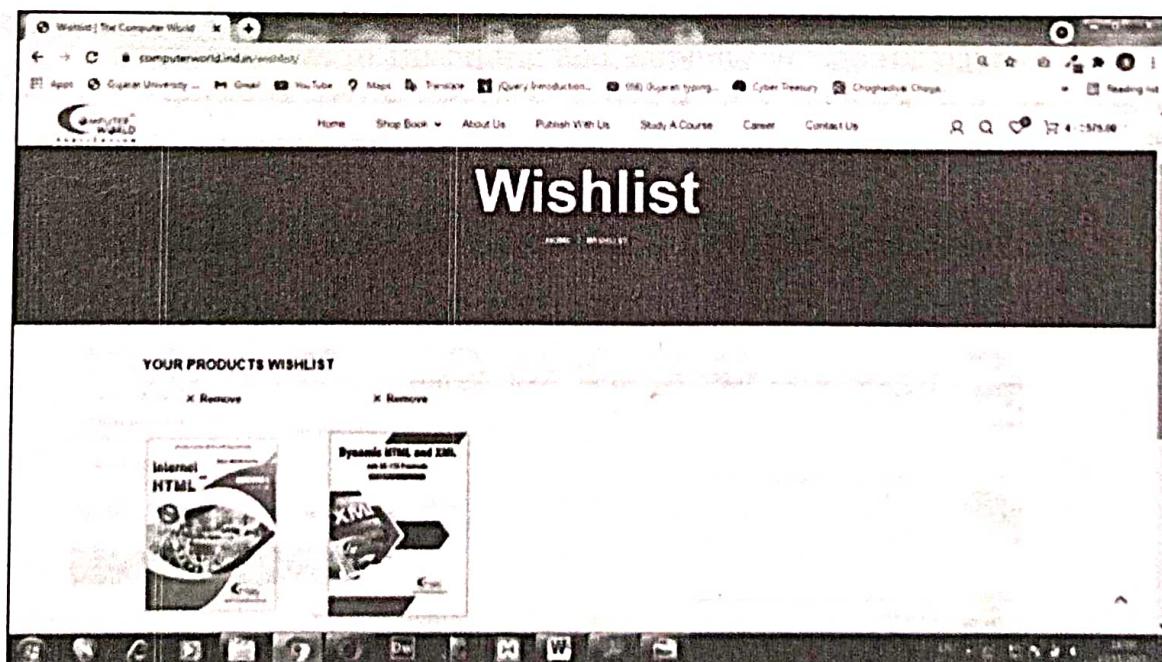
Registration page in this page user who want to be a member of any Organization or who want to purchase any product need to register him/her self. Register user will be a part of authenticate user of system. He /she will register in system by filling registration form, organization add require fields in form to get sufficient information of user. After registration user will get login detail to be an authenticate user. User has to register in the

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system first time, after registration user will come in to the system by doing login process only.



This is a login form. User will use login authentications to come into the system. Here login details will verify in database if user has enter proper username and password then will enter into the system. After Login in to the system user can purchase any product, give feedback, give rating, do complain for product or service, add product in to the wish list etc.



This is a wish list page this page is same like cart page in this page user can add product for further reference. Wish list is made by user because he/she can easily view the

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product detail and no need to search product. In wish list user can add one or more product, which he/she likes and they can compare or forward to the other for reference.

PRODUCT	PRICE	QUANTITY	SUBTOTAL
CC-109 Dynamic HTML and XML With CC-113 Practicals	₹220.00	2	₹440.00
CC-108 Advanced C Programming With CC-112 Practicals	₹110.00	1	₹110.00
CC-110 Database Management System-I With Practicals	₹120.00	1	₹120.00
CC-111 Discrete Mathematics	₹125.00	1	₹125.00

**CART TOTALS**

Subtotal	₹710.00
Shipping	Flat rate ₹105.00 Shipping to Ahmedabad 380050, Gujarat
Total	₹715.00

**PROCEED TO CHECKOUT**

This is a Cart page on this page user can view shopping cart,in the cart products are added. User can update cart by increasing or decreasing an quantity of product.

PRODUCT	PRICE	QUANTITY	SUBTOTAL
CC-109 Dynamic HTML and XML With CC-113 Practicals	₹220.00	2	₹440.00
CC-108 Advanced C Programming With CC-112 Practicals	₹110.00	2	₹220.00
CC-110 Database Management System-I With Practicals	₹120.00	2	₹240.00
CC-111 Discrete Mathematics	₹125.00	2	₹250.00

**CART TOTALS**

Subtotal	₹1,420.00
Shipping	Flat rate ₹270.00 Shipping to Ahmedabad 380050, Gujarat
Total	₹1,510.00

**PROCEED TO CHECKOUT**

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This is cart page in which user can update quantity of product and based on updating quantity new price is calculated and show you in total amount before check out. When user click on Proceed to Checkout it will open an Order page.

The screenshot shows a web browser window with the URL [computerworld.indian/checkout/](http://computerworld.indian/checkout/). The page is titled "Checkout | The Computer World". At the top, there's a navigation bar with links to Home, Shop Book, About Us, Publish With Us, Study A Course, Career, Contact Us, and a search bar. A shopping cart icon indicates a total of ₹ 710.00.

**BILLING DETAILS**

First name *	Last name *
Maulik	Patel
Company name (optional)	

**COUNTRY / REGION \***  
India

**STREET ADDRESS \***  
44/B Rajbag Society Canal Road Ghodasra

**TOWN / CITY \***  
Ahmedabad

**STATE \***  
Gujarat

**YOUR ORDER**

PRODUCT	SUBTOTAL
CC-109 Dynamic HTML and XML With CC-113 Practicals × 1	₹ 220.00
CC-108 Advanced C Programming With CC-112 Practicals × 1	₹ 110.00
CC-110 Database Management System With Practicals × 1	₹ 120.00
CC-111 Discrete Mathematics × 1	₹ 125.00
<b>Subtotal</b>	₹ 575.00
<b>Shipping</b>	Flat rate: ₹ 135.00
<b>Total</b>	₹ 710.00

This is an Order page on that page user can view final products which he/she has purchased. Also user has to fill billing and shipping details for payment and delivery of good. While user click on place order he/ she will redirect on payment gateway where user has to pay amount according to it's bill detail. Then user will get the confirmation of payment and also get shipping number to track order.

