

A Project Report on

E-Commerce Website

Full-Stack Web Development Project Report



Submitted by-

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MCET-WEB DEVELOPMENT BATCH 2022-23.

Department of Computer Science & Engineering.

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Murshidabad College of Engineering & Technology.

Berhampore, West Bengal, India, 742102.

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E-Commerce Website

**Under Guidance of
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Ardent Computech Pvt Ltd (An ISO 9001:2008 Certified)
CF-137, Sector - 1, Salt Lake City, Kolkata - 700 064

A **Project Report**

Submitted in Partial Fulfilment of the Requirements for the Award of
the Full-Stack Web Development Internship Certificate of Completion.

Project Carried Out At



Ardent Computech Pvt Ltd (An ISO 9001:2008 Certified)
CF-137, Sector - 1, Salt Lake City, Kolkata - 700 064

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E-Commerce Website

ARDENT COMPUTECH PVT.LTD.

Ardent Computech Private Limited is an ISO 9001-2008 certified Software Development Company in India. It has been operating independently since 2003. It was recently merged with ARDENT TECHNOLOGIES.

Ardent Technologies

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Ardent is an ISO 9001:2008 company.

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E-Commerce Website

Introduction:

E-commerce websites have revolutionized the way people buy and sell products online. With the increasing popularity of online shopping, businesses need a platform to sell their products or services online. The objective of this project is to design and develop an E-commerce website that allows businesses to sell their products online and customers to buy products conveniently.

Objectives:

The objectives of the E-commerce website project are as follows:

- To design and develop a user-friendly website that provides customers with a seamless shopping experience.
- To create a platform for businesses to sell their products or services online.
- To develop a secure checkout process that protects customer data.
- To create an order management system that allows the store owner to manage orders efficiently.
- To create a responsive design that is optimized for mobile devices.

Features of the E-commerce Website:

The E-commerce website will have the following features:

User Registration and Login: Users will be required to register and create an account on the website. They can log in to their account to make purchases and view their order history.

Product Listings: The website will display a list of products that are available for sale. Each product will have a product image, description, price, and other relevant details.

Shopping Cart: Customers will be able to add items to their shopping cart and view the total cost of their purchases.

Checkout: The website will have a secure checkout process that allows customers to enter their payment and shipping information. They will receive a confirmation email once their order has been placed.

Admin Panel: The website will have an admin panel. Admin can log in to their admin account using log in credentials. The **Admin Panel** is the backend of your website that enables you to add, delete, update, edit, or modify your website whenever needed.

Order Management: The website will have an order management system that allows the store owner to view and manage orders. The system will include order tracking, order history, and order fulfilment.

Search Functionality: The website will have a search bar that allows customers to search for specific products. The search functionality will include product filters, sorting, and advanced search options.

Reviews and Ratings: Customers will be able to leave reviews and ratings for products they have purchased. The reviews and ratings will help other customers make informed decisions about the products.

Customer Support: The website will have a customer support section that allows customers to contact the store owner with any questions or concerns. The customer support section will include a contact form, phone number, and email address.

Technologies Used:

The E-commerce website will be developed using the following technologies:

HTML, CSS, and JavaScript: These technologies will be used to design and develop the front-end of the website. The website will have a responsive design that is optimized for mobile devices.

PHP: PHP will be used to develop the back-end of the website. PHP is a server-side scripting language that is used to create dynamic web pages.

MySQL: MySQL will be used to store and manage the website's data. MySQL is an open-source relational database management system that is widely used for web applications.

Bootstrap: Bootstrap will be used to create a responsive design that is optimized for mobile devices. Bootstrap is a popular front-end development framework that simplifies the development process.

SYSTEM ANALYSIS

IDENTIFICATION OF NEED

System analysis is a process of gathering and interpreting facts, diagnosing problems and the information to recommend improvements on the system. It is a problem-solving activity that requires intensive communication between the system users and system developers. System analysis or study is an important phase of any system development process. The system studies the minutest detail and gets analyzed. The system analyst plays the role of the interrogator and dwells deep into the working of the present system. The System is viewed as a whole and the input to the system are identified. The outputs from the organization are traced to the various processes. System analysis is concerned with becoming aware of the problem, identifying the relevant and Decisional variables, analysis and synthesizing the various factors and determining an optimal or at least a satisfactory solution or program of action.

A detailed study of the process must be made by various techniques like interviews, questionnaires etc. The data collected by these sources must be scrutinized to arrive to a conclusion. The conclusion is an understanding of how the system functions. This system is called the existing system. Now the existing system is subjected to close study and problem area are identified. The designer now functions as a problem solver and tries to sort out the difficulties that the enterprise faces. The solution is given as proposals. The proposal is then weighed with the existing system analytically and the best one is selected. The proposal is presented to the user for an endorsement by the user. The proposal is reviewed on user request and suitable changes are made. This is loop that ends as soon as the user is satisfied with proposal.

FEASIBILITY STUDY

Feasibility study is made to see if the project on completion will serve the purpose of the organization for the amount of work.

Effort and the time that spend on it. Feasibility study lets the developer foresee the future of the project and the usefulness. A Feasibility study of a system proposal is according to its workability, which is the impact on the organization, ability to meet their user needs and effective use of resources. Thus, when a new application is proposed it normally goes through a feasibility study before it is approved for development.

The document provides the feasibility of the project that is being designed and lists various area that were considered very carefully during the feasibility study of this project such as Technical, Economic and operational feasibilities.

WORK FLOW

This Document plays a vital role in the development life cycle (SDLC) as it describes the complete requirement of the system. It is meant for use by the developers and will be the basic during testing phase. Any changes made to the requirements in the future will have to go through formal change approval process.

The Waterfall Model was first Process Model to be introduced. It is also referred to as a linear-sequential life cycle model. It is very simple to understand and use. In a waterfall model, each phase must be completed before the next phase can begin and there is no overlapping in the phases.

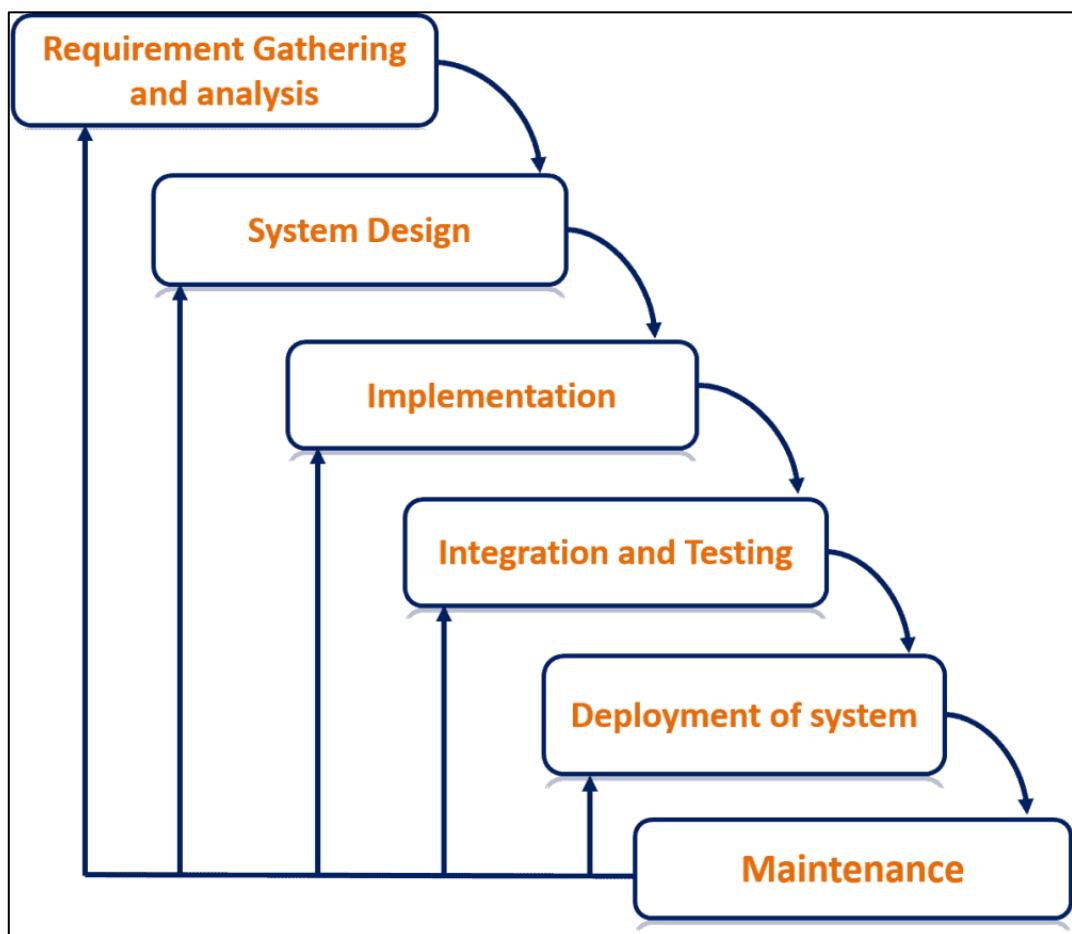
Waterfall model is the earliest SDLC approach that was used for software development.

The waterfall Model illustrates the software development process in a linear sequential flow; hence it is also referred to as a linear-sequential life cycle model. This means that any phase in the development process begins only if the previous phase is complete. In waterfall model phases do not overlap.

Waterfall Model design

Waterfall approach was first SDLC Model to be used widely in Software Engineering to ensure success of the project. In "The Waterfall" approach, the whole process of software development is divided into separate phases. In Waterfall model, typically, the outcome of one phase acts as the input for the next phase sequentially.

Following is a diagrammatic representation of different phases of waterfall model.



The sequential phases in Waterfall model are:

- **Requirement Gathering and analysis:** All possible requirements of the system to be developed are captured in this phase and documented in a requirement specification doc.
- **System Design:** The requirement specifications from first phase are studied in this phase and system design is prepared. System Design helps in specifying hardware and system requirements and also helps in defining overall system architecture.
- **Implementation:** With inputs from system design, the system is first developed in small programs called units, which are integrated in the next phase. Each unit is developed and tested for its functionality which is referred to as Unit Testing.
- **Integration and Testing:** All the units developed in the implementation phase are integrated into a system after testing of each unit. Post integration the entire system is tested for any faults and failures.
- **Deployment of system:** Once the functional and non-functional testing is done, the product is deployed in the customer environment or released into the market.
- **Maintenance:** There are some issues which come up in the client environment. To fix those issues patches are released. Also, to enhance the product some better versions are released. Maintenance is done to deliver these changes in the customer environment.

All these phases are cascaded to each other in which progress is seen as flowing steadily downwards (like a waterfall) through the phases. The next phase is started only after the defined set of goals are achieved for previous phase and it is signed off, so the name "Waterfall Model". In this model phases do not overlap.

Waterfall Model Application

Every software developed is different and requires a suitable SDLC approach to be followed based on the internal and external factors. Some situations where the use of Waterfall model is most appropriate are:

- Requirements are very well documented, clear and fixed.
- Product definition is stable.
- Technology is understood and is not dynamic.
- There are no ambiguous requirements.
- Ample resources with required expertise are available to support the product.
- The project is short.

The advantage of waterfall development is that it allows for departmentalization and control. A schedule can be set with deadlines for each stage of development and a product can proceed through the development process model phases one by one.

Development moves from concept, through design, implementation, testing, installation, troubleshooting, and ends up at operation and maintenance. Each phase of development proceeds in strict order.

STUDY OF THE SYSTEM

Modules:

The modules used in this software are as follows:

- **LOGIN:** This module is for ADMIN and USER/CUSTOMER. Admin and Users can Login through their username and password and can also create account if don't have any account.

ADMIN has the authority to Insert, Update and Delete Products, view orders and manage orders and customer details. User/Customer can view & order their required products and can give feedback.

- **HOME:** This page contains an overview of the E-Commerce website, product listings, Offers and many more.
- **User Page:** This page is customized for users. Users can login to this page and can see the products listed and can order their required products and can also manage the orders, view the orders and can add any items to cart or delete it.
- **Admin Page:** This page is customized for admin. Admin can login to this page and can see the products listed and can Insert, Update and Delete the products and all such will also reflect to the User Page. They can view the items ordered by Users/Customers and can manage the orders and customer details.

SOFTWARE REQUIREMENT SPECIFICATIONS:

Software Requirements Specification provides an overview of the entire project. It is a description of a software system to be developed, laying out functional and non-functional requirements. The software requirements specification document enlists enough and necessary requirements that are required for the project development. To derive the requirements, we need to have clear and thorough understanding of the project to be developed. This is prepared after the detailed communication with project team and the customer.

The developer is responsible for: -

- ✓ Developing the system, which meets the SRS and solving all the requirements of the system?
- ✓ Demonstrating the system and installing the system at client's location after acceptance testing is successful.
- ✓ Submitting the required user manual describing the system interfaces to work on it and also the documents of the system.
- ✓ Conducting any user training that might be needed for using the system.
- ✓ Maintain the system for a period of one year after installation.

HARDWARE REQUIREMENTS:

- Computer that has a 1.6GHz or faster processor.
- RAM of 4 GB or Higher Space.
- HDD 20 GB Hard Disk Space and Above Hardware Requirements.

SOFTWARE REQUIREMENTS:

- WINDOWS OS (Windows 7, 8, 10 or 11).
- IDE (VS CODE or Sublime Text or any other IDE).
- Xampp Control Panel with Apache and MySQL.

Functional Requirements:

Functional requirements are responsible for the behaviour of your website and can vary as per the needs and business industry niche. Here are the other important functional requirements that you must consider for your e-commerce store:

1. **Mobile Responsive**
2. **Home Page** with Product listings and Offers
3. **Login Page** for User and Admin and Signup page if they haven't any account.
4. **User Page** customized for users so that they can view and place orders.
5. **Shopping Cart** page where user can save the items they want in the cart, delete them or clear the cart.
6. **Checkout Page** where the user can place order and can checkout the order, do payments etc.
7. **Admin Panel** where the admin can Insert, Delete and Update products and view products, manage orders, products and customer details.

Non-functional Requirements:

As we mentioned above, these requirements are responsible for the positive user experience and optimal website performance.

Here are the major non-functional requirements for which you must give high attention:

1. Usability:

2. Security:

3. Performance:

4. Maintainability:

5. Scalability:

6. Portability and Compatibility:

SYSTEM DESIGN

DATA FLOW DIAGRAM

A **data flow diagram (DFD)** is a graphical representation of the "flow" of data through an information system, modelling its process aspects. A **DFD** is often used as a preliminary step to create an overview of the system, which can later be elaborated.

DFDs can also be used for the visualization of data processing (structured design).

A DFD shows what kind of information will be input to and output from the system, where the data will come from and go to, and where the data will be stored. It does not show information about the timing of process or information about whether processes will operate in sequence or in parallel (which is shown on a flowchart).

This context-level DFD is next "exploded", to produce a Level 1 DFD that shows some of the detail of the system being modelled. The Level 1 DFD shows how the system is divided into sub-systems (processes), each of which deals with one or more of the data flows to or from an external agent, and which together provide all of the functionality of the system as a whole. It also identifies internal data stores that must be present in order for the system to do its job, and shows the flow of data between the various parts of the system.

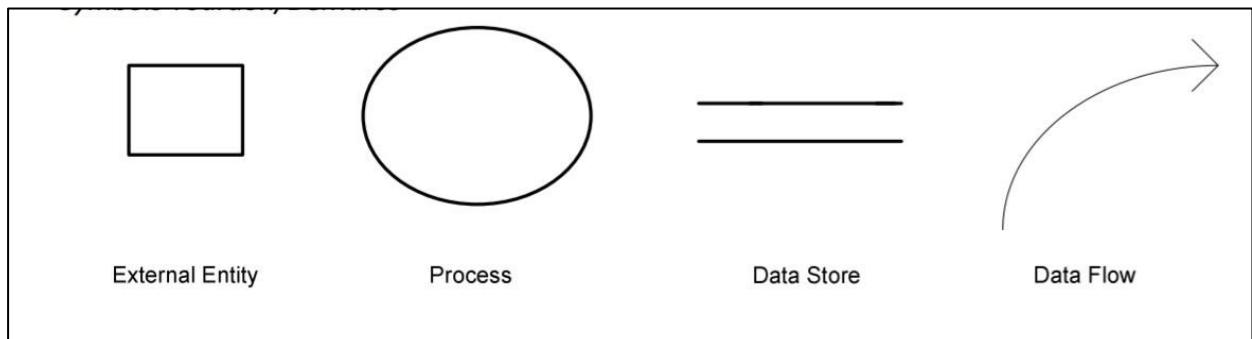
Data flow diagrams are one of the three essential perspectives of the structured-systems analysis and design method SSADM. The sponsor of a project and the end users will need to be briefed and consulted throughout all stages of a system's evolution. With a data flow diagram, users are able to visualize how the system will operate, what the system will accomplish, and how the system will be implemented. The old system's dataflow diagrams can be drawn up and compared with the new system's data flow diagrams to draw comparisons to implement a more efficient system. Data flow diagrams can be used to provide the end user with a physical idea of where the data they input ultimately has an effect upon the structure of the whole system from order to dispatch to report.

How any system is developed can be determined through a data flow diagram model.

In the course of developing a set of *levelled* data flow diagrams the analyst/designer is forced to address how the system may be decomposed into component sub-systems, and to identify the transaction data in the data model.

Data flow diagrams can be used in both Analysis and Design phase of the SDLC. There are different notations to draw data flow diagrams. defining different visual representations for processes, data stores, data flow, and external entities.

DFD Notations:



Steps to Construct Data Flow Diagram: -

Four Steps are generally used to construct a DFD.

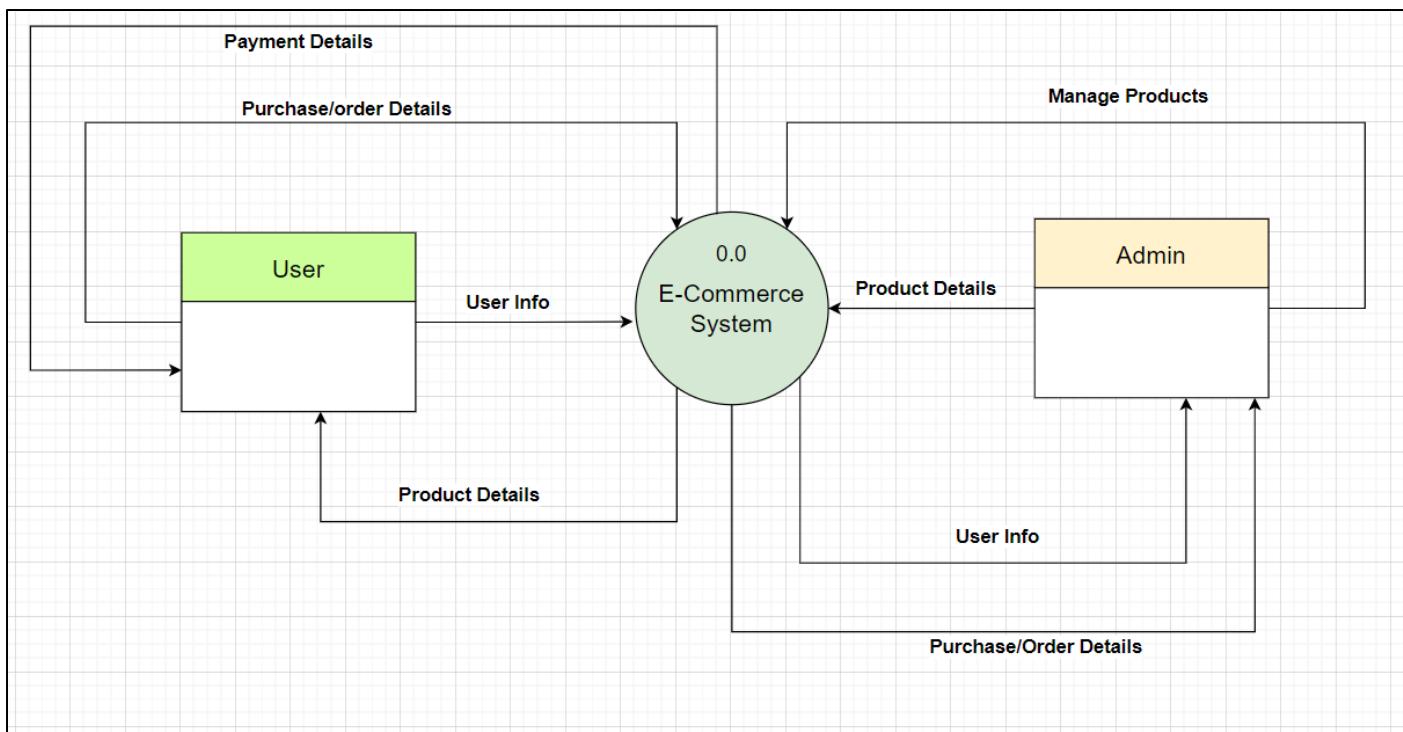
- Process should be named and referred for easy reference. Each name should be representative of the reference.
- The destination of flow is from top to bottom and from left to right.
- When a process is distributed into lower-level details they are numbered.
- The names of data stores, sources and destinations are written in capital letters.

Rules for constructing a Data Flow Diagram: -

- Arrows should not cross each other.
- Squares, Circles, Files must bear a name.
- Decomposed data flow squares and circles can have same names.
- Draw all data flow around the outside of the diagram.

DATA FLOW DIAGRAM (E-Commerce Website)

LEVEL-0 DFD DIAGRAM



ENTITY RELATIONSHIP DIAGRAM

In software engineering, an **entity–relationship model (ER model)** is a data model for describing the data or information aspects of a business domain or its process requirements, in an abstract way that lends itself to ultimately being implemented in a database such as a relational. The main components of ER models are entities (things) and the relationships that can exist among them.

An entity–relationship model is the result of using a systematic process to describe and define a subject area of business data. It does not define business process; only visualize business data. The data is represented as components (entities) that are linked with each other by relationships that express the dependencies and requirements between them, such as: one building may be divided into zero or more apartments, but one apartment can only be located in one building. Entities may have various properties (attributes) that characterize them. Diagrams created to represent these entities, attributes, and relationships graphically are called entity–relationship diagrams.

An ER model is typically implemented as a database. In the case of a relational database, which stores data in tables, every row of each table represents one instance of an entity. Some data fields in these tables point to indexes in other tables; such pointers are the physical implementation of the relationships.

The three-schema approach to software engineering uses three levels of ER models that may be developed.

Conceptual data model

The conceptual ER model normally defines master reference data entities that are commonly used by the organization. Developing

an enterprise-wide conceptual ER model is useful to support documenting the data architecture for an organization. A conceptual ER model may be used as the foundation for one or more logical data models. The purpose of the conceptual ER model is then to establish structural metadata commonality for the master data entities between the set of logical ER models. The conceptual data model may be used to form commonality relationships between ER models as a basis for data model integration.

Logical data model

The logical ER model contains more detail than the conceptual ER model. In addition to master data entities, operational and transactional data entities are now defined. The details of each data entity are developed and the relationships between these data entities are established. The logical ER model is however developed independent of technology into which it can be implemented.

Physical data model

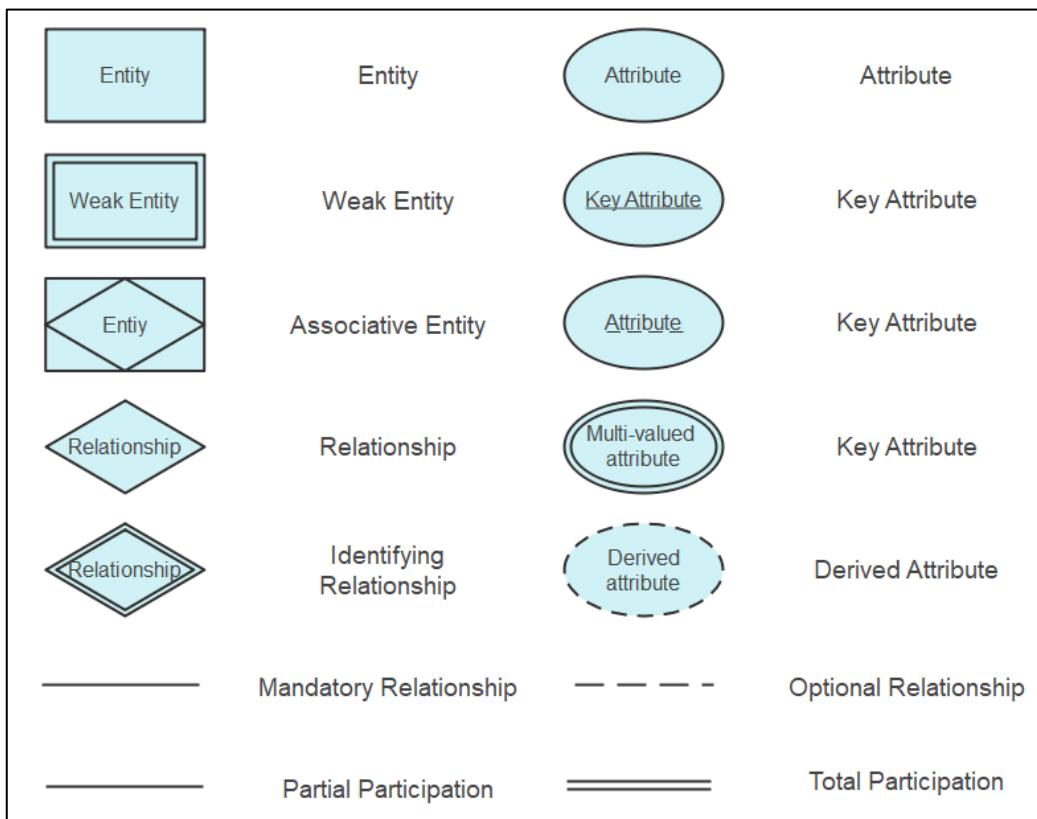
One or more physical ER models may be developed from each logical ER model. The physical ER model is normally developed to be instantiated as a database. Therefore, each physical ER model must contain enough detail to produce a database and each physical ER model is technology dependent since each database management system is somewhat different.

The physical model is normally instantiated in the structural metadata of a database management system as relational database objects such as database tables, database indexes such as unique key indexes, and

database constraints such as a foreign key constraint or a commonality constraint. The ER model is also normally used to design modifications to the relational database objects and to maintain the structural metadata of the database.

The first stage of information system design uses these models during the requirements analysis to describe information needs or the type of information that is to be stored in a database. The data modelling technique can be used to describe any ontology (i.e. an overview and classifications of used terms and their relationships) for a certain area of interest. In the case of the design of an information system that is based on a database, the conceptual data model is, at a later stage (usually called logical design), mapped to a logical data model, such as the relational model; this in turn is mapped to a physical model during physical design. Note that sometimes, both of these phases are referred to as "physical design". It is also used in database management system.

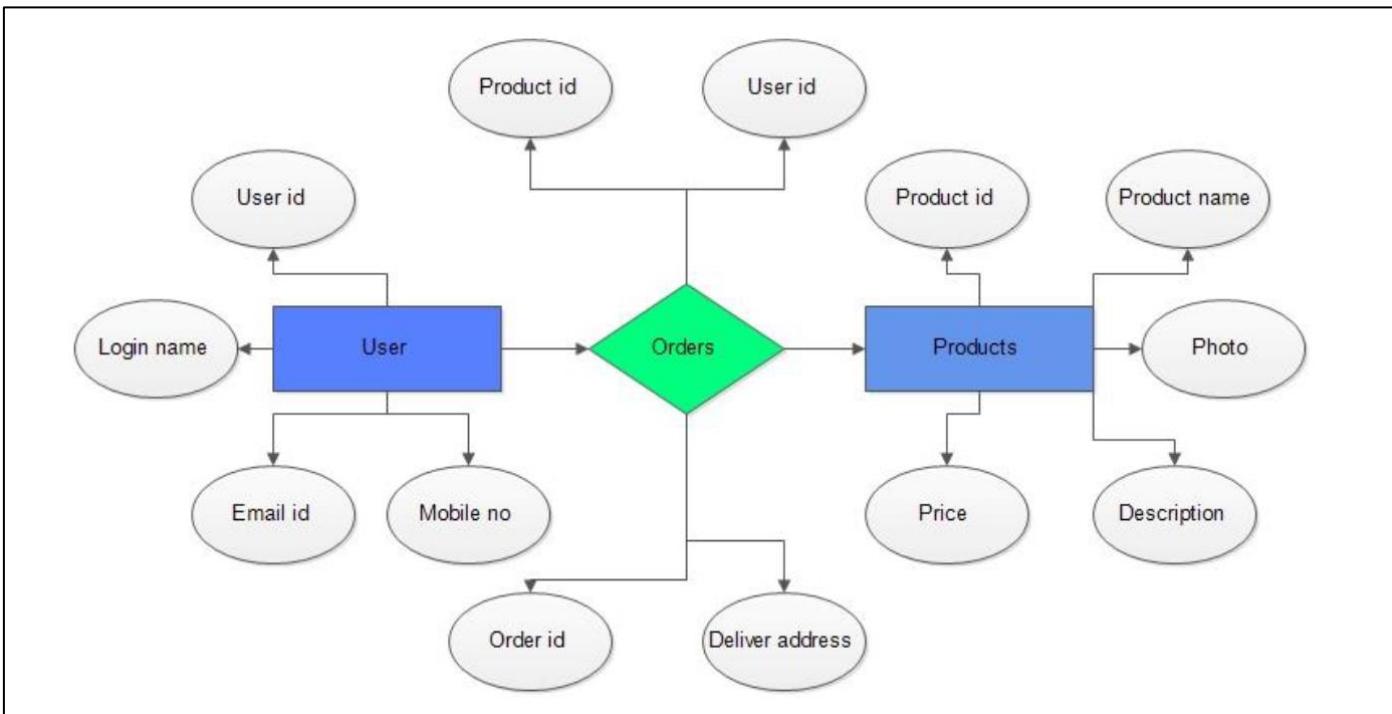
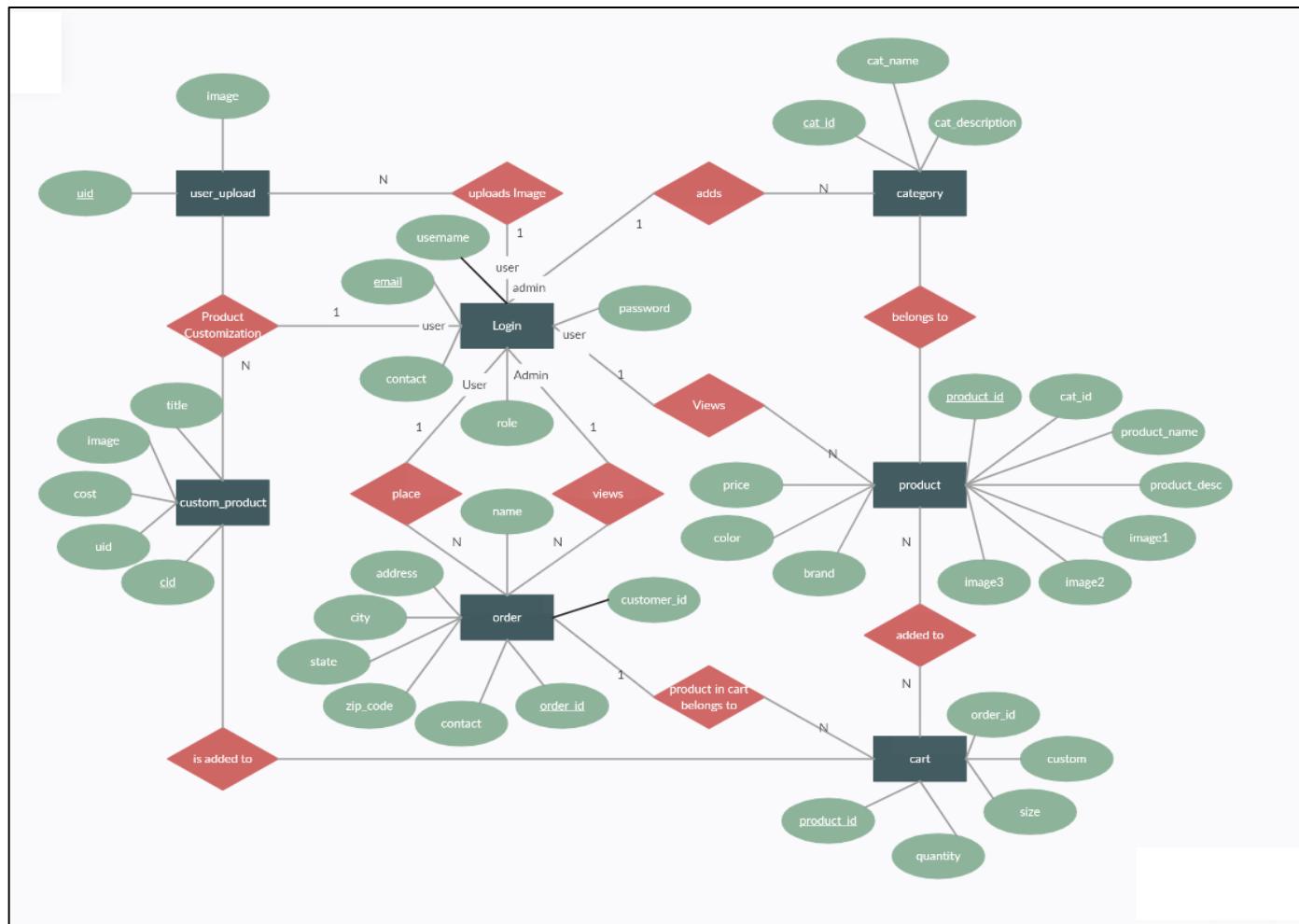
Entity–relationship modelling



Cardinality constraints are expressed as follows:

- A double line indicates a *participation constraint*, totality or subjectivity: all entities in the entity set must participate in *at least one* relationship in the relationship set;
- an arrow from entity set to relationship set indicates a key constraint, i.e., injectivity: each entity of the entity set can participate in *at most one* relationship in the relationship set;
- A thick line indicates both, i.e., bijectivity: each entity in the entity set is involved in *exactly one* relationship.
- An underlined name of an attribute indicates that it is a key: two different entities or relationships with this attribute always have different values for this attribute.

ENTITY RELATIONSHIP DIAGRAM (E-Commerce)



USE CASE DIAGRAM

A **use case diagram** at its simplest is a representation of a user's interaction with the system that shows the relationship between the user and the different use cases in which the user is involved. A use case diagram can identify the different types of users of a system and the different use cases and will often be accompanied by other types of diagrams as well.

So only static behavior is not sufficient to model a system rather dynamic behavior is more important than static behavior. In UML there are five diagrams available to model dynamic nature and use case diagram is one of them. Now as we have to discuss that the use case diagram is dynamic in nature there should be some internal or external factors for making the interaction.

These internal and external agents are known as actors. So, use case diagrams are consists of actors, use cases and their relationships. The diagram is used to model the system/subsystem of an application. A single use case diagram captures a particular functionality of a system.

So, to model the entire system numbers of use case diagrams are used. The purpose of use case diagram is to capture the dynamic aspect of a system. But this definition is too generic to describe the purpose.

Because other four diagrams (activity, sequence, collaboration and State chart) are also having the same purpose. So, we will look into some specific purpose which will distinguish it from other four diagrams.

Use case diagrams are used to gather the requirements of a system including internal and external influences. These requirements are mostly design requirements. So, when a system is analyzed to gather its functionalities use cases are prepared and actors are identified.

Now when the initial task is complete use case diagrams are modelled to present the outside view.

So, in brief, the purposes of use case diagrams can be as follows:

- Used to gather requirements of a system.
- Used to get an outside view of a system.
- Identify external and internal factors influencing the system.
- Show the interacting among the requirements are actors.

How to draw Use Case Diagram?

Use case diagrams are considered for high level requirement analysis of a system. So, when the requirements of a system are analyzed the functionalities are captured in use cases.

So, we can say that uses cases are nothing but the system functionalities written in an organized manner. Now the second things which are relevant to the use cases are the actors. Actors can be defined as something that interacts with the system.

The actors can be human user, some internal applications or may be some external applications. So, in a brief when we are planning

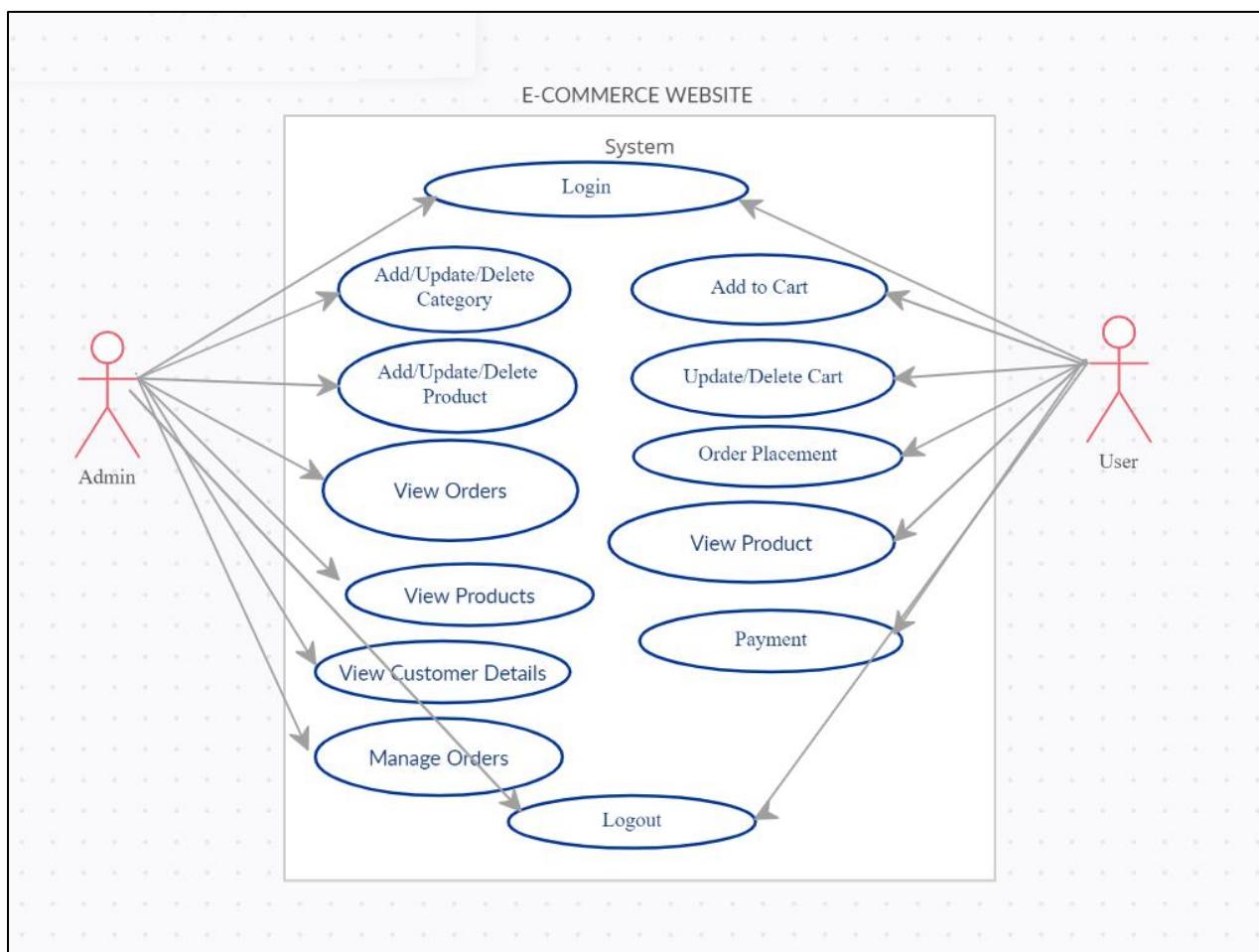
to draw a use case diagram, we should have the following items identified.

- Functionalities to be represented as a use case
- Actors
- Relationships among the use cases and actors.

Use case diagrams are drawn to capture the functional requirements of a system. So, after identifying the above items we have to follow the following guidelines to draw an efficient use case diagram.

- The name of a use case is very important. So, the name should be chosen in such a way so that it can identify the functionalities performed.
- Give a suitable name for actors.
- Show relationships and dependencies clearly in the diagram.
- Do not try to include all types of relationships. Because the main purpose of the diagram is to identify requirements.
- Use note whenever required to clarify some important points.

USE CASE DIAGRAM (E-Commerce)

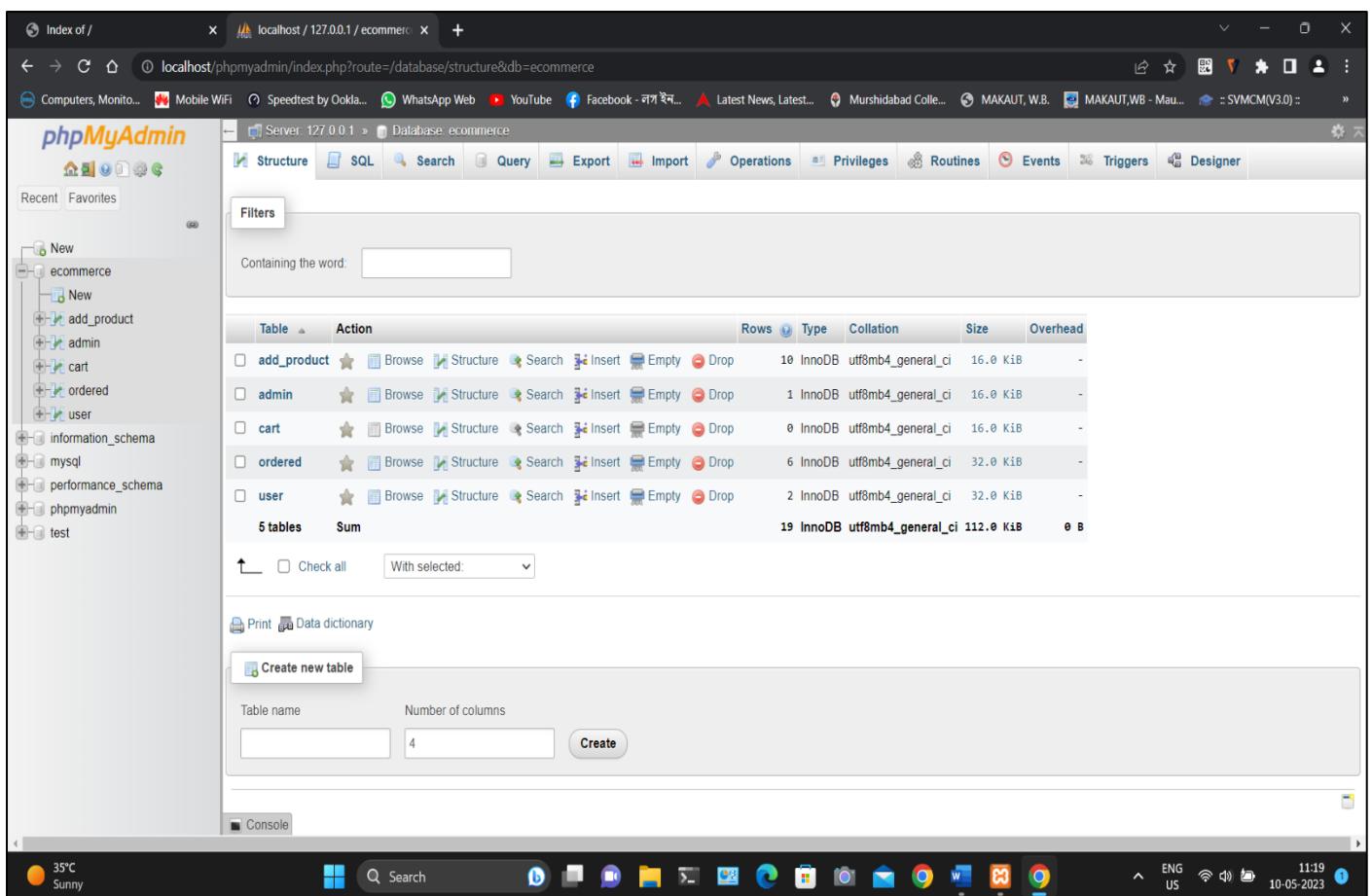


DATABASE DESIGN

A database is an organized mechanism that has capability of storing information through which a user can retrieve stored information in an effective and efficient manner. The data is the purpose of any database and must be protected.

The database design is two level processes. In the first step, user requirements are gathered together and a database is designed which will meet these requirements as clearly as possible. This step is called information Level design and it is taken independent of any individual DBMS.

In the following snapshots we display the way we have used SQL Server as the back-end RDBMS for our project and the various entities that have been used along with their table definition and table data.



The screenshot shows the phpMyAdmin interface for the 'ecommerce' database. The left sidebar lists databases: ecommerce, New, add_product, admin, cart, ordered, user, information_schema, mysql, performance_schema, phpmyadmin, and test. The main area displays the structure of the 'ecommerce' database, specifically the 'Tables' section. A table lists five tables: add_product, admin, cart, ordered, and user. The table structure includes columns for Table, Action, Rows, Type, Collation, Size, and Overhead. The total size is 112.0 KiB. Below the table, there are buttons for Print and Data dictionary, and a 'Create new table' form with fields for Table name (set to 4) and Number of columns (set to 4). The bottom status bar shows system information: 35°C, Sunny, ENG US, 11:19, 10-05-2023.

Table	Action	Rows	Type	Collation	Size	Overhead
add_product	Browse Structure Search Insert Empty Drop	10	InnoDB	utf8mb4_general_ci	16.0 KiB	-
admin	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
cart	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ordered	Browse Structure Search Insert Empty Drop	6	InnoDB	utf8mb4_general_ci	32.0 KiB	-
user	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	32.0 KiB	-
5 tables	Sum	19	InnoDB	utf8mb4_general_ci	112.0 KiB	0 B

Table add_product:

The screenshot shows the phpMyAdmin interface for the 'ecommerce' database. The 'add_product' table is selected. The table structure includes columns: ID, pname, pprice, pimg, pquantity, and pdesc. The data consists of 10 rows:

ID	pname	pprice	pimg	pquantity	pdesc
1	T-Shirt	30	user.jpg	20	XXL Size. Pure Cotton. Good Quality.
2	Watch	80	p30.jpg	50	Premium Watch. Free Size. Good Quality.
3	Sketchers	55	p32.jpg	22	Branded Shoe. Free Size. Good Quality.
4	Sports-Shoe	75	p5.jpg	25	Waterproof Premium Shoe. Free Size. Good Quality.
5	Titan-Watch	90	p11.jpg	40	Premium Watch. Branded. Good Quality.
6	Sunglass	25	p21.jpg	100	Premium Sunglass. Waterproof. Good Quality.
7	Cookware-Set	50	p12.jpg	30	Premium Non-stick Cookware Sets. Good Quality.
8	Bed-Sheet	23	p22.jpg	500	Premium bed sheet. Good Quality. Pure Cotton.
9	Casual-Shirt	20	p16.jpg	300	Branded XXL Size. Good Quality.
10	Bag	60	p25.jpg	200	Branded. Premium Bag. Good Quality.

Table admin:

The screenshot shows the phpMyAdmin interface for the 'ecommerce' database. The 'admin' table is selected. The table structure includes columns: ID, username, and password. The data consists of 1 row:

ID	username	password
1	arden2023	arden123

Table cart:

MySQL returned an empty result set (i.e. zero rows) (Query took 0.0003 seconds.)

```
SELECT * FROM `cart`
```

ID	product_name	product_price	product_image	product_desc
----	--------------	---------------	---------------	--------------

Table ordered:

Showing rows 0 - 5 (6 total). Query took 0.0003 seconds.

```
SELECT * FROM `ordered`
```

ID	customer_name	customer_mail	customer_address	product_name	product_price	product_image	status	Delivery_Date
1	Debjayoti Talukder	XYZ@gmail.com	West Bengal, India	T-Shirt	30	user.jpg	ordered	2023-05-05
2	Debjayoti Talukder	XYZ@gmail.com	West Bengal, India	Titan-Watch	90	p11.jpg	ordered	2023-05-05
3	Ardent Computech	ardent@XYZ.com	West Bengal, India	Sketchers	55	p32.jpg	ordered	2023-05-05
4	Debjayoti Talukder	XYZ@gmail.com	West Bengal, India	Sunglass	25	p21.jpg	ordered	2023-05-05
5	Debjayoti Talukder	XYZ@gmail.com	West Bengal, India	Watch	80	p30.jpg	ordered	2023-05-06
6	Debjayoti Talukder	XYZ@gmail.com	West Bengal, India	Bag	60	p25.jpg	ordered	2023-05-08

Table user:

The screenshot shows the phpMyAdmin interface for the 'ecommerce' database. The 'user' table is selected. The table structure includes columns: ID, customer_name, customer_mail, customer_phone, username, and password. Two rows are displayed:

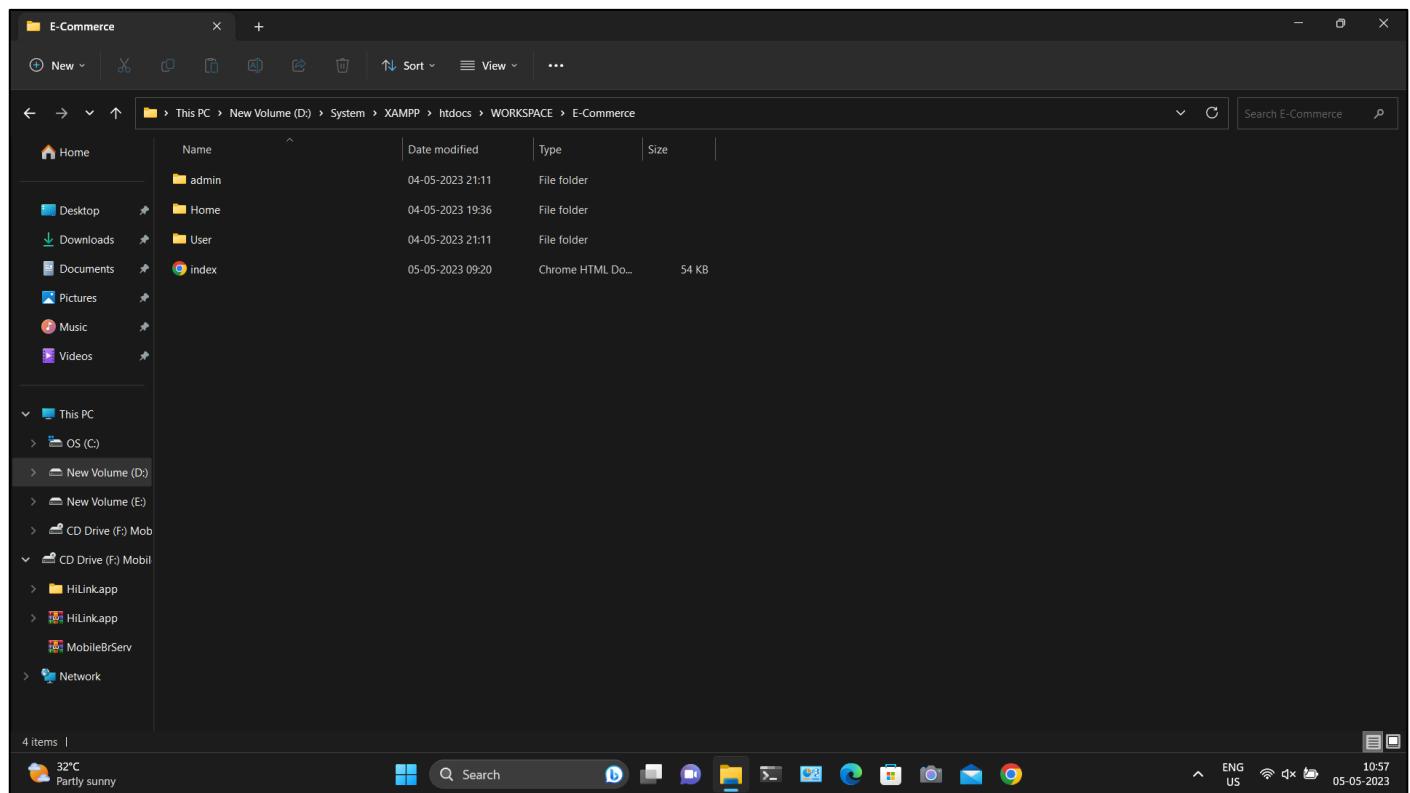
ID	customer_name	customer_mail	customer_phone	username	password
1	Debjyoti Talukder	XYZ@gmail.com	123456789	debajyot2001	debajyot123
2	Ardent Computech	ardent@gmail.com	123456789	ardent2023	ardent123

Below the table, there are buttons for 'Edit', 'Copy', 'Delete', 'Check all', and 'With selected'. At the bottom, there are links for 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'.

E-Commerce Website Sample Screenshots

SAMPLE SCREENSHOTS OF THE PROJECT:

Folder Structure:



Home Page:

Nykaa Fashion - Online Shopping Not secure | 192.168.8.111:5500/E-Commerce/index.html

Computers, Monito... Mobile WiFi Speedtest by Ookla... WhatsApp Web Facebook - नगर इन... YouTube Latest News, Latest... Murshidabad Colle... MAKAUT, W.B. MAKAUT,WB - Mau... SVMCM(V3.0) »

NYKAA Women Men Kids Home Tech All Brands More Search for products, styles, brand Account Admin Orders

Dresses Under ₹ 999
Sets for Kids Under ₹899
VERO MODA
Topwear for Men Under ₹799
Sleepwear Under ₹1699

29°C Sunny

Search

ENG US 11:10 12-03-2023

Nykaa Fashion - Online Shopping Not secure | 192.168.8.111:5500/E-Commerce/index.html

Computers, Monito... Mobile WiFi Speedtest by Ookla... WhatsApp Web Facebook - नगर इन... YouTube Latest News, Latest... Murshidabad Colle... MAKAUT, W.B. MAKAUT,WB - Mau... SVMCM(V3.0) »

NYKAA Women Men Kids Home Tech All Brands More Search for products, styles, brand Account Admin Orders

Deepika Padukone x Levi's
Ananya Panday x ONLY
Nandita Basu x PinkFort
Arushi Mehra x NA-KD
Anushka Sharma x GIVA

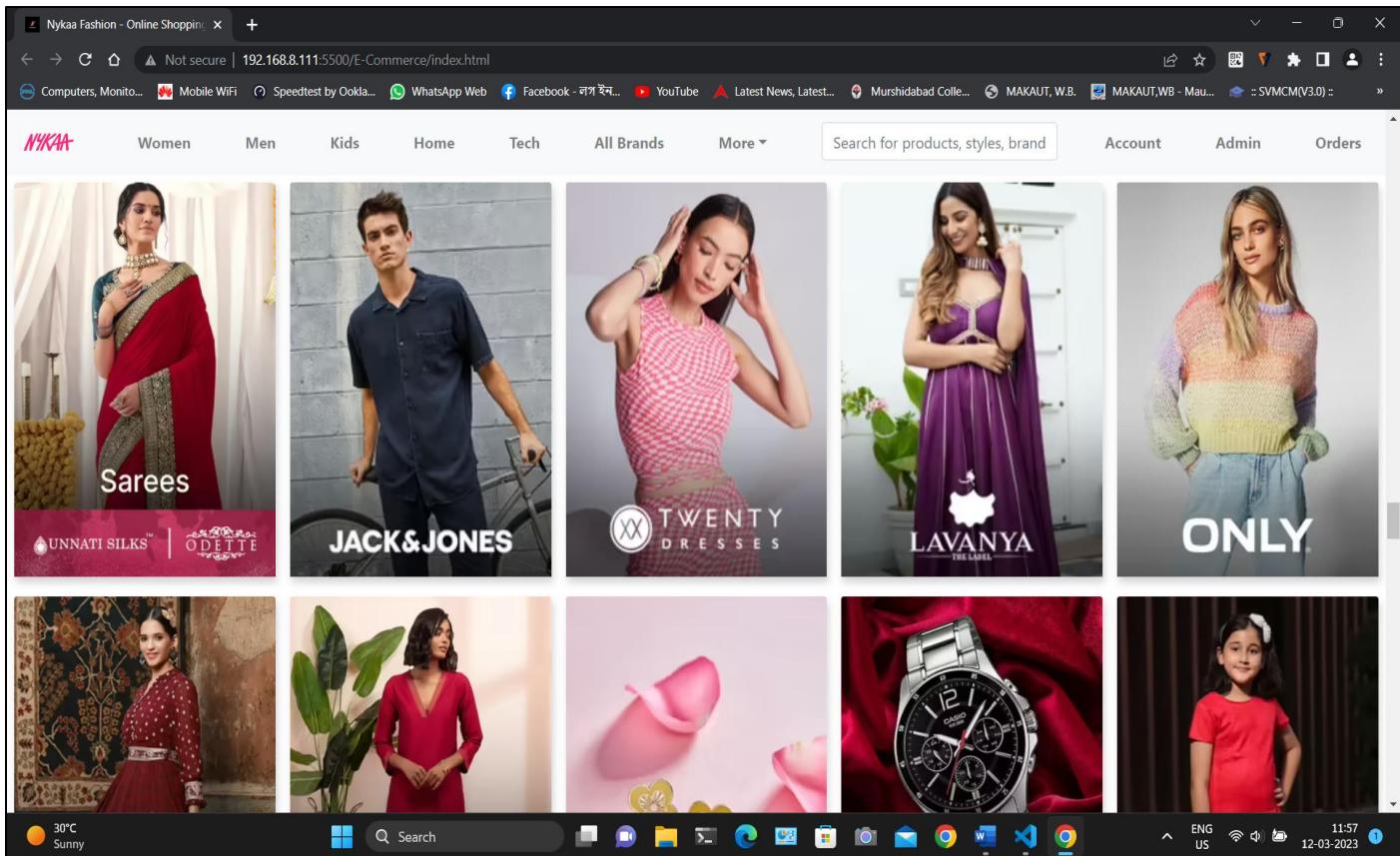
30°C Sunny

Search

ENG US 11:52 12-03-2023

The screenshot shows the Nykaa Fashion website homepage. At the top, there's a navigation bar with links for Women, Men, Kids, Home, Tech, All Brands, More, Account, Admin, and Orders. A search bar is also present. Below the navigation, a banner features the text "STAY STYLE FORWARD" and "Level Up Your Fashion Game". A grid of five fashion items is displayed, including a yellow outfit with the brand name "RSVP BY NYKA FASHION", a striped saree, a white top with olive green shorts, a blue and green outfit, and a pink floral dress. The bottom of the screen shows a Windows taskbar with various icons and a weather widget indicating "30°C Sunny".

The screenshot shows the Nykaa Fashion website homepage. The layout is similar to the first one, with a navigation bar at the top. A banner at the top features the text "TRENDING NOW" and "On our Radar". Below this, there's a large image of two women in traditional Indian bridal attire. To the right of the image, the text "Bridal Store" is prominently displayed, followed by the subtext "Discover a curated collection of everything for the bride and her brigade". An "EXPLORE" button is located below this section. At the bottom, there's another banner with the text "STAY STYLE FORWARD" and "Level Up Your Fashion Game". The bottom of the screen shows a Windows taskbar with various icons and a weather widget indicating "30°C Sunny".



Nykaa Fashion - Online Shopping + Not secure | 192.168.8.111:5500/E-Commerce/index.html

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Nykaa Women Men Kids Home Tech All Brands More Search for products, styles, brand Account Admin Orders

Hard-To-Resist-Deals

[Order Now!!!](#)

- Cookware Up to 65% off
- Headphones Under ₹1199
- Tees Under ₹899
- Heels Under ₹1299
- Kidswear Under ₹799

30°C Sunny Search

Nykaa Fashion - Online Shopping

Not secure | 192.168.8.111:5500/E-Commerce/index.html

Computers, Monito... Mobile WiFi Speedtest by Ookla... WhatsApp Web Facebook - নতুন ইন্ডিয়া Latest News, Latest... Murshidabad Colle... MAKAUT, W.B. MAKAUT,WB - Mau... SVMCM(V3.0) »

NYKAA Women Men Kids Home Tech All Brands More Search for products, styles, brand Account Admin Orders

Express Shipping

Everything you love, now shipped within 24 hours

[SHOP NOW](#)

2000+ Brands

5 Lac+ styles

Easy Returns

Express Shipping

Cash On Delivery

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FOR QUERIES

18002663333 | support@nykaafashion.com (Monday to Saturday, 10AM - 7PM)

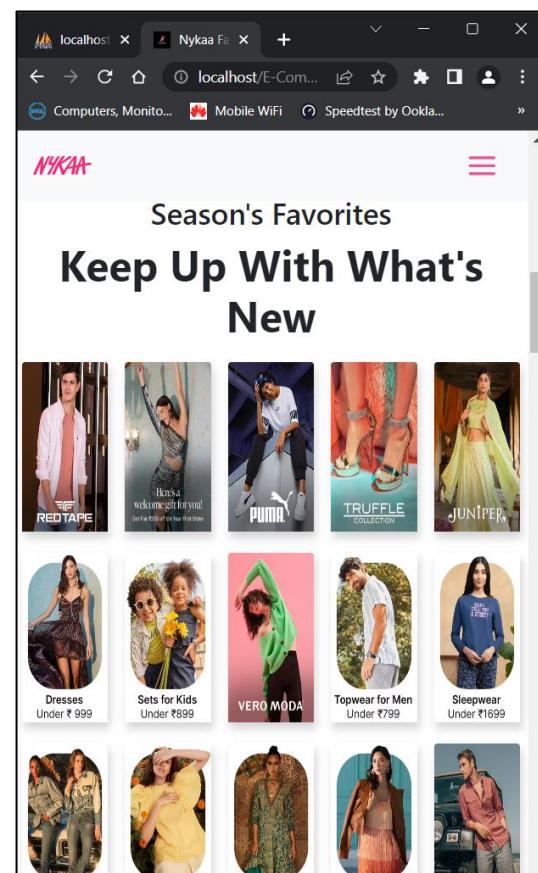
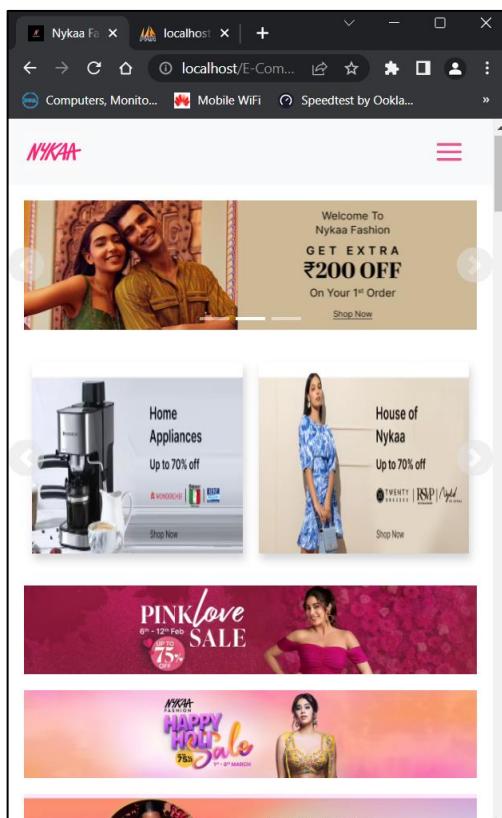
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29°C Sunny

Search

ENG US 11:10 12-03-2023

Responsive Mode:



E-Commerce Website

Hard-To-Resist-Deals

Order Now!!!

- Cookware Up to 65% off
- Headphones Under ₹1199
- Tees Under ₹899
- Heels Under ₹1299
- Kidswear Under ₹799
- Flip flops Under ₹999
- Jeans Under ₹1499
- Sunglasses Under ₹1999
- Tote Bags Under ₹1499
- Sleepwear Up to ₹999
- Flip flops Under ₹999
- Jeans Under ₹1499
- Sunglasses Under ₹1999
- Bra Under ₹699
- Jewellery sets Under ₹1299

TRENDING NOW

NYKA

- 2000+ Brands
- 5 Lac+ styles
- Easy Returns
- Express Shipping
- Cash On Delivery

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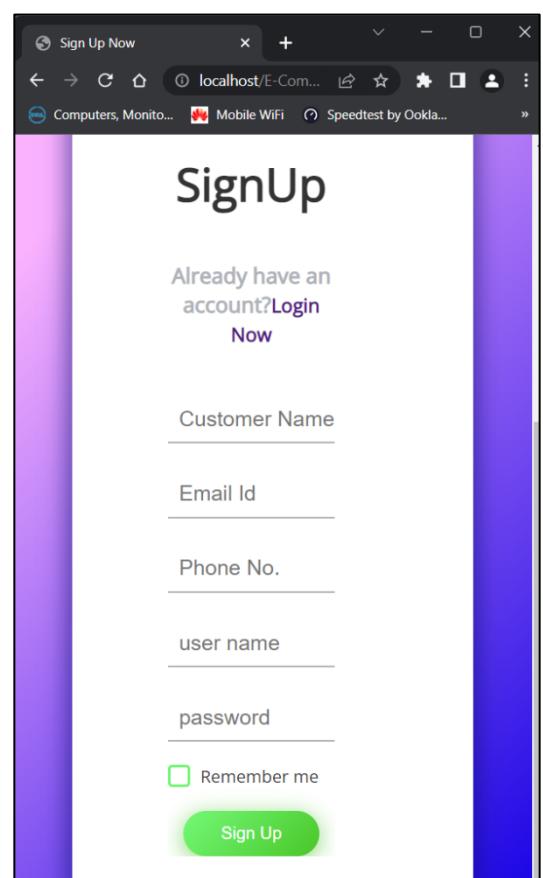
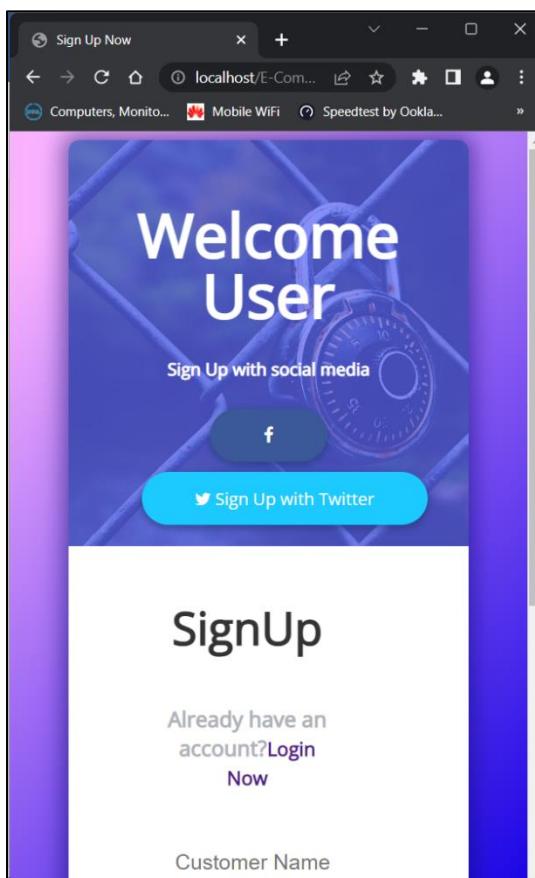
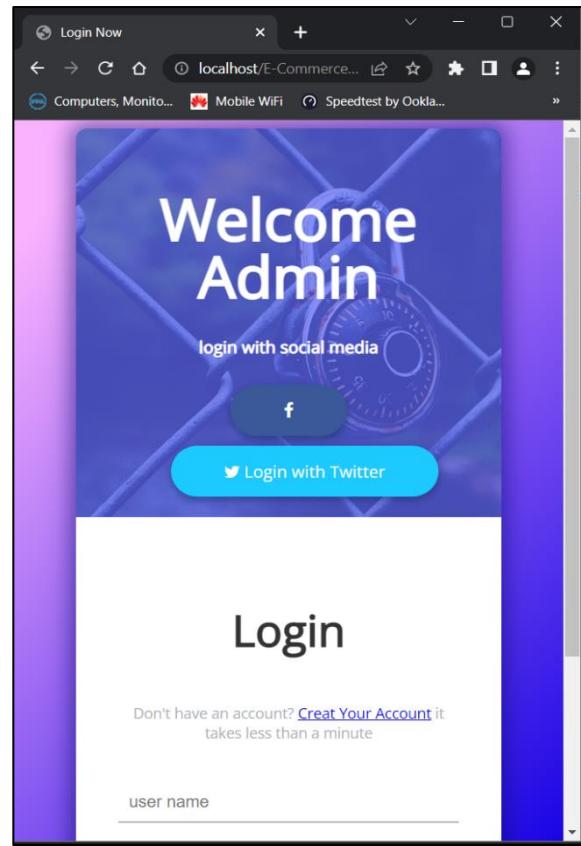
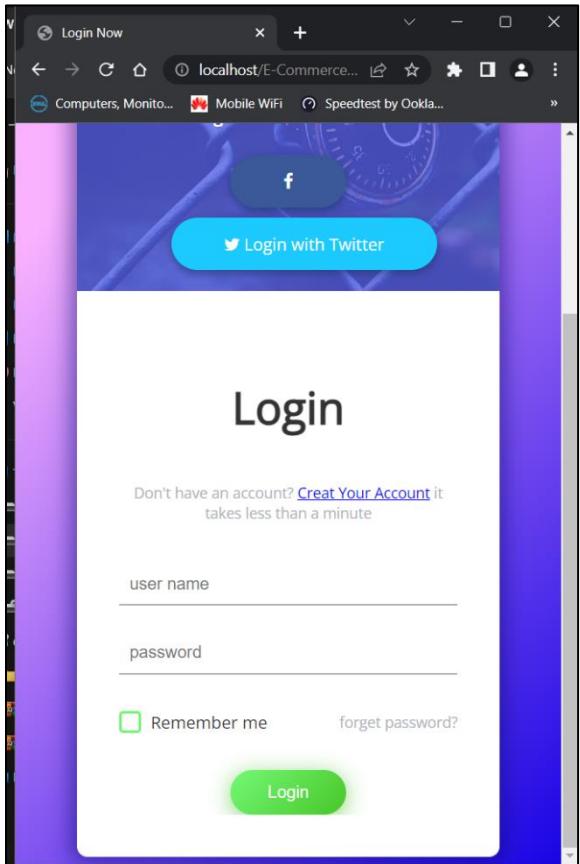
Enter Your Email **SUBMIT**

FOR QUERIES

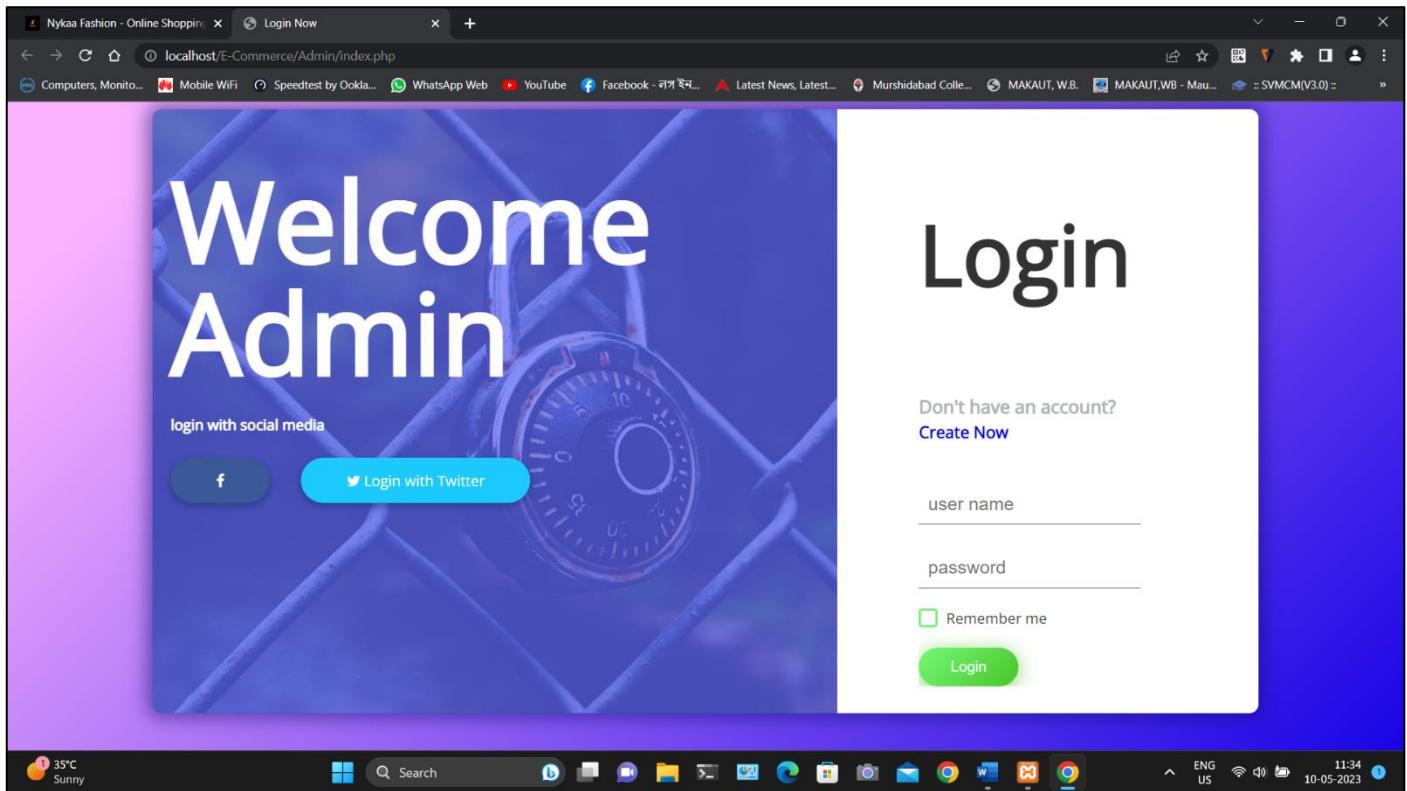
18002663333 | support@nykaafashion.com (Monday to Saturday, 10AM - 7PM)

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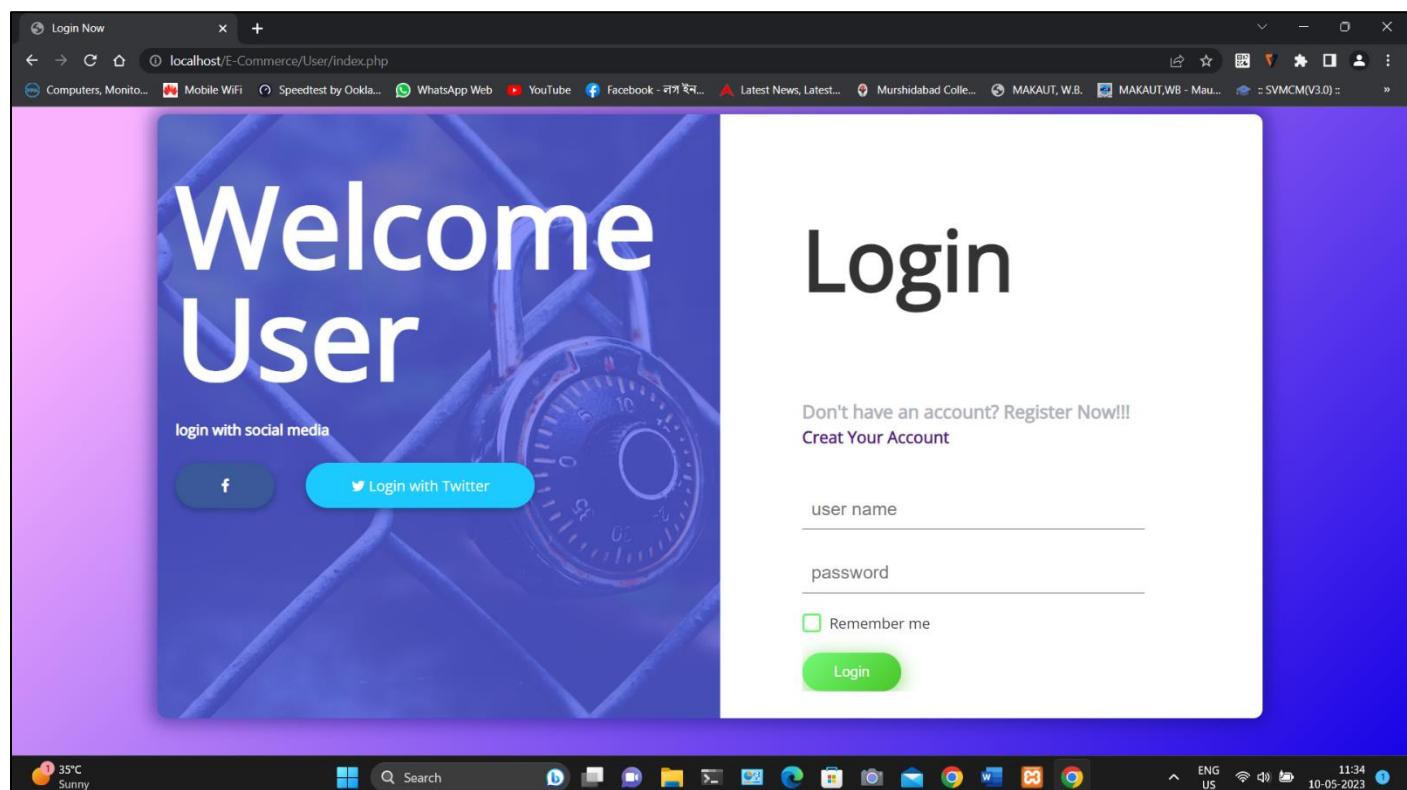
Log in Page (Responsive Mode):



Admin Log in Page:



User Log in Page:

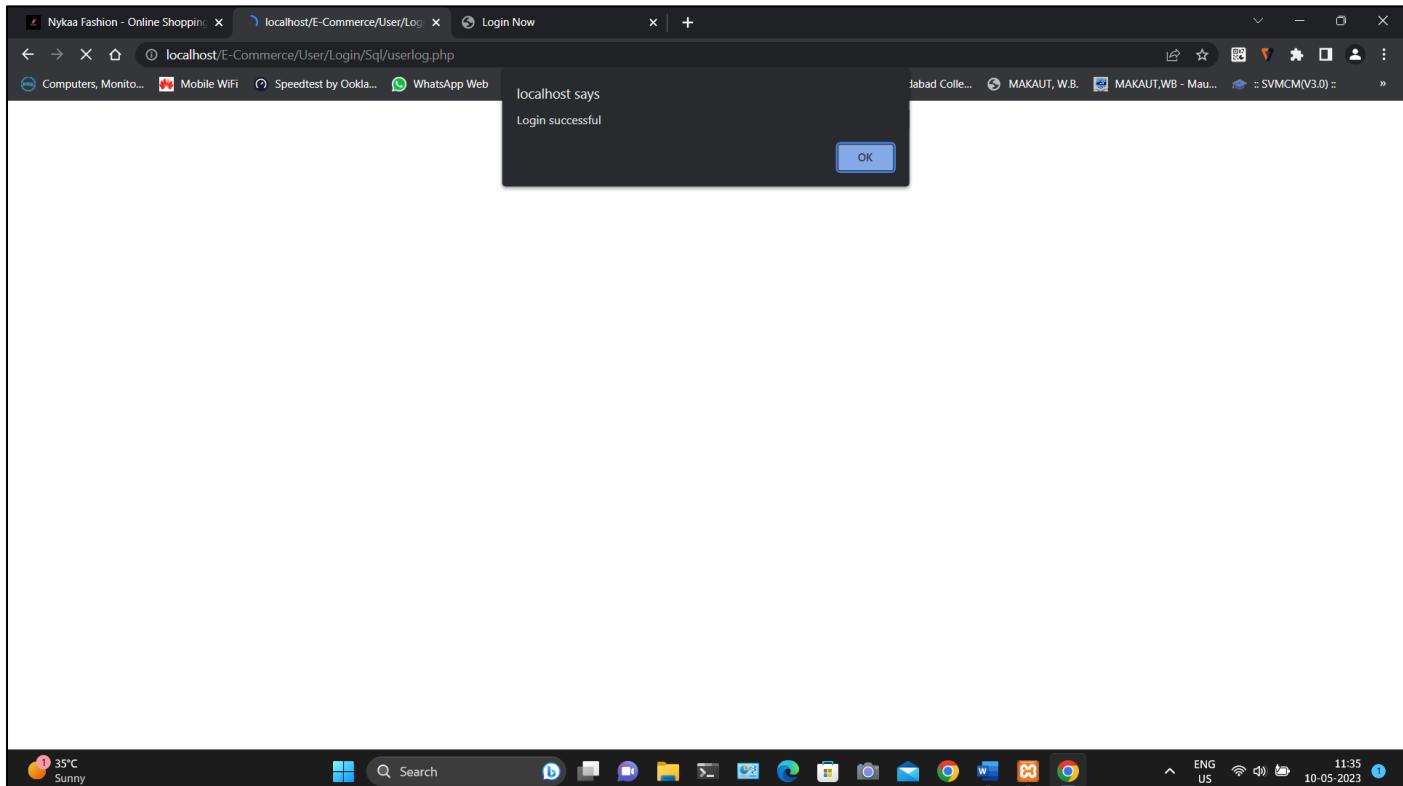


Sign Up Page:

The image displays a composite view of a user interface. On the left side, there is a large blue-tinted background image of a combination lock with the text "Welcome User" overlaid in white. Below this, there are two social media sign-up buttons: a dark grey one for Facebook and a light blue one for Twitter. A small text at the top right of the image area says "Press F11 to exit full screen". On the right side, there is a separate "SignUp" form with the following fields and controls:

- Text: Already have an account?
Link: Login Now
- Text input field: Customer Name
- Text input field: Email Id
- Text input field: Phone No.
- Text input field: user name
- Text input field: password
- Check box: Remember me
- Green button: Sign Up

On Successful Log in as User:

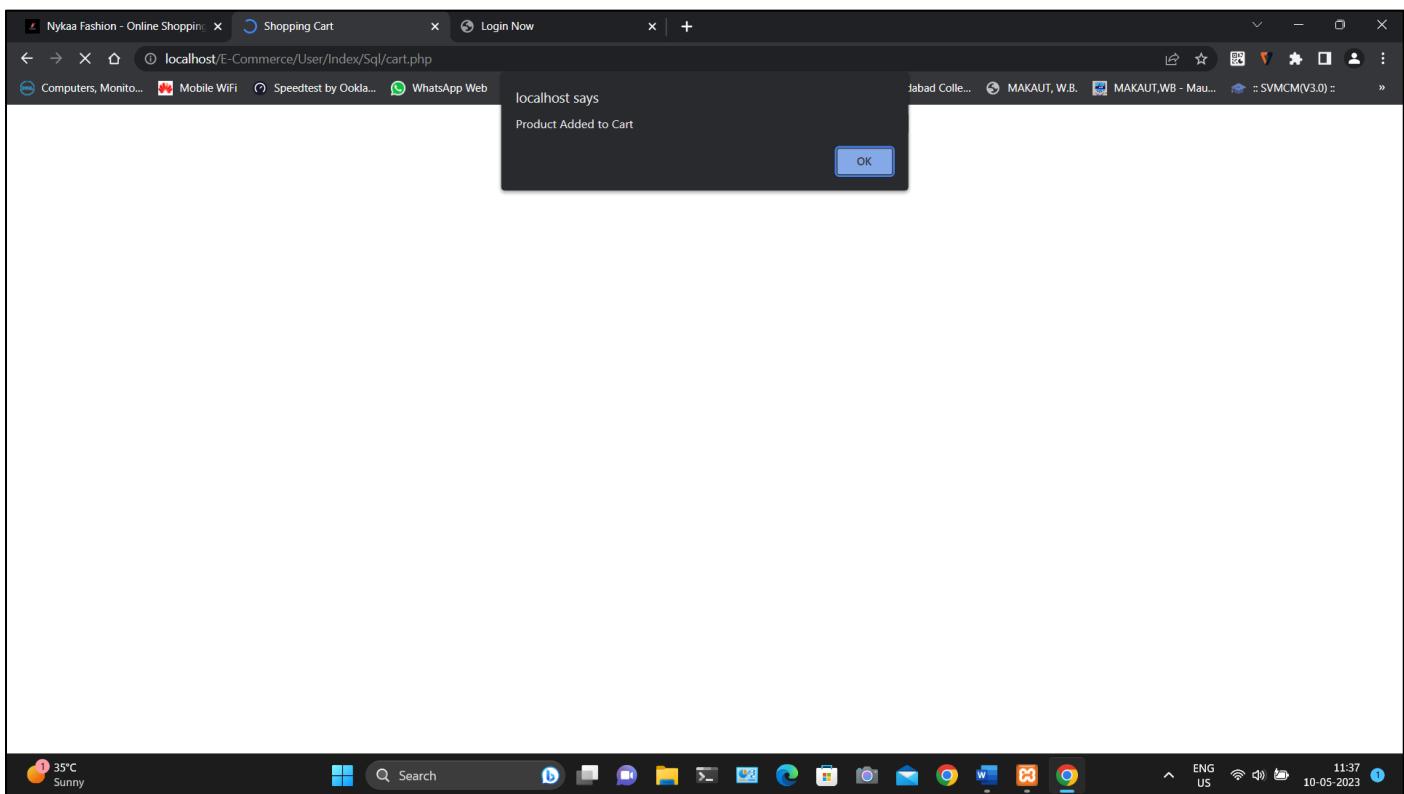


A screenshot of an E-commerce website titled "Nykaa Fashion - Online Shopping". The top navigation bar includes links for "Order Now!!", "Login Now", and other categories like Women, Men, Kids, Home, Tech, All Brands, and More. A search bar and a "Cart" button are also present. The main content area displays three product cards:

- T-Shirt**: An image of a man wearing glasses and a black t-shirt. Below it is a short description: "Price: Rs.30" and "Description: XXL Size. Pure Cotton. Good Quality.". It has a 5-star rating of "123" and a blue "add to cart" button.
- Watch**: An image of three smartwatches (boAt and Pebble) with different straps. Below it is a short description: "Price: Rs.80" and "Description: Premium Watch. Free Size. Good Quality.". It has a 5-star rating of "123" and a blue "add to cart" button.
- Sketchers**: An image of two blue Skechers athletic shoes. Below it is a short description: "Price: Rs.55" and "Description: Branded Shoe. Free Size. Good Quality.". It has a 5-star rating of "123" and a blue "add to cart" button.

The browser's address bar shows the URL "localhost/E-Commerce/User/Index/index.php". The taskbar at the bottom of the screen shows various pinned icons and the date "10-05-2023".

Add to Cart:

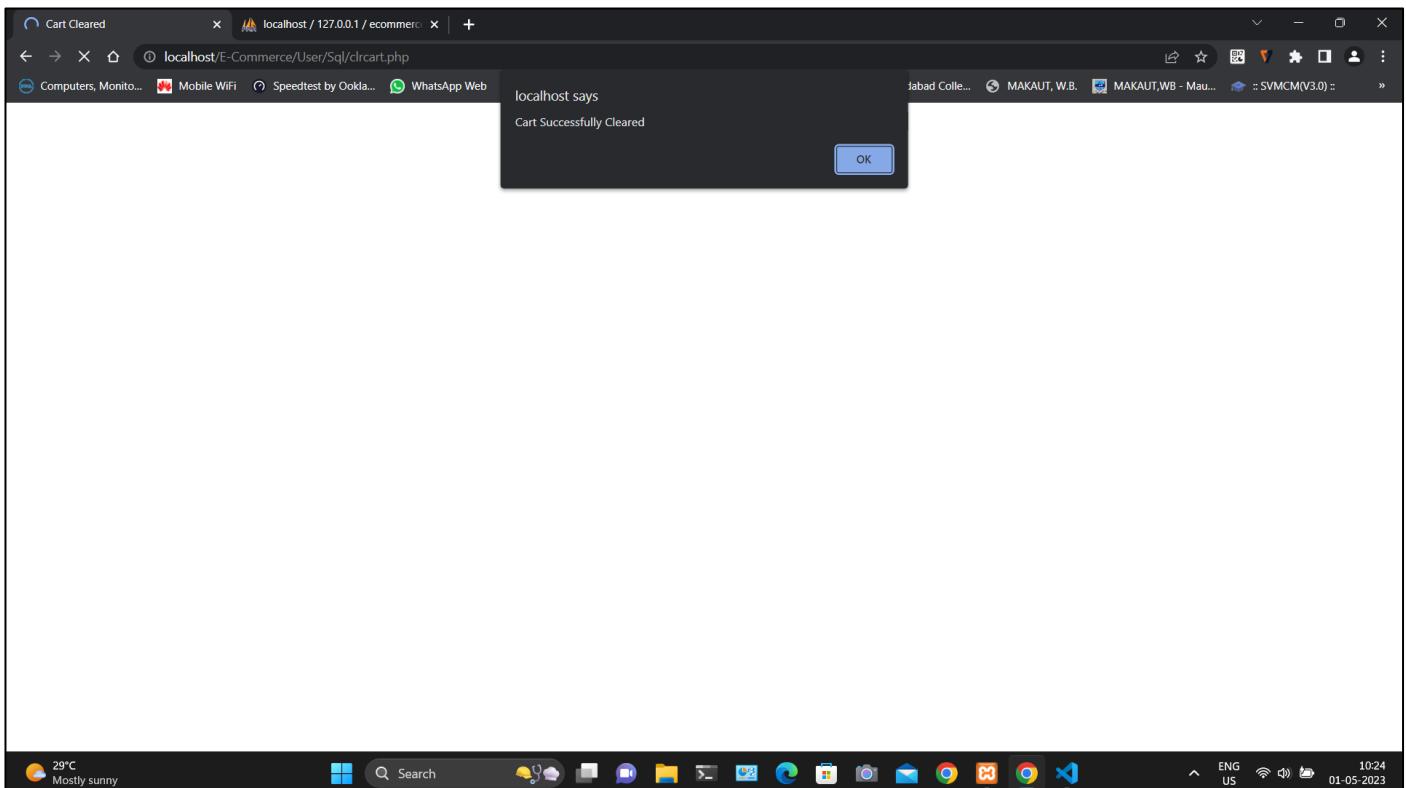


Shopping Cart:

A screenshot of a web browser window titled 'Nykaa Fashion - Online Shopping'. The address bar shows 'localhost/E-Commerce/User/Index/viewcart.php'. The page displays a table titled 'Items in Cart' with two rows. The first row contains a Watch (ID 12) priced at Rs. 80, described as 'Premium Watch. Free Size. Good Quality.' with a delete link. The second row contains a Sketchers shoe (ID 13) priced at Rs. 55, described as 'Branded Shoe. Free Size. Good Quality.' with a delete link. At the bottom, it shows a total price of 'Rs. 135' and a 'Proceed to checkout' button. The browser's taskbar and system tray are visible at the bottom.

ID	Product Name	Product Price	Product Image	Product Description	Action
12	Watch	Rs. 80		Premium Watch. Free Size. Good Quality.	Delete
13	Sketchers	Rs. 55		Branded Shoe. Free Size. Good Quality.	Delete

After Clearing Shopping Cart:



A screenshot of an e-commerce website titled "Nykaa Fashion - Online Shopping". The main navigation includes Women, Men, Kids, Home, Tech, All Brands, and More. A search bar and a "Cart" button are also present. The page displays three products:

- T-Shirt**: An image of a man wearing glasses and a black t-shirt. Description: XXL Size. Pure Cotton. Good Quality. Price: Rs.30. Rating: ★★★★ 123. Add to cart button.
- Watch**: An image of three smartwatches (black, pink, blue). Description: Premium Watch. Free Size. Good Quality. Price: Rs.80. Rating: ★★★★ 123. Add to cart button.
- Sketchers**: An image of two blue Skechers athletic shoes. Description: Branded Shoe. Free Size. Good Quality. Price: Rs.55. Rating: ★★★★ 123. Add to cart button.

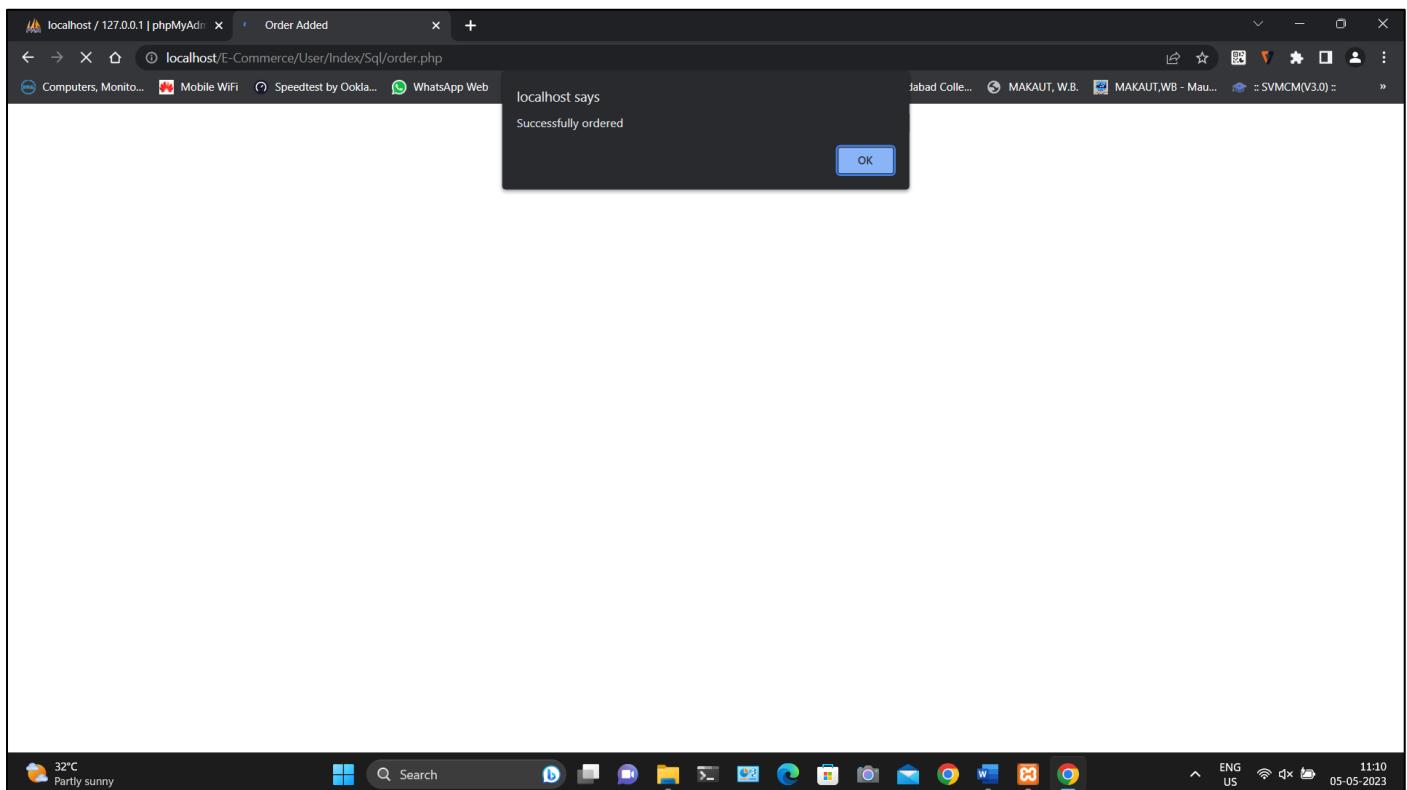
The browser's address bar shows "localhost/E-Commerce/User/Index/index.php". The taskbar at the bottom shows various icons and the date "10-05-2023".

Checkout Page:

The screenshot shows a browser window with the title "Nykaa Fashion - Online Shopping" and the URL "localhost/E-Commerce/User/Index/checkout.php". The page has a green header bar with the text "Order Now!!!". Below it, there is a "Return Home" link. The main content area is titled "Cart" and contains a table with two items: a Watch (ID 12) and a Sketchers shoe (ID 13). The table includes columns for ID, Product Name, Product Price, Product Image, and Product Description. The total price is listed as "Rs. 135". The bottom of the screen shows a Windows taskbar with various icons and the date/time "10-05-2023 11:40".

The screenshot shows the "Billing Address" and "Payment" sections of the checkout form. The "Billing Address" section includes fields for Full Name, Email, Address, City, State, and Pin Code. The "Payment" section includes fields for Accepted Cards (VISA, MasterCard, American Express, and others), Name on Card, Credit card number, Exp Month, Exp Year, and CVV. There is also a checkbox for "Shipping address same as billing" and a "Proceed to checkout" button at the bottom. A copyright notice at the bottom of the page reads "© 2019 - 2023 Nykaa Fashion Pvt. Ltd. All Rights Reserved".

After Successful Order:



A screenshot of an E-commerce website titled "Order Now!!!" with a tab labeled "localhost/E-Commerce/User/Index/vieworder.php". The page features a header with the Nykaa logo, user profile, navigation links (Women, Men, Kids, Home, Tech, All Brands, More), a search bar, and a cart summary. Below the header is a "Home" section and a "Orders" table. The "Orders" table has columns: ID, Customer Name, Customer Address, Product Name, Product Price, Product Image, Delivery Date, and Action. Five orders are listed:

ID	Customer Name	Customer Address	Product Name	Product Price	Product Image	Delivery Date	Action
1	Debajyoti Talukder	West Bengal, India	T-Shirt	Rs. 30		2023-05-05	<button>Cancel</button>
2	Debajyoti Talukder	West Bengal, India	Titan-Watch	Rs. 90		2023-05-05	<button>Cancel</button>
3	Ardent Computech	West Bengal, India	Sketchers	Rs. 55		2023-05-05	<button>Cancel</button>
4	Debajyoti Talukder	West Bengal, India	Sunglass	Rs. 25		2023-05-05	<button>Cancel</button>
5	Debajyoti Talukder	West Bengal, India	Watch	Rs. 80		2023-05-06	<button>Cancel</button>

The browser's address bar shows "localhost/E-Commerce/User/Index/vieworder.php". The taskbar at the bottom indicates the weather is 35°C and sunny.

Responsive Mode:

Cart

View Orders

ID	Product Name	Product Price	Product Image	Product Description
1	Watch	\$80		Premium Watch. Free Size. Good Quality.
2	Sketchers	\$55		Branded Shoe. Free Size. Good Quality.
3	Titan-Watch	\$90		Premium Watch. Branded.

Proceed to checkout

NYKAA

ID	Product Name	Product Price	Product Image	Product Description
12	Watch	Rs. 80		Premium Watch. Free Size. Good Quality.
13	Sketchers	Rs. 55		Branded Shoe. Free Size. Good Quality.

Total Price:
Rs. 135

Proceed to checkout

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NYKAA

T-Shirt

Price: Rs.30

Description: XXL Size. Pure Cotton. Good Quality.

★★★★★ 123

[add to cart](#)

Home

Go to my orders

Items in Cart

ID	Product Name	Product Price	Product Image	Product Description
12	Watch	Rs. 80		Premium Watch. Free Size. Good Quality.
13	Sketchers	Rs. 55		Branded Shoe. Free Size. Good Quality.

Responsive Checkout Page

Order Now!!!

Payment

Accepted Cards

VISA

Name on Card
John More Doe

Credit card number
1111-2222-3333-4444

Exp Month
September

CVV
352

Billing Address

Full Name
John M. Doe

Email
john@example.com

Address
542 W. 15th Street

City
New York

Zip
10001

State

Shipping address same as billing

Proceed to checkout

Product	Product Price	Product Image	Product Description
Watch	Rs. 80		Premium Watch. Free Size. Good Quality.
Shoe	Rs. 55		Branded Shoe. Free Size. Good Quality.

Admin Panel:

The screenshot shows the Nykaa E-commerce Admin Dashboard. On the left, there's a sidebar with navigation links: Dashboard (selected), Products, Orders, Customers, Transactions, and Reviews. The main area has a "Dashboard" header with three cards: "Total Sales ₹ 19,255,050.20" (orange icon), "Total Orders 3290" (green icon), and "Total Products 322" (blue icon). Below this is a section titled "Latest Orders" with a table of recent transactions:

ID	Customer Name	Email	Total Amount	Status	Delivery Date	Actions
2323	Devon Lane	devon@example.com	Rs.778.35	Delivered	07.01.2023	...
2458	Darell Steward	darell@example.com	Rs.219.78	Delivered	03.03.2023	...
6289	Darlene Robertson	darlene@example.com	Rs.928.41	Cancelled	23.02.2023	...
3869	Courtney Henry	courtney@example.com	Rs.90.51	Pending	14.03.2023	...
1247	Eleanor Pena	eleanor@example.com	Rs.275.43	Delivered	10.03.2023	...
3961	Ralph Edwards	ralph@example.com	Rs.630.44	Delivered	23.02.2023	...

At the bottom, the taskbar shows the date as 10-05-2023 and time as 11:49 AM.

The screenshot shows the Nykaa E-commerce Admin interface for adding new products. The left sidebar includes links for Dashboard, Products (selected), Orders, Customers, Transactions, and Reviews. The main content area has a "Home" header and a "Add Products" form. The form fields are:

- Product Name: Input field labeled "Enter Product Name".
- Product Price: Input field labeled "Enter Product Price".
- Upload Product Image: A "Choose File" button with the message "No file chosen".
- Product Quantity: Input field labeled "Enter Product Quantity".
- Description: Input field labeled "Enter Description".
- Submit: A blue "Submit" button.

At the bottom, the taskbar shows the date as 01-05-2023 and time as 08:42 AM.

Nykaa Fashion - Online Shopping × E-commerce Software Admin × +

localhost/E-Commerce/admin/Index/view.php

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 Search...

Home

View Products

ID	Product Name	Product Price	Product Image	Product Quantity	Product Description	Action
1	T-Shirt	Rs.30		20	XXL Size. Pure Cotton. Good Quality.	Edit Delete
2	Watch	Rs.80		50	Premium Watch. Free Size. Good Quality.	Edit Delete
3	Sketchers	Rs.55		22	Branded Shoe. Free Size. Good Quality.	Edit Delete
						

Show 10 entries Search:

Showing 1 to 10 of 10 entries Previous 1 Next

37°C Sunny Search ⌂ ENG US 11:50 10-05-2023

Nykaa Fashion - Online Shopping × E-commerce Software Admin × +

localhost/E-Commerce/admin/Index/orderview.php

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 Search...

Home

View Orders

ID	Customer Name	Customer Address	Product Name	Product Price	Product Image	Delivery Date	status
1	Debjyoti Talukder	West Bengal, India	T-Shirt	Rs.30		2023-05-05	ordered
2	Debjyoti Talukder	West Bengal, India	Titan-Watch	Rs.90		2023-05-05	ordered
3	Ardent Computech	West Bengal, India	Sketchers	Rs.55		2023-05-05	ordered
							

Show 10 entries Search:

Showing 1 to 6 of 6 entries Previous 1 Next

37°C Sunny Search ⌂ ENG US 11:50 10-05-2023

View Customers

ID	Customer Name	Customer Email	Customer Phone
1	Debjayoti Talukder	XYZ@gmail.com	123456789
2	Ardent Computech	ardent@gmail.com	123456789

Showing 1 to 2 of 2 entries

Previous 1 Next

Responsive Mode:

Dashboard

- Total Sales: ₹ 19,255,050.20
- Total Orders: 3290
- Total Products: 322

Latest Orders

2323	Devon Lane	devon@example.com	Rs.778.00
------	------------	-------------------	-----------

View Products

Product Image	Product Quantity	Product Description	Action
	20	XXL Size. Pure Cotton. Good Quality.	Edit Delete
	10	Premium Watch. Free Size. Good Quality.	Edit Delete

View Orders

ID	Customer Name	Customer Address	Product Name	Action
1	Debajyoti Talukder	West Bengal, India	T-Shirt	P
2	Debajyoti Talukder	West Bengal, India	Titan-Watch	P

Add Products

Product Name:

Product Price:

Upload Product Image: No file chosen

Product Quantity:

Description:

Database Structure:

Structure

Table	Action	Rows	Type	Collation	Size	Overhead
add_product	Browse Structure Search Insert Empty Drop	10	InnoDB	utf8mb4_general_ci	16.0 KiB	-
admin	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
cart	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ordered	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	32.0 KiB	-
user	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
5 tables	Sum	15	InnoDB	utf8mb4_general_ci	96.0 KiB	0 B

Create new table

Table name: Number of columns: Create

SOURCE CODE LINK:

<https://gitlab.com/DebajyotiTalukder2001/mcet-repo/-/tree/master/Ardent%20Computech>

The screenshot shows a GitLab repository page for 'mcet-repo'. The repository is owned by Debajyoti Talukder. The commit history is displayed, showing a single commit named 'Delete .gitkeep' made by Debajyoti Talukder 21 minutes ago. The repository structure includes 'Documentation' and 'E-Commerce' files. The page is viewed from a master branch. The sidebar on the left provides links to Project information, Repository files, Commits, Branches, Tags, Contributor statistics, Graph, Compare revisions, and Packages and registries.

Name	Last commit	Last update
..		
Documentation	Delete .gitkeep	21 minutes ago
E-Commerce	Initial Commit	2 hours ago

Initial Commit
Debajyoti Talukder authored 2 hours ago

master v mcet-repo / Ardent Computech / E-Commerce / E-Commerce

Name	Last commit	Last update
..		
E-Commerce	Initial Commit	2 hours ago
Readme	Initial Commit	2 hours ago

Main Folder . Copy this folder and paste it in XAMPP htdocs folder.

37°C Sunny

Search

History Find file Clone

eb789594

Debajyoti Talukder > Mcet-Repo > Repository

Next About GitLab Pricing Talk to an expert Search GitLab / Register Sign in

Project information Repository Files Commits Branches Tags Contributor statistics Graph Compare revisions Packages and registries

Collapse sidebar

ENG US 14:33 12-05-2023

Conclusion:

The E-commerce website is a fully functional online marketplace that provides customers with a seamless shopping experience. The website's features include user registration, product listings, shopping cart, checkout, order management, search functionality, reviews and ratings, and customer support. The website will be developed using HTML, CSS, JavaScript, PHP, MySQL, and Bootstrap. This project will provide a valuable platform for businesses to sell their products and services online. The website will be optimized for mobile devices, making it easy for customers to make purchases on the go.

FUTURE SCOPE AND FURTHER ENHANCEMENTS

In future we would like to keep working on this project and make new additions to provide users with more advanced features and more detailed information. We have set our sights on the following additions in future: -

1. Forget Password for admin and user.
2. Online payment process through debit and credit cards.
3. Automatically mail will be sent to the user's email-id when new orders get placed by users.

REFERENCES

- <https://www.w3schools.com/>
- <https://www.geeksforgeeks.org/>
- <https://www.nykaafashion.com/>
- **Sams Teach Yourself HTML, CSS, and JavaScript All in One**
by [Julie C. Meloni](#).
- **PHP, MySQL & JavaScript All in One**, [Sams Teach Yourself](#)
by [Julie Meloni](#).
- **Bootstrap in 24 Hours**, [Sams Teach Yourself](#) by [Jennifer Kyrnin](#).

THANK YOU

