

# Online Shopping System

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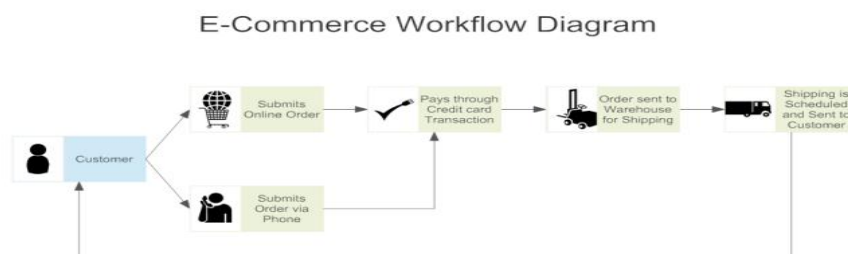
**Abstract:** This project is a web grounded shopping system for an existing shop. The project objective is to deliver the online shopping website. This project is an effort to provide the benefits of online shopping to customers of a real shop. It helps purchasing the products in the shop anywhere through internet by using an android device and Computer. Thus the shopper will get the facility of online shopping and home delivery from his desired shop. This system can be implemented to any shop in the vicinity or to global branded shops having retail outlet chains. If shops are providing an online gateway where their customers can relish easy shopping from anywhere, the shops won't be losing any more consumers to the trending online shops such as flipkart or eBay. Since the web site is available in the Smartphone it is easily accessible and this paper outlines a model for the teaching of a project-based undergraduate course in Advanced Web Site Design. This model conglomerates the chief ideologies of systems analysis and design with the tools, techniques, and procedures obligatory to guide students through a hands-on, methodical process of generating a well-designed, interactive Website. Also delineated is the identification of the fundamental skills the students should possess, appropriate Web development tools and pedagogy as well as whether or not to utilize a simulated project or a real-world project.

**Keywords:** Advanced Web Site Design, Web Design model, E Commerce Web site

**INTRODUCTION:** An Ecommerce website is an information technology method in which trader, businesses/distributor/marketers can sell products/services and the customer can purchase on that website electronically by using internet on the mobile and computer. It means an e-commerce website is an online shop. E means electronic. Commerce means business. Website means the assembly of HTML web pages and that is fashioned to market/sell information/product/services. In a superior perspective, every website on the internet is the Ecommerce Website. It can be the podium, it can be a marketplace, it can be portal, it can be apps, it can be an entertaining website, shopping website, online courses website and online gradation college.

**Object-Oriented Programming:** HTML is a markup language and alone will not allow interactivity to a web site. To request special processing on a Web server such as database queries, handling form data, or subscribing to a newsletter, a program running a Web server must accept and process data. Common programming language that accomplish this is Java. Java is a popular object oriented class-based programming **language** that's used to build **Ecommerce websites**. It also comes equipped with vigorous tools to make developers more prolific. Because your online store will be built with Java, a highly multipurpose **language**, it will work well on all types of browsers.

**Ecommerce Workflow Diagram:**



**Database Systems:** Database design of Online Shopping Web Site. Schema represents nominal information crucial to hoard information of a shop and products to sell. Cart information can be stored in session or if watch list is needed the schema can be simply extended.

Entities: users-Shopadmin, owner and customers.

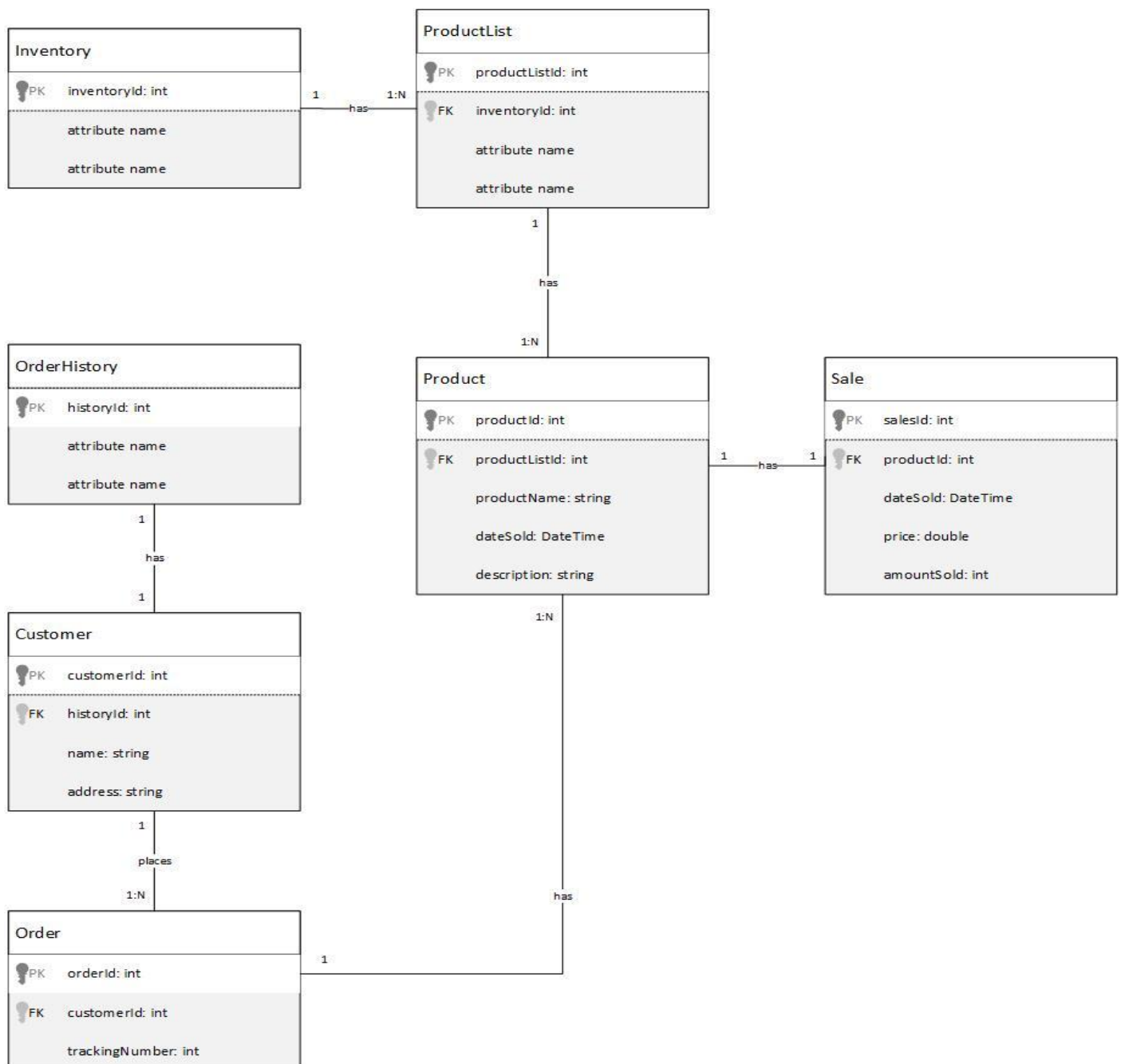
Products: Products to Sell.

Product List: Category of Products. E.g: Laptops, Phones etc.

Orders: Customer placed an order.

Order History: Order always won't have a single Item store details here.

Sale: Order is sold



**Real-World Project****ADVANTAGES:**

1. Working with an actual end-user.
2. Improves communications skills: interviewing, problem solving, conflict resolution, and oral and written communication.
3. Projects have “real” meaning, not artificially invented.
4. Promotes industry/university relationships.
5. Potential employee source.

**DISADVANTAGES:**

1. Time consuming.
2. Risk taking in a non-controlled environment.
3. Possible conflict with user.
4. Incomplete project can be a major issue.
5. Group conflicts.

**Simulated Project:****ADVANTAGES:**

1. Working with a knowledgeable end-user (instructor).
2. Limited community involvement.
3. Perceived “equity” among project groups.
4. Incomplete projects not an issue.

**DISADVANTAGES:**

1. Minimal decision making and problem solving experiences.
2. Lack of risk taking practice.
3. Lacks external resources and contacts.
4. Perception that end-user (instructor) has all of the answers.

**PROJECT OVER VIEW:**

The central idea of the web site is to allow the customer to shop effectively using the Internet and allow consumers to buy the items and articles of their yearning from the store. The information refer to the products are supplies on an RDBMS at the server side (store). The Server process the consumers and the items are shipped to the address submitted by them. The application was planned into two segments first is for the customers who wish to buy the articles. Second is for the storekeepers who maintains and updates the statistics pertaining to the articles and those of the customers. The end user of this product is a departmental store where the application is presented on the web and the administrator maintains the database. The application which is deployed at the customer database, the facts of the items are fetched forward from the database for the customer view based on the choice through the menu and the catalogue of all the products are updated at the end of each transaction.

**PROJECT SCOPE:**

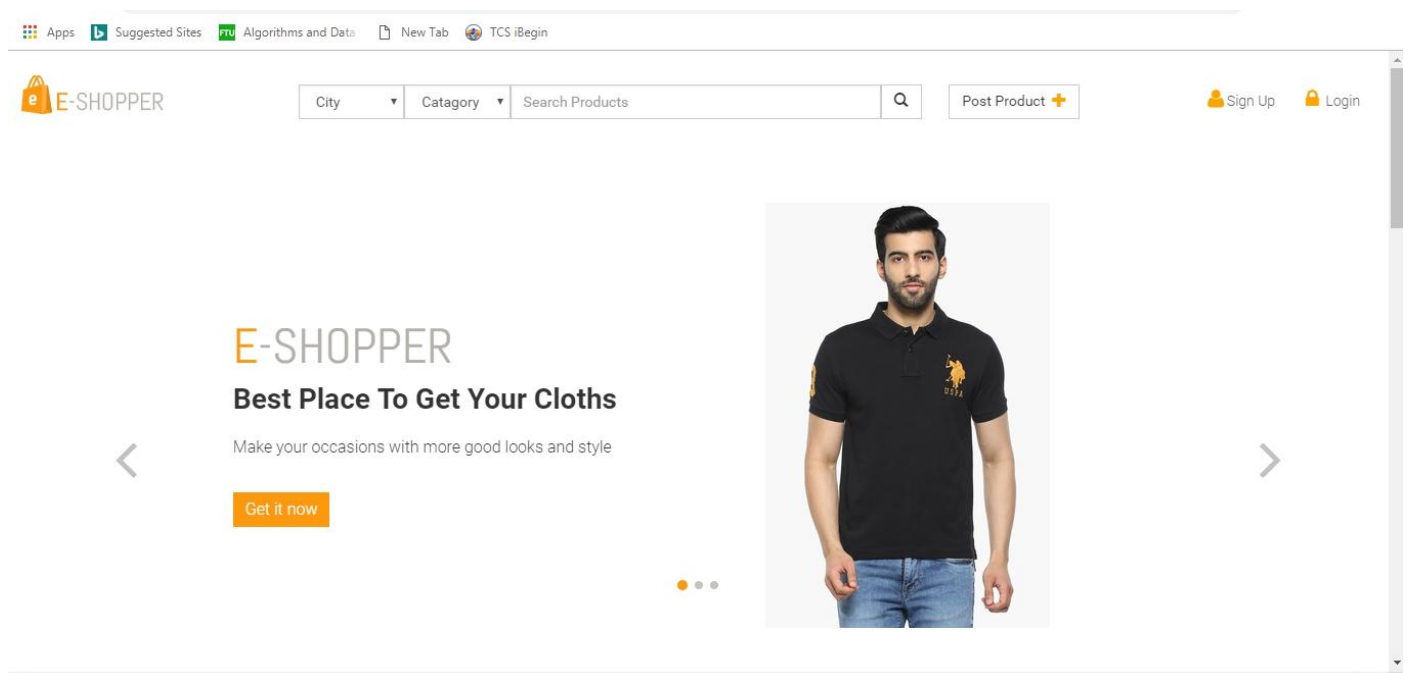
This system can be implemented to any shop in the vicinity or to multinational branded shops having retail outlet chains. The system endorses a facility to accept the orders 24\*7 and a home delivery system which can make customers pleased. If shops are providing an online portal where their customers can adore relaxed shopping from anywhere, the shops won't be losing any more customers to the trending online shops such as flipkart or eBay. Since the application is accessible in the Smartphone it is effortlessly handy and always available.

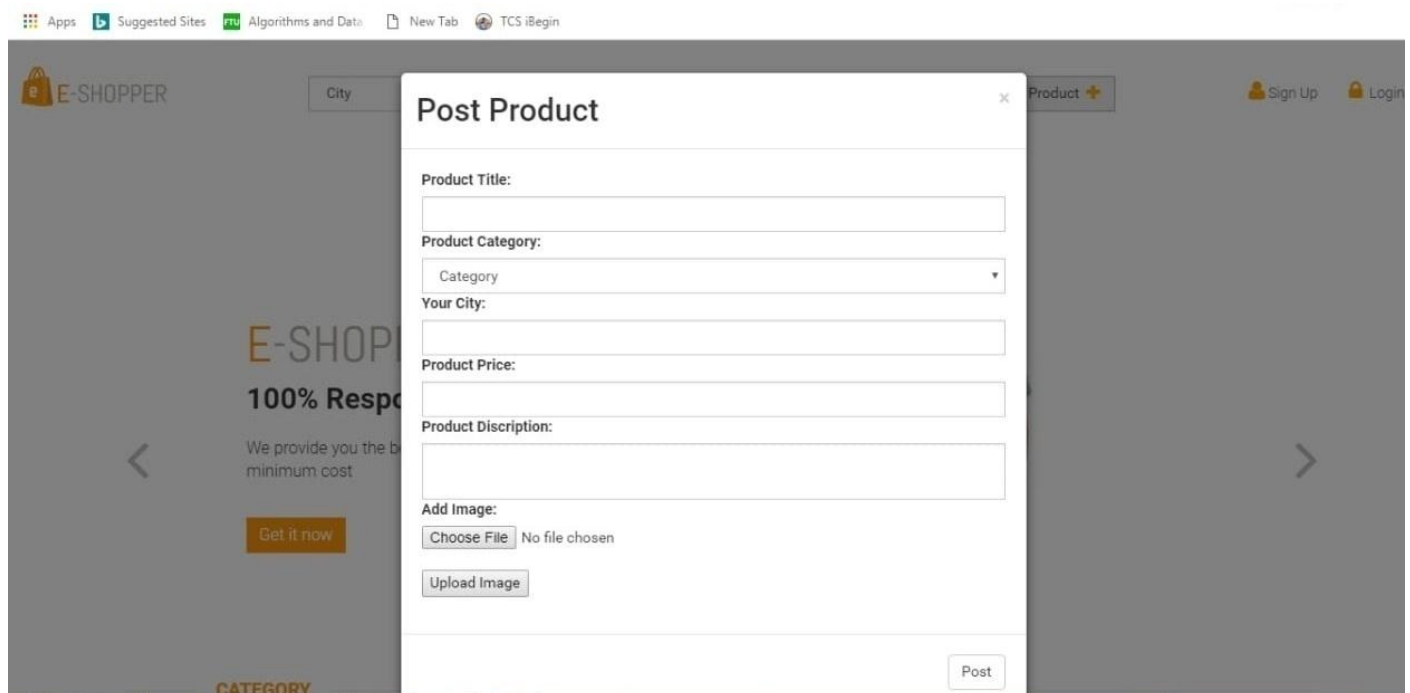
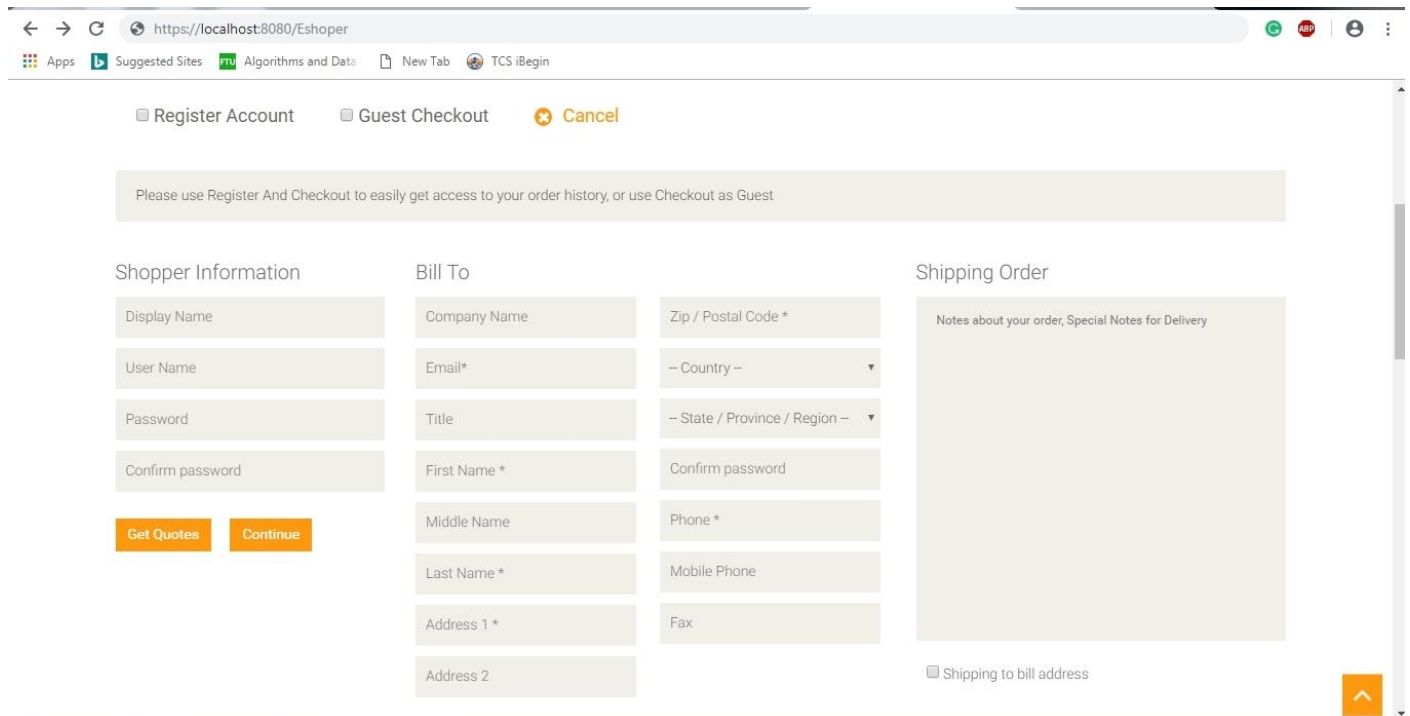
**Payment gateway for your online store:**

Cohesive payment gateways are the preeminent option for ecommerce sites as it links through API's, it provides smooth, easy to use and unified experience because the customer never has to leave your store to input payment details and place orders, furthermore, it is best from the conversion point of view. Payment gateway used is Stripe.

**Benefits of Payment Gateway Integration:**

1. Automated payment processing Data security.
2. Transaction security.
3. Improved workflow management.
4. Decrease errors.
5. Comfort of use.
6. Feature-rich solutions.
7. Amplified payment success rate.
8. Customized experience.
9. Integrating international payments.
10. Multiple payment modes.

**SCREENSHOTS:**



### Future Scope:

With the rising use of media applications like a Smartphone, laptop, computer with internet access, the prospect of ecommerce shopping expansion is intensifying day-by-day. Due to the convenience of gadgets and easy internet access has lead people to Online Shopping.

### CONCLUSION:

The project entitled Online shopping Website was completed successfully. The system has been developed with much attention and free of errors and at the same time, it is effectual and less time consuming. The purpose of this project was to develop a web Site for purchasing items from a shop. This project helped us in gaining appreciated information and

practical knowledge on numerous subjects like designing web pages using html & css, usage of responsive templates and controlling of database using MySQL. The entire system is secured. Also the project helped us understanding about the development stages of a project and software development life cycle. We learned how to test diverse features of a project. This project has agreed us great satisfaction in having designed an application which can be implemented to any nearby shops or branded shops selling various kinds of products by simple modifications. There is a scope for further development in our project to a great extent. A number of features can be added to this scheme in future like providing moderator more control over products so that each moderator can conserve their own products. Another feature is to implement was providing classes for customers so that different offers can be given to each class. System may keep track of history of purchases of each customer and provide recommendations based on their history.

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