

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
“Jnana Sangama”, Belgaum -590014, Karnataka.



PROJECT WORK-2 REPORT
On

ECOMMERCE WEBISTE

Submitted by

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Under the Guidance of
DR. G R PRASAD
PROFESSOR

in partial fulfillment for the award of the degree of
BACHELOR OF ENGINEERING
in
COMPUTER SCIENCE AND ENGINEERING



B.M.S. COLLEGE OF ENGINEERING
(Autonomous Institution under VTU)
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**B. M. S. College of Engineering,
Bull Temple Road, Bangalore 560019**
(Affiliated To Visvesvaraya Technological University, Belgaum)
Department of Computer Science and Engineering



CERTIFICATE

This is to certify that the project work entitled “**ECOMMERCE WEBISTE**” carried out by **AFIFAH KHAN (1BM20CS195), VIBHA V SHANBHAG (1BM20CS184), AFRAH MAHMUD (1BM20CS196), MANIKANTHA GADA (1BM20CS194)** who are bonafide students of **B. M. S. College of Engineering**. It is in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the Visveswararajah Technological University, Belgaum during the year 2021-22. The project report has been approved as it satisfies the academic requirements in respect of **Project Work 2(19CS4PWPW2)** work prescribed for the said degree.

Signature of the Guide

Dr. Prasad G R
Professor
BMSCE, Bengaluru

Signature of the HOD

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Prof & Head of Dept of CSE
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External Viva

Name of the Examiner

Signature with date

B.M.S. COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



DECLARATION

We, **AFIFAH KHAN (1BM20CS195), VIBHA V SHANBHAG (1BM20CS184), AFRAH MAHMUD (1BM20CS196), MANIKANTHA GADA (1BM20CS194)** students of 4th Semester, B.E, Department of Computer Science and Engineering, BMS College of Engineering, Bangalore, hereby declare that, this Project Work-2 entitled “**ECOMMERCE WEBISTE**” has been carried out by us under the guidance of Prof. Dr. G R Prasad, Department of CSE, BMS College of Engineering, Bangalore during the academic semester February-June 2021.

We also declare that to the best of our knowledge and belief, the development reported here is not from part of any other report by any other students.

Signature

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TABLE OF CONTENTS

Serial No.	TITLE	PAGE NO.
1	Introduction	1
1.1	Overview	1
1.2	Motivation	2
2	Software Requirement Specification	3
2.1	Hardware Requirements	3
2.2	Software Requirements	3
3	ER diagram of the project	4
4	Schema of project	5
5	User Interface Design	6
5.1	User Interface- Admin Page	6
5.2	User Interface- Home Page	6
5.3	User Interface- All Products Page	7
5.4	User Interface- Sign in Page	7
5.5	User Interface- Cart Page	8
5.6	User Interface- Proceed to Checkout Page	8
6	References	9

INTRODUCTION

1.1 Overview

Ecommerce websites have become a part of our daily lives. Technological advancement has made it possible for people to sit in the convenience of their homes and still shop online without going to a physical shop. This website is an online clothing store meant for the general public which allows users to shop from a variety of available fashion accessories, clothes and shoes. The user has provision to select from a variety of available items by applying filters to the respective pages. The customer can search for products, select, update the cart, remove products from the cart and checkout from the shop. The customer is also able to update their information such as name, address and other data. This website will be written in PHP which is a very popular and versatile backend programming language. This website will provide shoppers with information about various products that are for sale. The information will include prices, product descriptions as well as product photographs. The website will allow online shoppers to buy products from formal to informal categories. The website provides a secure online transaction system that allows shoppers to purchase goods safely using their credit/debit cards. The central concept of the application is to allow the customer to shop virtually using the Internet and allow customers to buy the items and articles of their desire from the store.

The information pertaining to the products are stores on an MYSQL at the server side (store). The Server process the customers and the items are shipped to the address submitted by them. The application was designed into two modules first is for the customers who wish to buy the articles. Second is for the storekeepers who maintains and updates the information pertaining to the articles and those of the customers. The end user of this product is a departmental store where the application is hosted on the web and the administrator maintains the database. The application which is deployed at the customer database, the details of the items are brought forward from the database for the customer view based on the selection through the menu and the database of all the products are updated at the end of each transaction. Data entry into the application can be done through various screens designed for various levels of users.

1.2 Motivation

We can meet customer's demand. We want to increase sales, reduce transaction costs and reduce customer support costs. We wanted to extend our previous semester's project in this particular field because we believe that e-commerce provides a huge scope in backend development and we wanted to utilize every available resource to help us learn and implement the same. We aim to make our website fully functional to provide a real-time shopping experience to the user. Our motivation mainly lies in the fact that we wanted to cater to the needs of society by coming up with an e-commerce website that would make the shopping experience be brought to the finger-tips of the user.

The purpose of online shopping is to save time, save money. Through online shopping one can save his valuable time. One can watch and select things he wants to buy. Through online shopping we can save our money because prices are less than market prices and we receive bought things at our home. No need to go anywhere and do shopping. We can get different varieties of things online and we can choose which one we want. To achieve target turnover and gross profit. To offer a quality experience for customers that matches the aspirations of a customer.

SOFTWARE REQUIREMENTS

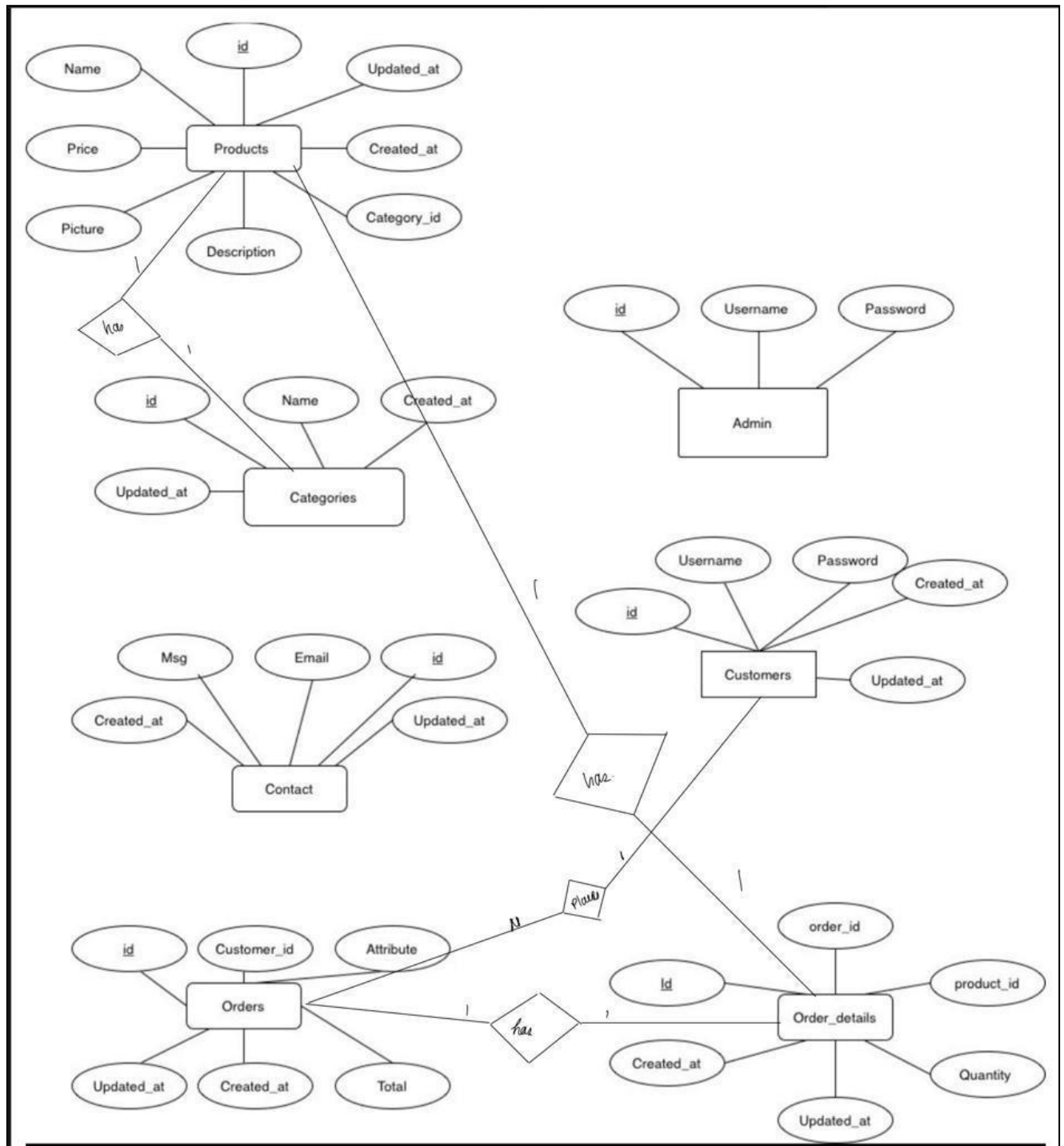
2.1 Hardware Requirements:

- A PC with the following or greater specifications:
 - Intel Core i3 or higher
 - 8 GB RAM
 - 500 GB Hard Drive
- A stable internet connection (2Mbps or higher)

2.2 Software Requirements:

- Operating system : Windows, Linux
- Front end technologies are : HTML, CSS, JavaScript
- IDE : VS Code, Sublime text
- Back end requirement : PHP, SQL
- Server : XAMPP server

3. ER DIAGRAM OF THE PROJECT



4. SCHEMA OF THE PROJECT

Products:

<u>Product_id</u>	Product_name	Price	Picture	description	Category_id	Created_at	Updated_at
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Categories:

<u>Category_id</u>	Category_name	Created_at	Updated_at
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Admin:

<u>Admin_id</u>	Username	password
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Customers:

<u>Customer_id</u>	Username	Password	Created_at	Updated_at
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Contact:

<u>Contact_id</u>	Email	Msg	Created_at	Updated_at
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Orders:

<u>Order_id</u>	Customer_id	Address	Total	Created_at	Updated_at
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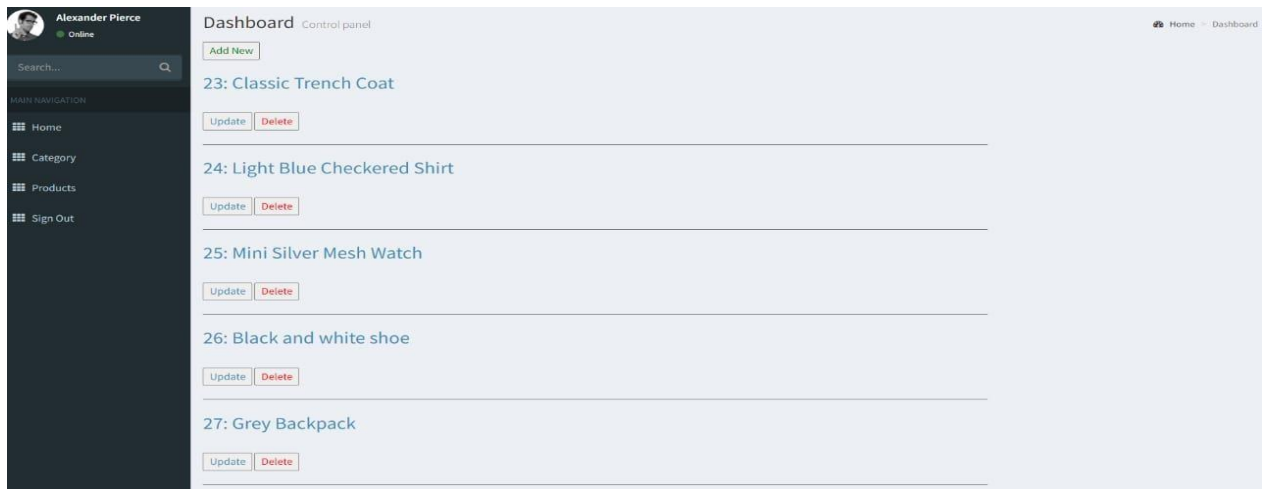
Order_details:

<u>Order_details id</u>	Order id	Product_id	Quantity	Created_at	Updated_at
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USER INTERFACE DESIGN

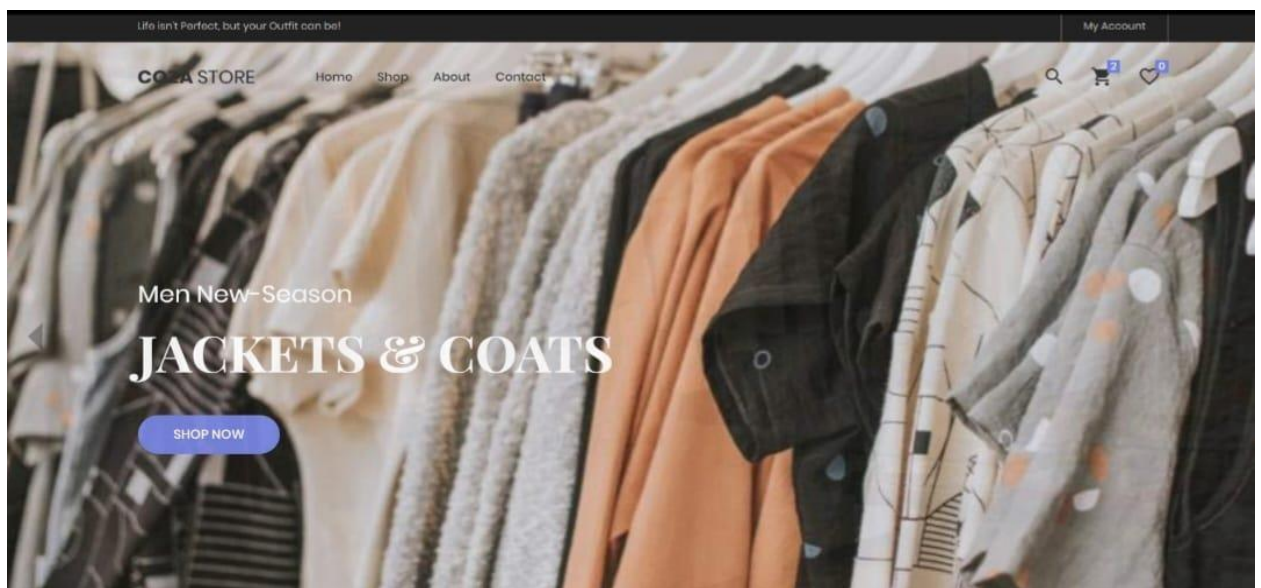
- **User Interface- Admin Page:**

Admins can add content on all pages and access all items in the Admin Toolbar. This means that Admins can control site-wide settings like the design of your website and the homepage layout. <https://visme.com/blog/website-color-schemes/>



- **User Interface- Home Page:**

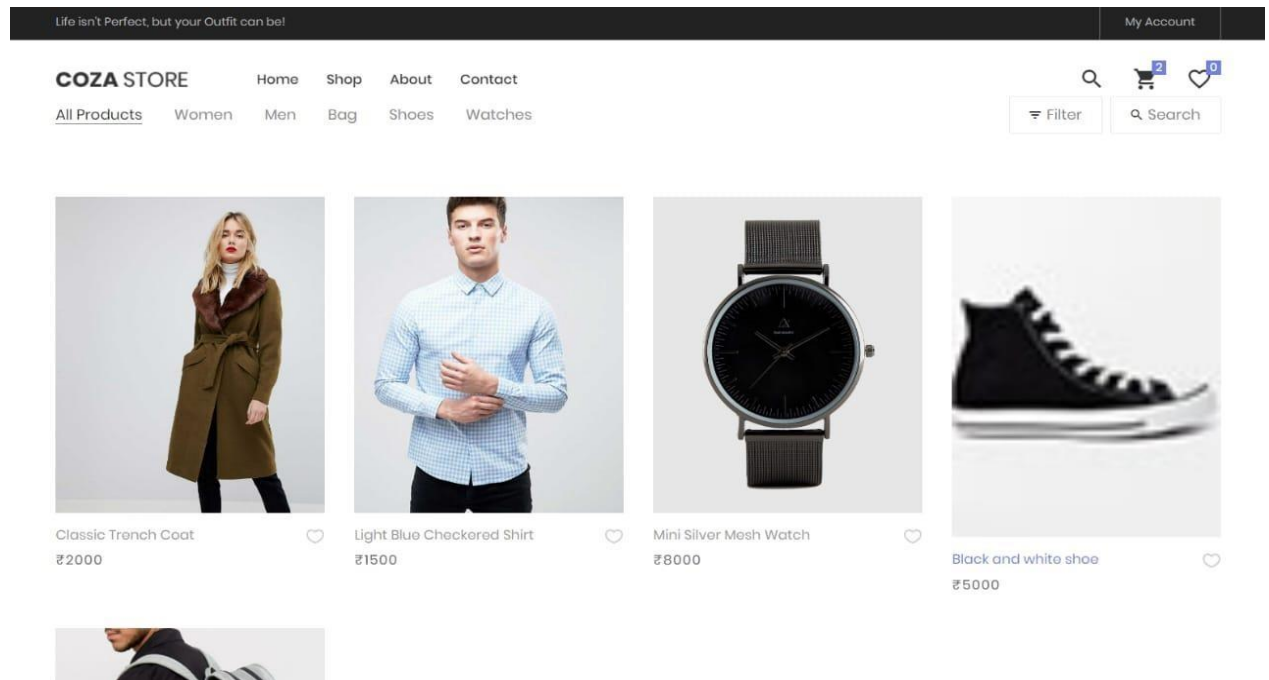
For a Web user, the home page is the first Web page that is displayed after starting a Web browser. User can access products page, cart page, wish list page, and various others from here because it is easy to access. <https://freefrontend.com/css-search-boxes/>



- **User Interface- All Products Page:**

These are the featured products of our website and each of these products are clickable.

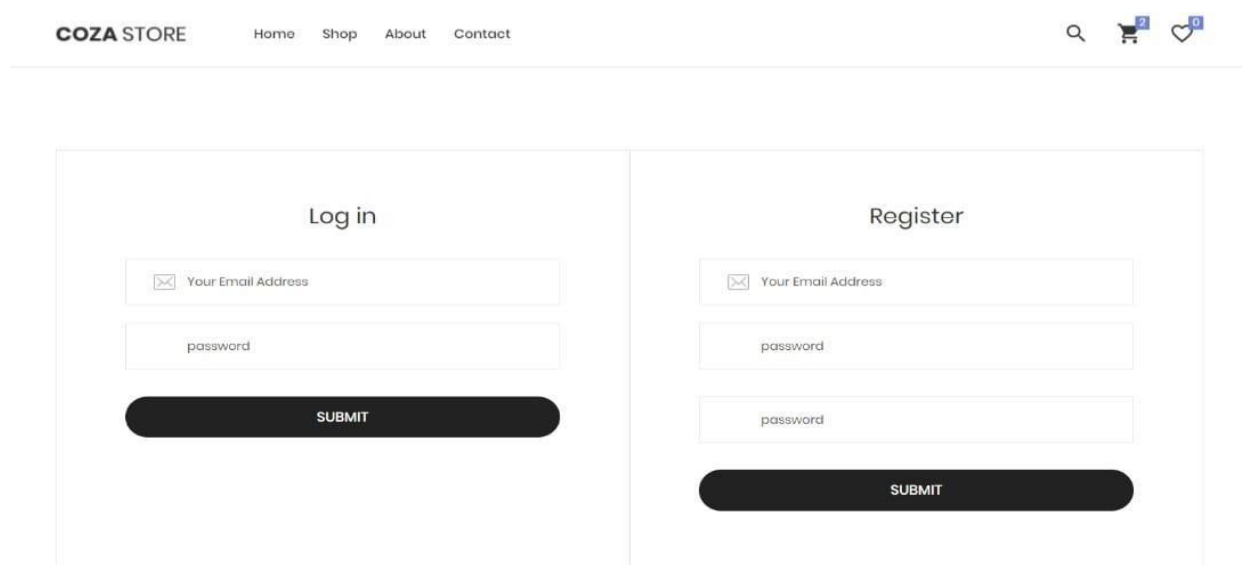
<https://www.w3schools.com>



- **User Interface- Sign-in Page:**

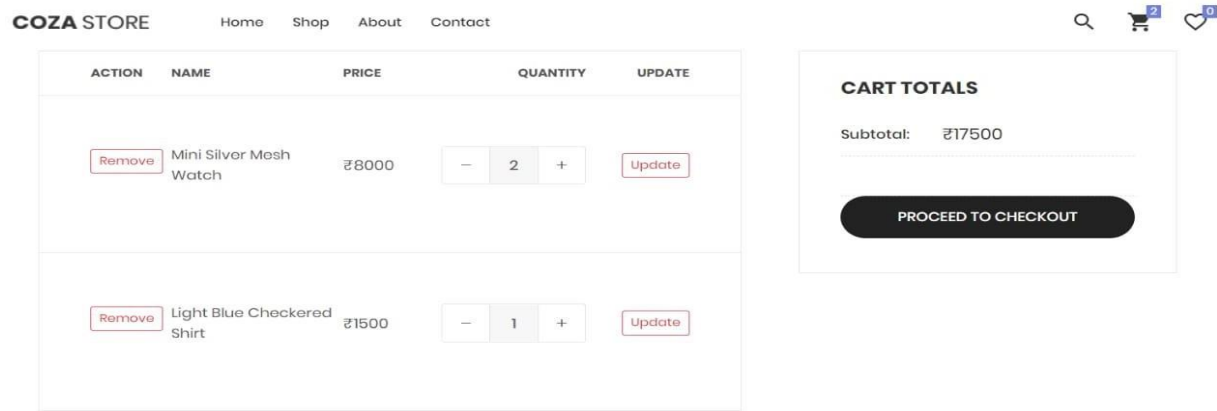
A login page is a web page or an entry page to a website that requires user identification and authentication, regularly performed by entering a username and password combination. Logins may provide access to an entire site or part of a website.

<https://codepen.io/>



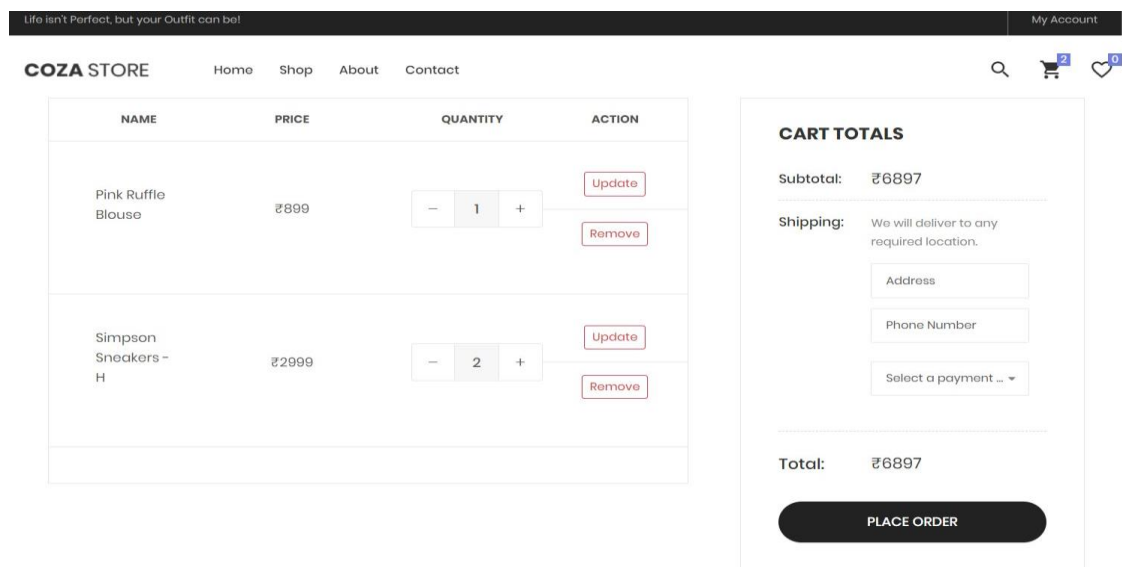
- **User Interface- Cart Page:**

A cart page is an essential part of an e-commerce website. It is the page where users can pile up what they want to buy from the website and then simply checkout by paying online. To comprehend what a cart page does, think of it as a normal shopping cart in a store. https://www.w3schools.com/howto/howto_css_signup_form.asp



- **User Interface- Proceed to checkout page:**

The checkout process is the series of steps a customer follows to purchase the items in their shopping cart on an ecommerce store. This includes every step that a customer goes through to proceed through to checkout. An ideal checkout flow will have a smooth, frictionless user experience. https://www.w3schools.com/howto/howto_js_password_validation.asp



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