Online Shopping Website

A mini Project Report submitted in partial fulfillment of the requirements

for the award of the degree of

Bachelor of Technology
In
Computer Science and Engineering
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Under the Guidance of

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2020

DECLARATION

I hereby declare that the work which is being presented in the Mini Project **"Online Shopping Website"** in impartial fulfillment of the requirements for Mini Project viva voce, is an authentic record of our own work carried under the supervision of "Mr. Pankaj Kapoor".

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ABSTRACT

Online Shopping Website is an online shopping application which will be mainly used for the selling of electronic gadgets (i.e,variety of smartphones,dresses,electronic gadgets,etc.).Nowadays it has become difficult to find an e-commerce site that sells smartphones and other items.In this application,as soon as the user enters the website,he will see the items of the store.This index page is divided into three parts namely, login page ,signup page,aboutus page and contactus page,wishlist page,modify details page,etc.Information, My Account and Contact Us are text but beneath them all are links except the number below the contact us. Login link below the My Account will again trigger the modal.

On the signup page, new users can register using the 'signup' form and create accounts, while existing users can login using the 'login' modal.The functionality of the form comprises of form validation and form injection In order that the data entered by any user is considered as a valid input. Each user on the website will be uniquely identified by his email id, so we must ensure that no two users have the same email ids.If the user is logged in, he can go to the home page, the confirm page, the success page or the settings page. When he/she isn't logged in and he tries to navigate to the above pages, he/she if redirected to the index page of the website.

INTRODUCTION

Objective

To create a fully functional e-commerce website that will contain variety of items of one type for the users to choose from.The landing page of the website should contain the login page,signup page and Contact page that must trigger the modal whenever the user clicks on the link.The navbar will contain cart,my wishlist and login/register options.An additional safety feature being implemented in these forms are that the passwords entered by the users are encrypted. Therefore, even if the database is compromised by a hacker, he/she cannot determine the password or any other details of credit cards,etc.The user is redirected to the home page, where he can browse and order items. When he/she isn't logged in and he tries to navigate to the above pages, he/she if redirected to the index page of the website. In this case, clicking on the logo from any page redirects the user to the index page. In this case, clicking on the logo from any page redirects the user to the home page.

What is Online Shopping Website?

Online Shopping Website is an online shopping application which will be mainly used for the selling of electronic gadgets (i.e, variety of smartphones).This e-commerce website shows many items and types of electronic gadgets (i.e, variety of smartphones,laptops,etc.) to choose from.In this application,as soon as the user enters the website ,he will see the items of the store.The index page is divided into three parts namely, login page ,signup page,aboutus page and contactus page. Information, My Account and Contact Us are text but beneath them all are links except the number below the contact us. Login link below the My Account will again trigger the modal. Each user on the website will be uniquely identified by his email id, so we must ensure that no two users have the same email ids.

Technology Used

This project has been developed using PHP (Hypertext Preprocessor), and MySQL (Structured Query Language) as well as jQuery. For formatting we have used HTML (Hypertext Markup Language), Bootstrap and CSS (Cascading Style Sheet).

Requirements

Hardware Requirements

◆　　　　Personal computer with internet connection

◆　　　　i3 Processor Based Computer or Higher

◆　　　　Hard Drive: 5 GB(Minimum)

Software Requirements

◆　　　　Windows 7 or higher

◆　　　　Xampp

◆　　　　Notepad++

Frontend Tools

◆　　　　HTML

◆　　　　CSS

◆　　　　Bootstrap

Backend Tools

◆　　　　PHP
◆　　　　SQL
◆　　　　Xampp
◆　　　　jQuery

Methodology

Project Research

The implementation, understanding and testing stage are primarily the most important part because we analyse here and set the road ahead for the entire project.

Firstly, we understand the process that how an e-commercial website works for which we're creating an online shopping website and generate ideas for how it's GUI should look like and function.

Website Design

Next comes the fun part. Deciding how our website should look like. Also giving admin and customer an enhanced experience of online shopping.

Implementation & Testing

Now comes the main part, we divide this part into following ,frontend and backend.

Implementation

Description

- To create a fully functional e-commerce website that will contain variety of items of one type for the users to choose from.
- The web page must show the various items and their respective product names along with their prices.
- The Change password form in the my profile page will use form injection to reduce security threats in case the user enters the incorrect 'Old Password' for the form validation.
- We will use an encryption technique in which once the user's input is validated, the data entered by him is accepted and stored in a database (MySQL is used for this purpose).
- Each user on the website will be uniquely identified by his email id.

System Details

- Actions page
- All_products page
- Brands page
- Cart page
- Category page
- Change password page
- Category page
- Config page
- Edit_user page
- Header page
- Footer page
- Index page
- Instamojo page
- Latest products page
- Popular products page
- Register page
- Search page
- Single product page
- Success page
- User orders page
- User profile page
- Wishlist page

IMPLEMENTATION AND USER INTERFACE

INDEX PAGE:

The index page is usually the first page that a user visits on any website. When a user first visits the items store website, he will see the following page.
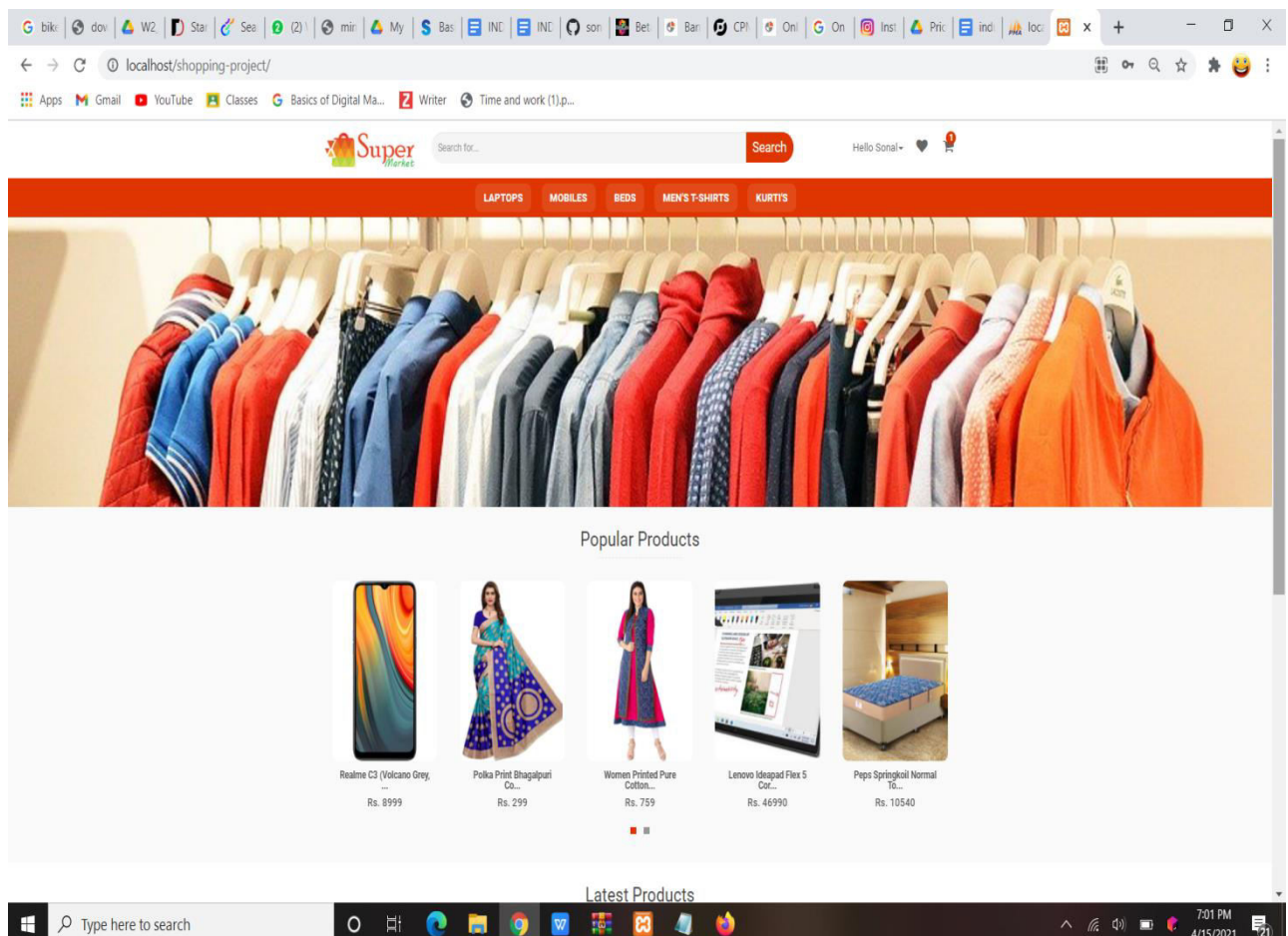
On successfully signing up ,the complete landing page of the website looks as follows:
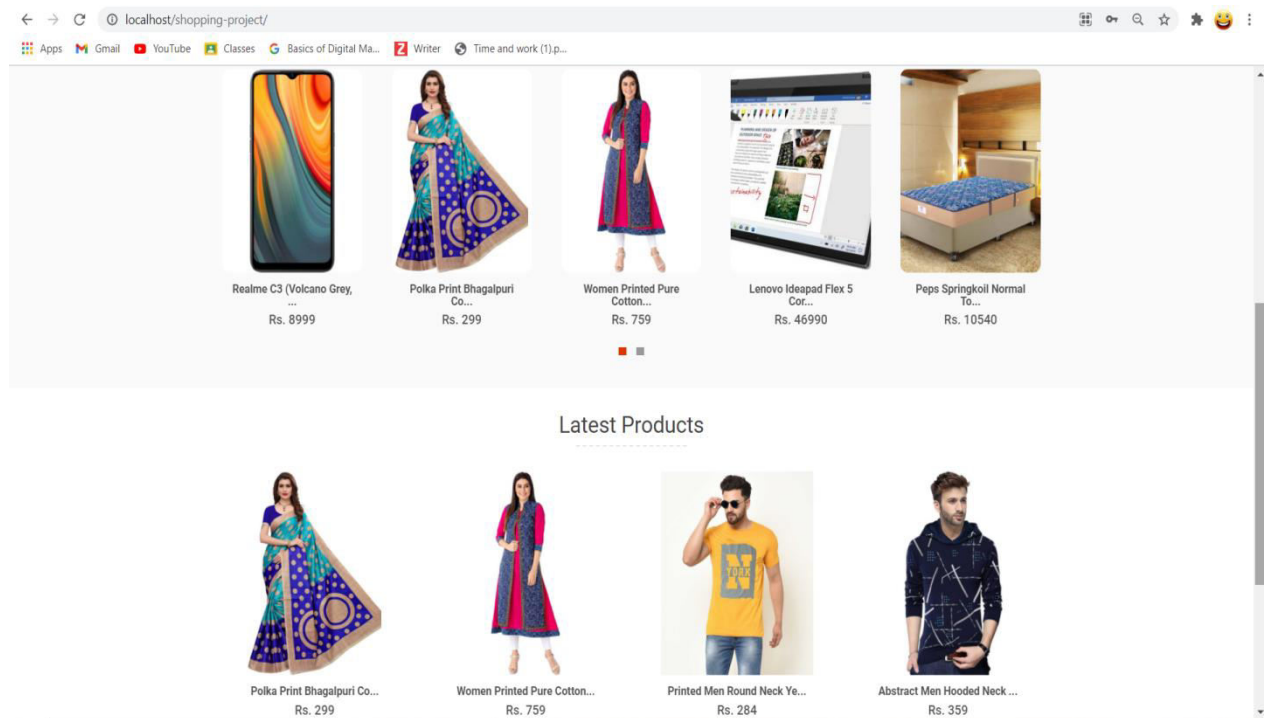
<u>Sign up page:</u>

The user is required to signup before he/she can explore the website.As soon as the user fills the valid details ,he/she is successful in signup.

Online shopping website

Note that in case of redundancy of data ,following page is displayed -
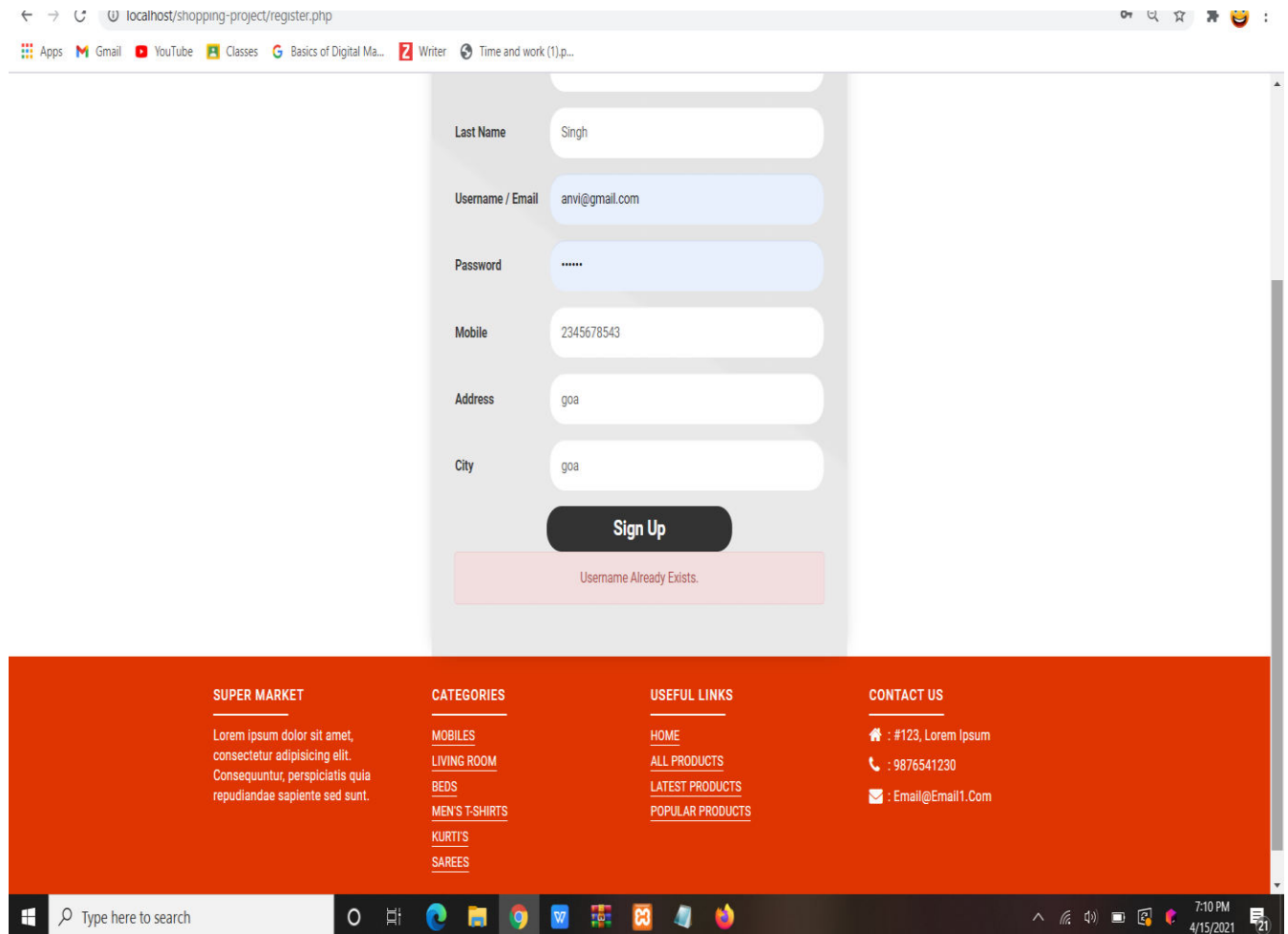
Login page :

The user can login into this website using his credentials and explore the website.

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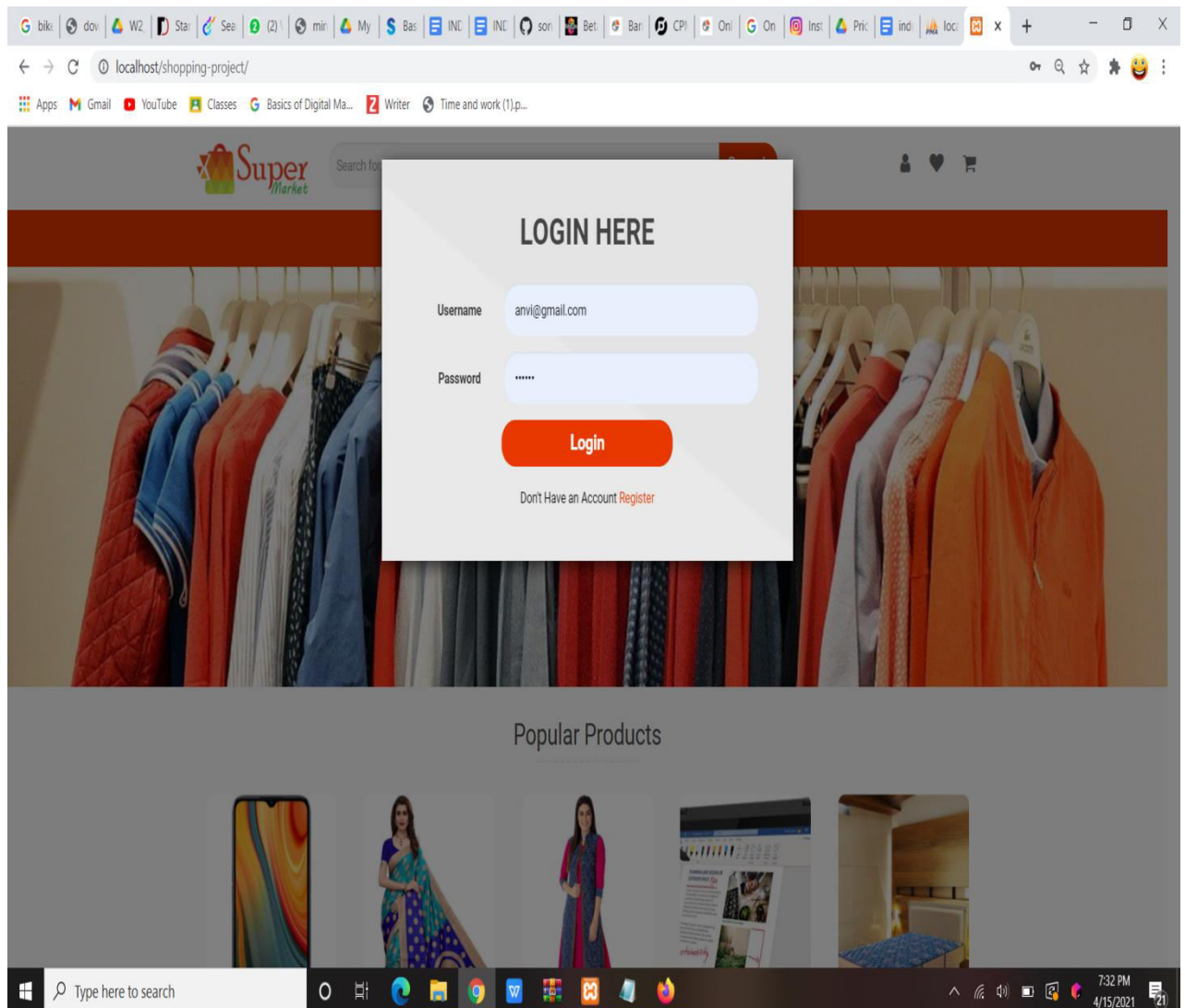
My Cart page:

This page will show list of all the items that the user has selected to purchase.

Latest products page:

This page shows all the latest products and arrivals of this store with many categories such as dresses for both females and males,electronic gadgets,cushions,etc

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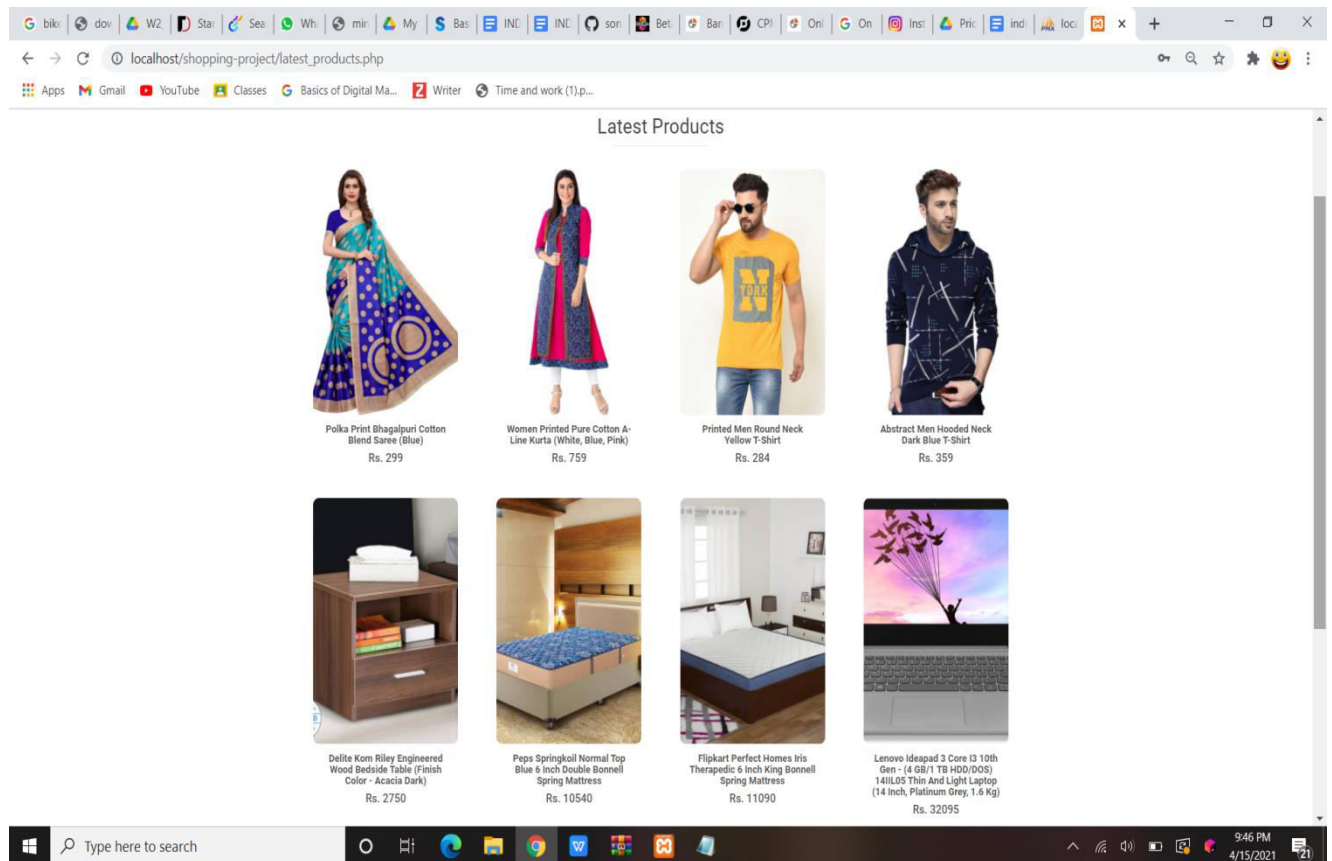
Popular products page:

This page gives the user some suggestions from the popular products while he/she is buying the product.

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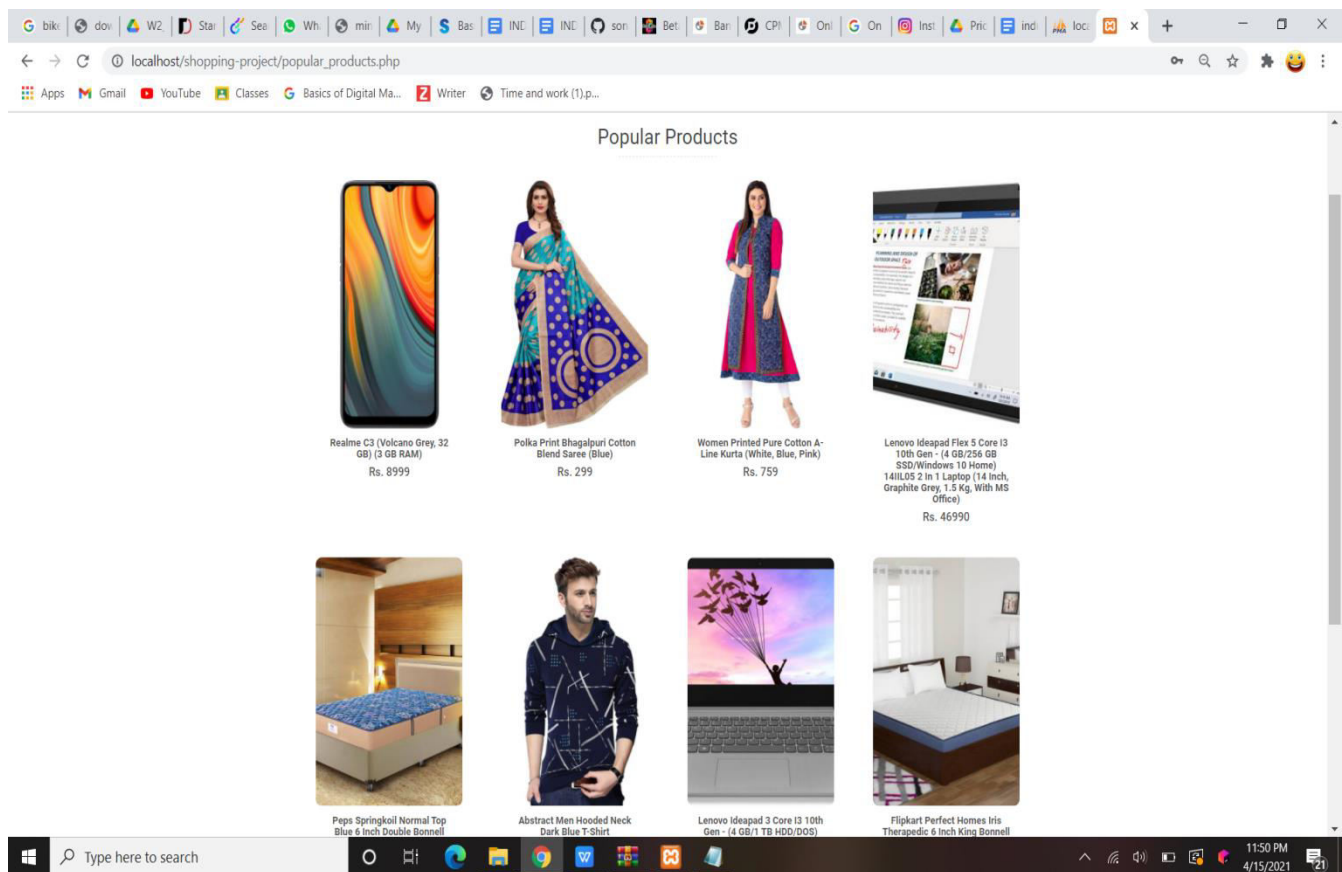
My Profile page :

This page shows the personal details of the user .It contains Modify Details and Change Password options which can be used to change the confidential information in the user's profile and change the password respectively.

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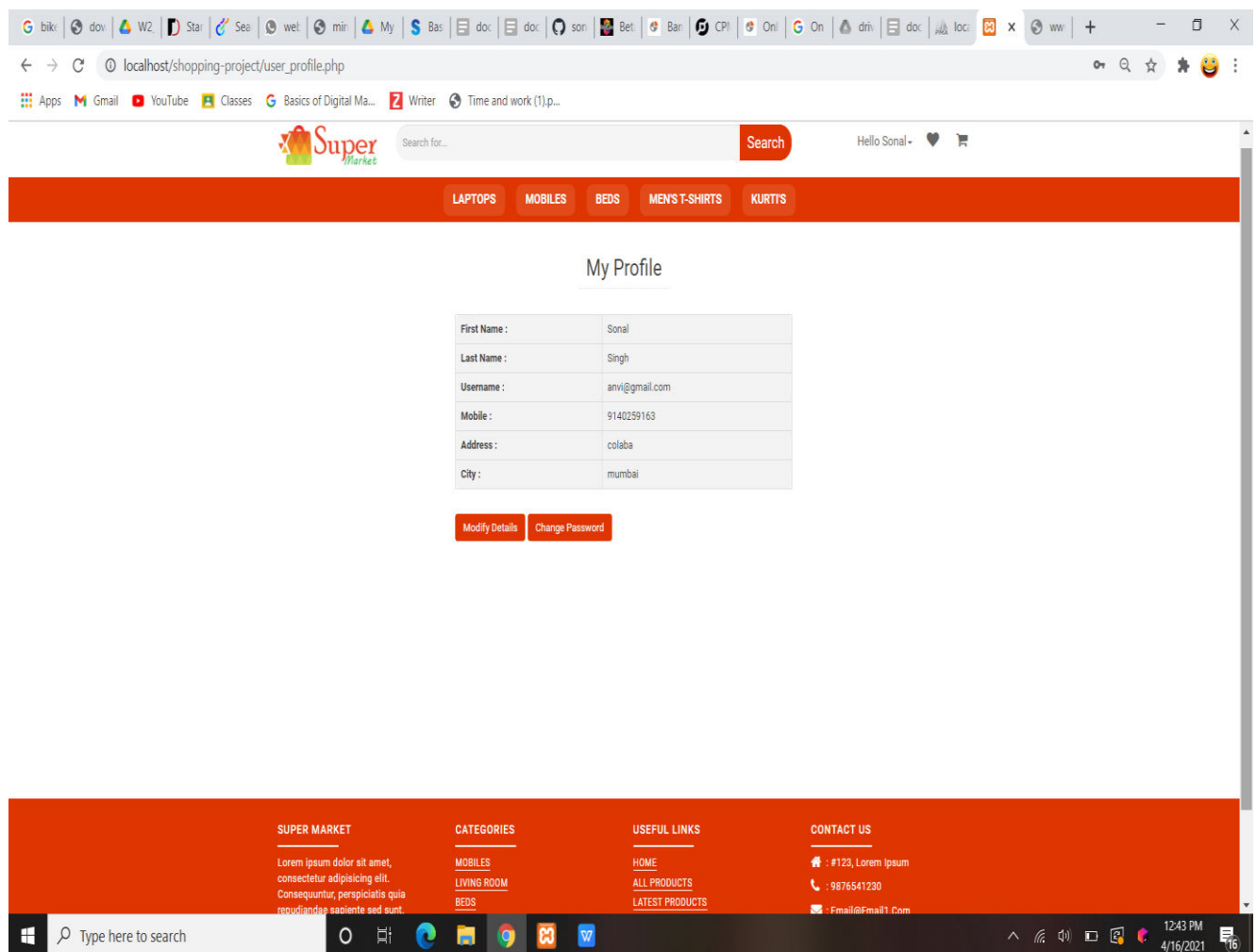
Modify Details page:

This page contains the fields to change the information in user's profile.

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Change Password page:

This page shows the fields to change the password.

Contribution Summary

This project is divided into two major module namely **Frontend** and **Backend**.
This website is further divided into 22 modules/pages for each functionality.

- Actions page is designed by Sonal Singh.
- All_products pageis designed by Sonal Singh.
- Brands page is designed by Sonal Singh.
- Cart page is designed by Sonal Singh.
- Category page is designed by Sonal Singh.
- Change password page is designed by Sonal Singh.
- Category page is designed by Sonal Singh.
- Config page is designed by Sonal Singh.
- Edit_user page is designed by Sonal Singh.
- Header page is designed by Sonal Singh.
- Footer page is designed by Sonal Singh.
- Index page is designed by Bharti Sharma.
- Instamojo page is designed by Bharti Sharma.
- Latest products page is designed by Bharti Sharma.
- Popular products page is designed by Bharti Sharma.
- Register page is designed by Bharti Sharma.
- Search page is designed by Bharti Sharma.
- Single product page is designed by Bharti Sharma.
- Success page is designed by Bharti Sharma.
- User orders page is designed by Bharti Sharma.
- User profile page is designed by Bharti Sharma.
- Wishlist page is designed by Bharti Sharma.

Work Done

- Actions page
- All_products page
- Brands page
- Cart page
- Category page
- Change password page
- Category page
- Config page
- Edit_user page
- Header page
- Footer page
- Single product page
- Success page
- User orders page

Work Left

- Latest products page
- Popular products page
- Register page
- Search page
- Wishlist page
- Index page
- Instamojo page

BIBLIOGRAPHY

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The following references were used while doing this project :

1. HTML Tutorial-W3School : https://www.w3schools.com

2. CSS Tutorial-W3School: https://www.w3schools.com>CSS