**EASYKART**

**PROJECT REPORT**

OF MAJOR PROJECT (EASYKART)

**MASTER OF COMPUTER APPLICATIONS**

2017-2019

|  |  |
| --- | --- |
| Supervised By | Submitted By |
| Reema Lalit | RHYTHM GAUTAM |
| Assistant Professor | CSE/17/217 |

## BMIET

## 

## DECLARATION

I, RHYTHM, a student of Master of Computer Applications, in the Department of BMIET SONIPAT, under class **Roll No. CSE/17/217** for the session 2018-2019, hereby, declare that the Project Report entitled **“Easykart”** has been completed by me in 6th semester during the six months project training. I hereby declare that the matter embodied in this Project is my original work and has not been submitted earlier for award of any degree or diploma in any college or University.

Date: **RHYTHM GAUTAM**

### 

## CERTIFICATE

Department of Computer Applications

BMIET SONIPAT

It is certified that Mrs.RHYTHM GAUTAM, a student of BMIET, under class Roll No. CSE/17/217 for the session 2018-2019, has completed the project entitled ***Easykart***under my supervision.

This project report is an authentic work of the candidate, as per his/her declaration and is found to be fit for the award of Master’s degree in Computer Applications in accordance with the rules and regulations of PIET, Panipat as per my opinion.

I wish him/her all success in his/her all endeavors.

Ms. Reema Lalit

Assistant Professor

BCA/MCA Department

**ACKNOWLEDGEMENT**

It has been rightly remarked, “Success is the satisfactory achievement of chosen and desired objective. It is the attainment of the major objects; you earnestly desired and worked for with burning enthusiasm and dedication.”

Before we get into things, I would like to share a few heartfelt words with the people who were part of this project in numerous ways, people who gave unending from the beginning.

The successful completion of the project is a combined effort of a number of people, and all of them have their own importance in the achievement of objective.

I cannot miss this opportunity to thank **Ms. Reema Lalit** as a mentor for her timely support and valuable guidance throughout the project.

Last but not the least I would also like to thank my parents & project mates for being a pillar of strength and support in times of stress & difficulty throughout the project duration.

(RHYTHM)

**ABBREVIATIONS**

|  |  |
| --- | --- |
| AJAX | Asynchronous JavaScript and XML |
| CSS | Cascading Style Sheets |
| DFD | Data Flow Diagram |
| E-R | Entity Relationship |
| HTML | Hypertext Markup Language |
| SQL | Structured Query Language |
| XML | Extensible Markup Language |

**ABSTRACT**

An Online shop that has various products needed as per user’s needs. The system is built to help users in shopping and shop in their behalf. The system takes users choice and shops on their behalf. The system is proposed to be built on artificial intelligence techniques that ensure hassle free shopping experience for users. The system also includes M-Wallet integration. M-Wallet integration ensures a good online shopping experience. The integration of both these systems allows users to just enter his choices and the system fetches the best deal for the user within no time.

**Features:**

1. **Seller Module**

* Adding/Managing Brands
* Adding/Managing Product by Providing Basic details
* Adding/Managing Category and Sub Category.
* Update Tracking of Orders.
* View Users.
* View Sales with Search by Date Option.
* View Feedback.

1. **User Module**

* Registration
* Asking Preferences.
* When User logs in for the first time in a day, he will be redirected to the cart page where we have already added some products into the cart based on his Preferences.
* Home Page: User will be shown all the available products for sale. He can Search, Sort, Refine Products according to his needs.
* Recording Users Preferences: System will be keeping track of user's activity, like which product did he looked but not bought it, which category he always looks for, etc.
* View Product Description: When user selects a particular product, system provides details about it.
* Load Wallet: User needs to verify his email account to activate wallet. and then he can load wallet using dummy card payment.
* Checkout: User can check out his cart and pay using dummy card payment portal or if his wallet is activated he can pay using wallet.
* View Order: User can have a look on his previous Orders.
* View Order Status: User can get to know update upon his current Orders.
* Forgot password.
* Leave Feedback.

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**Chapter-1**

**Project Description**

**CHAPTER-2 Project Description**

An Online shop that has various products needed as per user’s needs. The system is built to help users in shopping and shop in their behalf. The system takes users choice and shops on their behalf. The system is proposed to be built on artificial intelligence techniques that ensure hassle free shopping experience for users. The system also includes M-Wallet integration. M-Wallet integration ensures a good mobile shopping experience. The integration of both these systems allows users to just enter his choices and the system fetches the best deal for the user within no time.

**Features:**

1. **Seller Module**

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* View Order Status: User can get to know update upon his current Orders.
* Forgot password.
* Leave Feedback.

**Technologies Used:**

This project will be using the following technology stack:

* **HTML**
* **Bootstrap**
* **JQuery**
* **JavaScript**
* **Django**

**HTML:** HTML is the standard markup language for creating Web pages. HTML stands for Hyper Text Markup Language. HTML describes the structure of Web pages using markup. HTML elements are the building blocks of HTML pages. HTML elements are represented by tags. HTML tags label pieces of content such as "heading", "paragraph", "table", and so on.

Browsers do not display the HTML tags but use them to render the content of the page.

Bootstrap: Bootstrap is a free front-end framework for faster and easier web development. Bootstrap includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousel carousels and many other, as well as optional JavaScript plugins. Bootstrap also gives you the ability to easily create responsive designs.

**JQuery:** jQuery is a lightweight, "write less, do more", JavaScript library. The purpose of jQuery is to make it much easier to use JavaScript on your website. jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish and wraps them into methods that you can call with a single line of code. jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

**JavaScript**: JavaScript often abbreviated as JS, is a high level, interpreted programming language. It is a language which is also characterized as dynamic, weakly typed, prototype-based and multi-paradigm. Alongside HTML and CSS, JavaScript is one of the three core technologies of World Wide Web content engineering. It is used to make webpages interactive and provide online programs, including video games. The majority of websites employ it, and all modern web browsers support it without the need for plug-ins by means of a built-in JavaScript engine. Each of the many JavaScript engines represent a different implementation of JavaScript.

**Django:** *Django* is a high-level Python Web framework that encourages rapid development and clean, pragmatic design. Built by experienced developers, it takes care of much of the hassle of Web development, so you can focus on writing your app without needing to reinvent the wheel. It's free and open source. Ridiculously fast.

**2.1 Project purpose**

The main purpose of this website is to give an access to a platform to all those individuals who are related to Retails Business. An individual can also take benefits from our project by finding the right deal for himself/herself.

**EasyKart** manages the list of products and their categorization. This list helps our users to search through a vast database. Products can be filtered using various filters and criterias.

**2.2 Project scope**

With the affordable access to the Internet every household can now access the World Wide Web. Unlike the older days now everyone from child to old knows how to use internet and are connected to internet. With the popularity of Internet, Online applications have become a trend to interact with the clients. Every company now can connect to their clients/users electronically, without requiring them to visit their offices.

**EasyKart** has been designed by keeping the same information in mind. **EasyKart** gives solution to each and everyone who is connected to the internet to buy and sell products from their homes. In the older days, a user has to visit a lot of shops to buy Products.

With **EasyKart,** the user need not to visit any agent, they can just simply search for the products they are looking for and can get the list of right offers directly in their mailboxes.

**EasyKart** provides all services to its users. It also has a unique search feature which lets the intended buyers to search for products using various criteria’s. For e.g. a user can look up for products within specific category, or within specific budget. This helps them to identify only those products which are more appropriate for them.

**2.3 Project Objectives**

* The primary object of this project is to connect buyers and sellers together.
* Seller needs to have their login accounts. A login form should display before managing products.
* The Seller should have all the rights (proposed).
* The Seller should maintain and verify products.
* The Seller should inform the agents for regarding the Products.
* The Seller can change the information regarding products, cancellation of products or changing buyer choice.

* The buyer can buy products for purchase.

|  |
| --- |
|  |

**2.4 Project Goals**

* **Planned approach towards working**: - The working of the organization should be well organized with the right approach in place. The data must be saved accurately in data stores, which’ll help in getting information from data storage.
* **Accuracy**: - Every project must have some level of accuracy. However, the level of accuracy in the **EasyKart** is undecided. A buy and the other sell. Gaurantee cannot be confirmed.
* **Reliability**: - The system is highly reliable for the reasons stated above. The system maintains its high reliability because of the various quality check and constraints. These checks help us to maintain the level of reliability users have on their clients.

**Chapter-3**

**Requirement Analysis**

**CHAPTER-3 System Requirement Specifications**

**3.1 Scope:**

With the affordable access to the Internet every household can now access the World Wide Web. Unlike the older days now everyone from child to old knows how to use internet and are connected to internet. With the popularity of Internet, Online applications have become a trend to interact with the clients. Every company now can connect to their clients/users electronically, without requiring them to visit their offices.

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**3.2 Objectives**

* The primary object of this project is to connect buyers and sellers together.
* Sellers needs to have their login accounts. A login form should display before adding products.
* The Seller should have all the rights.
* The Seller should maintain and verify packages.
* The Seller should inform the sellers about the terms and policies of business.
* The Seller can change the information regarding orders, cancellation of orders or changing buyer choice.

* The buyer can buy products for purchase.

**3.3 Overall description:**

**3.3.1 Product Prospective:**

* **Seller’s interface:** Admin’s responsibilities includes handling the entire system. Admin must verify the details entered by its user and must take necessary actions. Every user in the system will be provided a user name and password to access the admin portal.
* **User’s interface:** User can access the system by creating a free account in the website. Account creation gives a user access to uploading packages, requirements and managing their profiles.

**3.3.2 Product Functions:**

* **Our system must save time and money: EasyKart** ensures that the buyers and sellers can connect to each other without visiting them to each other directly. This saves a lot money and time for both.
* **Reduce rework:** Early validation means “development and quality teams spend” lessor amount of time on re-work.
* **Improve requirement accuracy:** Industry-oriented story-boarding improves accuracy by promoting effective communication.

**3.3.3 Assumptions and Dependencies:**

**Assumptions:**

* “The code should be free with compilation errors/syntax errors”.
* “The product must have an interface which is simple enough to understand”.

**Dependencies:**

* “All necessary hardware and software are available for implementing and use of the tool.
* The proposed system would be designed, developed and implemented based on the software requirements specifications document.
* End users should have basic knowledge of computer and we also assure that the users will be given software training documentation and reference material.
* The system is not required to save generated reports.

**3.4 Specific Requirements:**

**Software requirements:**

* Any Version of browser after Mozilla Firefox 4.0, Internet Explorer 6.0
* Python
* Django

**Hardware requirements:**

* Any processor after Pentium 4.
* Any version of Windows XP or later.
* Min RAM 2 GB.
* Hard Disk 500 GB.

**3.5 Functional and Non-Functional Requirement:**

* **Functional Requirements:**

“Since this project uses database and control, it needs the retrieval of information from the database”. “It needs access of Database from a front end, as PHP provides easy linking to the database, along with the flexibility required to develop a user-friendly front end,

* **Functional Requirements**
  + **Usability: “**The interface should use terms and concepts, which are drawn from the experience of the people who will make most of the system”.
  + **Efficiency: “**The system must provide easy and fast access without consuming more cost”.
  + **Reliability: “**User should never be surprised by the behavior of the system and it is easy to use to stored data and easy to used transfer voice data” (only .wav files)

**3.6 System attributes:**

* **Reliability**

“This system is designed to have very simple database just to cater the exact need of real estate management. It is tested for all the constraints at development stage”.

* **Availability**

“This system will only available till the system on which it is installed is running”.

* **Security**

“This system is provided with authentication without which no user can pass”. “So only the legitimate users are allowed to use the application”. “If the legitimate users share the authentication information then the system is open to outsiders”.

* **Maintainability**

“There will be no maintenance required for the software”., The database is provided by the end-user and therefore is maintained by this user.

* **Portability**

“The system is not portable as it is a standalone application running on single system with no shared database.

**Chapter-4**

**Feasibility Study**

**CHAPTER-4 Feasibility Study**

**4. Introduction**

“A feasibility study aims to objectively and rationally uncover the strengths and weaknesses of an existing business or proposed venture”, “opportunities and threats present in the environment”, “the resources required to carry through”, “and ultimately the prospects for success. In its simplest terms”, “the two criteria to judge feasibility are cost required and value to be attained”.

“Feasibilty study is the phase in which the analyst checks that the candidate system is feasible for the organization or not”.”This entails identification, description and evaluation of the system”.”Feasibility is done to select the best system that meets the performance requirement”.

“Preliminary investigation examine project feasibility”, “the likelihood the system will be useful to the organization”. “The main objective of the feasibility study is to test the Technical, Operational and Economical feasibility for adding new modules and debugging old running system”. “All system is feasible if they use unlimited resources and infinite time”. “Feasibility and risk analysis are related to each other”. “If project risk is great, the feasibility of producing quality software is reduced”.

There are aspects in the feasibility study portion of the preliminary investigation:

* Technical Feasibility
* Operational Feasibility
* Economical Feasibility

**4.1 Technical Feasibility**

“A study of function, performance, and constraints that may affect the ability to achieve an acceptable system”. “It is the most difficult area to assess because objectives, functions, and performance are somewhat hazy; anything seems possible if the right assumptions are made”.

“The technical issue usually raised during the feasibility stage of the investigation includes the following”:

* “Does the necessary technology exist to do what is suggested”?
* “Does the proposed equipment have the technical capacity to hold the data required to use the new system”?
* “Will the proposed system provide adequate response to inquiries, regardless of the number or location of users”?
* “Can the system be upgraded if developed [ ?
* “Are there technical guarantees of accuracy, reliability, ease of access and data security”?

**4.1.1 Development Risk**

* “Can the system element be designed so that necessary function and performance are achieved within the constraints uncovered during analysis”?

**4.1.2 Resource availability**

* “Are skilled staffs available to develop the system element in Question”? “Are any other necessary resources (hardware and software) available to build the system”?

**4.1.3 Technology**

* **[[**Has the relevant technology progressed to a state that will support the system”?
* [All of the above consideration also applies to the work I have done”. “As far as developments risks are concerned”, “yes necessary functions and the constraints under which they have to perform have been identified and divided into modules so that each module performs its own assigned task”.
* “As for skilled staff for development is concerned”, “I am the only person performing this task and I have fully understood the problem”. “I am sufficiently equipped with the use of programming and can perform this tasks in the given time constraints”.

“Earlier no system existed to cater to the needs of ‘Secure Infrastructure Implementation System’. The current system developed is technically feasible. Thus it provides an easy access to the users”.

“The database’s purpose is to create, establish and maintain a workflow among various entities in order to facilitate all concerned users in their various capacities or roles”. “Permission to the users would be granted based on the roles specified”. “Therefore, it provides the technical guarantee of accuracy, reliability and security”.

“The software and hard requirements for the development of this project are not many and are already available as free as open source”. “The work for the project is done with the current equipment and existing software technology”. “Necessary bandwidth exists for providing a fast feedback to the users irrespective of the number of users using the system”.

**4.2 Operational Feasibility**

“This study helps us in finding whether the work to be done will be operational with the available staff and within the given time”. “The staff is fully capable of handling information system”. [The IT literacy is of good order and the software has been made in such a way that it becomes easier for the user to answer queries being asked”. “This will facilitate easy use and adoptability of the system”.

“Proposed projects are beneficial only if they can be turned out into information system”. “That will meet the organization’s operating requirements”. “Operational feasibility aspects of the project are to be taken as an important part of the project implementation”. “Some of the important issues raised are to test the operational feasibility of a project includes the following”:

* “Is there sufficient support for the management from the users”?
* “Will the system be used and work properly if it is being developed and implemented”?
* “Will there be any resistance from the user that will undermine the possible application benefits”?

“This system is targeted to be in accordance with the above-mentioned issues. Beforehand”, [[[the management issues and user requirements have been taken into consideration”. “So there is no question of resistance from the users that can undermine the possible application benefits”.

“The well-planned design would ensure the optimal utilization of the computer resources and would help in the improvement of performance status”.

**4.3 Economic Feasibility**

“An evaluation of development cost weighed against the ultimate income or benefit derived from the development system or product”. [A system can be developed technically and that will be used if installed must still be a good investment for the organization”. “In the economical feasibility, the development cost in creating the system is evaluated against the ultimate benefit derived from the new systems”. “Financial benefits must equal or exceed the costs”.

It includes a broad range of concerns such as:

* Cost-benefit Analysis
* Long-term m corporate income strategies
* Impact on other profits/products
* Cost of resources needed for development
* Potential market growth

“The system is economically feasible”. “It does not require any addition hardware or software”. “Since the interface for this system is developed using the existing resources and technologies available”. “There is nominal expenditure and economical feasibility for certain”.

**Chapter-5**

**System Design**

**CHAPTER-5 System Design**

* 1. **Use-Case Diagram**

**EasyKart**

Seller

Fig 5.1: Seller Use-Case Diagram

**5.1.2 Buyer Use Case Diagram**

**EasyKart**

Buyer

Fig 5.2: Buyer Use-Case Diagram

**5.1.2 Owner Use Case Diagram**

**EasyKart**

Vendor/Seller

Fig 5.3 Vendor Use Case Diagram

**5.2 Sequence Diagram**

**Buyer/User**

**EasyKart**

**Vendors/Sellers**

Search Products

Login

Verify Password

Login Verified

Post Products for

Sale

Verify and upload Product

List of Products

Submit Response

Update Products

Buy Products and Confirm Order

Fig 5.5: Sequence Diagram

**5.3 Activity Diagram**

EasyKart

List of Products

List of Requirements

Buy Products

Check Products with matching requirements

Confirm Orders

Exit

Yes

No

Fig 5.6: Activity Diagram

**5.4 Data Flow Diagram:**

* **Level 0 (DFD CONTEXT):**

**Seller**

Add Products

Manage Products

**Buyer**

Track Orders

**Admin**

Buy Products

Control

Verification Detail

Fig 5.7: Level 0 DFD Diagram

* **Level 1 DFD**

**Seller**

Account

Created

Create Account

Registration

Confirmed

**Users**

**User Details**

Post New Products

**Products**

**Buyer**

Products

Matched

**Orders**

Search Packages

Track Order Details

Fig 5.8 Leval 1 DFD Diagram

* **Level 2 DFD**

**User**

Enter Account Details

Account Created Successfully

Enter Current and New Password

Password Changed Successfully

Enter Email Id and Security Answer

Password Reset Successfully

Enter Account Details

Account Details Update

**Users**

**User Details**

**Sellers**

Fig 5.9 Leval 2 DFD Diagram

* **Leval 3 DFD**

Fig 5.10 Leval 3 DFD Diagram

**Seller**

**Users**

Enter Login Details

Verified Account

Enter Products Details

**Products**

Enter Updations

Product Added Successfully

Property Updated Successfully

**5.6 Data modeling**

**3.6.1 Data Dictionary**

“Data Dictionaries are an integral component of analysis, since data flow diagram by him or she does not fully describe the subjects of the investigation”.

“A data dictionary is a catalog of the element in as system”. “This element centers on data and the way are structured to meet user requirements and needs”. “The major elements are dataflow, data stores and processes”. “Data dictionary stores details and description of these elements”.

“It is developed during data analysis and assists analysis involved in determining the system. Four main reasons of analysis are”:

* + “To manage the details in large system”.
  + “To communicate a common meaning for all system elements”.
  + “To document the features of the system”.
  + “To locate the errors and omissions in the system”.

“The data dictionary contains two types of descriptions as following”:

1. **Data Elements: “**The most fundamental data level is the data element. Data element is the building block for all others in the system<.

2. **Data Structure: “**A data structure is a set of items that are related to one another that describes components in the system”.

**Chapter-6**

**DataBase Tables**

**CHAPTER-6 Database Tables**

**Table Name**: <ShippingAddress>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Id | Int |  | Primary Key | Unique id of the Address |
| LoginId | Int |  | Foreign Key | Id of the user |
| Title | Varchar | 20 | Not Null | Title of the Address |
| HNo | Varchar | 20 | Not Null | House No |
| Area | Varchar | 20 | Not Null | Area Name |
| City | Varchar | 50 | Not Null | City of the User |
| Pincode | Int |  | Not Null | Pincode of the User |
| Landmark | Varchar | 100 |  | Landmark |

**Table Name**: <Brand>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| BrandId | Int |  | Primary Key | Id of the Brand |
| Name | Varchar | 30 | Not Null | Name of the Brand |
| Logo | Varchar | 50 | Not Null | Brand Logo Url |
| Desc | Text |  | Not Null | Brand Description |

**Table Name**: <Cart>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| CartId | Int |  | Primary Key | Id of the Cart Item |
| UserId | Int |  | Foreign Key | Id of the User |
| ProductId | Int |  | Foreign Key | Id of the Product |

**Table Name**: <Orders>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | DataType | Size | Constraint | Description |
| OrderId | Int |  | Primary Key | Id of the Order |
| LoginId | Int |  | Foreign Key | Id of the User |
| AddressId | Int |  | Foreign Key | Id of the Address to Deliver Order |
| DateTime | Date |  | Not Null | Date/Time of the Orders |
| Amount | Bit | 1 | Not Null | Amount of the Order |

**Table Name**: <OrderItem>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | DataType | Size | Constraint | Description |
| TxnId | Int |  | Primary Key | Id of the Transaction |
| OrderId | Int |  | Not Null | Id of the Order |
| ProductId | Int |  | Not Null | Id of the Product |
| Quantity | Int |  | Not Null | Item Quantities |

**Table Name**: <Product>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | DataType | Size | Constraint | Description |
| ProductId | Int |  | Primary Key | Id of the Product |
| CategoryId | Int |  | Foreign Key | Id of the Category |
| BrandId | Int |  | Foreign Key | Id of the Brand |
| Name | Varchar |  | Not Null | Name of the Product |
| Price | Double |  | Not Null | Product Price |

**Table Name**: <FeatureLookup>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Id | Int |  | Primary Key | Feature Lookup Id |
| CategoryId | Int |  | Foreign Key | Id of the Category |
| Name | Varchar | 50 | Not Null | Name |

**Table Name**: <FeatureValue>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Id | Int |  | Primary Key | Id of the Value |
| ProductId | Int |  | Foreign Key | Id of the Product |
| FeatureId | Int |  | Foreign Key | Id of the Feature |
| Value | Varchar | 2000 | Not Null | Value |

**Table Name**: <ProductImage>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Id | Int |  | Primary Key | Product Image Id |
| ProductId | Int |  | Foreign Key | Id of the Product |
| Image | Varchar | 100 | Not Null | Image Url |

**Table Name**: <Category>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Id | Int |  | Primary Key | Id of the Category |
| ParentId | Int |  | Foreign Key | Parent Id of the Category |
| Name | Varchar | 30 | Not Null | Name of the Category |
| Desc | Text |  | Not Null | Description of the Category |

**Table Name**: <Shipment>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Id | Int |  | Primary Key | Id of the Shipment |
| OrderId | Int |  | Foreign Key | Id of the User |
| Status | CharField | 20 | Not Null | Shipping Status |

**Table Name**: <Customer>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Id | Int |  | Primary Key | Id of the User |
| LoginId | Int |  | Primary Key | Id of the Login Account |
| Name | Varchar | 30 | Not Null | Name of the User |
| Gender | Char | 1 | Not Null | Gender of the User |
| Contact | Int |  | Not Null | Contact Number of User |

**Table Name**: <Login>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Id | Varchar | 50 | Primary Key | Id of the User |
| Email | Varchar | 100 | Not Null | Email Id of the User |
| Password | Varchar | 30 | Not Null | Password of the User |
| IsActive | Bit |  | Not Null | Is Account Active? |

**Table Name**: <ActiveLogin>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data Type | Size | Constraint | Description |
| Id | int | 50 | Primary Key | Id of the Active Login |
| LoginId | Int | 100 | Not Null | Login Id of the User |
| XToken | Varchar | 32 | Not Null | Unique Token to Authenticate User |
| Datetime | DateTime |  | Not Null | Is Account Active? |

**Chapter-7**

**Coding(Source Code)**

**CHAPTER-7 CODING (SOURCE CODE)**

**Views.py (Administrator App)**

from django.shortcuts import render,redirect

from django.http import HttpResponse

import json

from django.core import serializers

from administrator.models import \*

def Index(request):

return HttpResponse("Test");

def AddCategory(request):

if request.method=='GET':

categories=Category.objects.filter()

return render(request,"administrator/addcategory.html",{"categories":categories})

else:

parentid=request.POST.get("parentid")

name=request.POST.get("name")

desc=request.POST.get("desc")

category=Category(parentid=parentid,name=name,desc=desc)

category.save()

return redirect("/admin/category/")

def DeleteCategory(request,id):

Category.objects.get(id=id).delete()

return redirect("/admin/category/")

def UpdateCategory(request,id):

if request.method=='GET':

category=Category.objects.get(id=id)

categories=Category.objects.filter()

data={'category':category,'categories':categories}

return render(request,"administrator/addcategory.html",data)

else:

parentid=request.POST.get("parentid")

name=request.POST.get("name")

desc=request.POST.get("desc")

category=Category.objects.get(id=id)

category.name=name

category.desc=desc

category.parentid=parentid

category.save()

return redirect("/admin/category/")

def GetCategory(request,id):

Pass

def GetCategories(request):

categories=Category.objects.filter()

data={'categories':[]}

for category in categories:

if(category.parentid==0):

parent='None'

else:

parent=Category.objects.get(id=category.parentid).name

category.parent=parent

data['categories'].append(category)

return render(request,"administrator/categories.html",data)

#Brand

def AddBrand(request):

if request.method=='GET':

return render(request,"administrator/addbrand.html",None)

else:

name=request.POST.get("name")

logo=request.FILES.get("logo")

desc=request.POST.get("desc")

brand=Brand(name=name,logo=logo,desc=desc)

brand.save()

return redirect("/admin/brand/")

def DeleteBrand(request,id):

Brand.objects.get(id=id).delete()

return redirect("/admin/brand/")

def UpdateBrand(request,id):

if request.method=='GET':

brand=Brand.objects.get(id=id)

return render(request,"administrator/addbrand.html",{'brand':brand})

else:

name=request.POST.get("name")

logo=request.FILES.get("logo")

desc=request.POST.get("desc")

brand=Brand.objects.get(id=id)

brand.name=name

brand.desc=desc

if logo!=None:

brand.logo=logo

brand.save()

return redirect("/admin/brand/")

def GetBrand(request,id):

Pass

def GetBrands(request):

brands=Brand.objects.filter()

return render(request,"administrator/brands.html",{"brands":brands})

#Product

def AddProduct(request):

if request.method=='GET':

data={}

data['categories']=Category.objects.filter()

data['brands']=Brand.objects.filter()

return render(request,"administrator/addproduct.html",data)

else:

bid=request.POST.get("brandid")

cid=request.POST.get("categoryid")

name=request.POST.get("name")

price=request.POST.get("price")

brand=Brand.objects.get(id=bid)

category=Category.objects.get(id=cid)

product=Product(brandid=brand,categoryid=category,name=name,price=price)

product.save()

featurelookup=FeatureLookup.objects.filter(categoryid=category)

for feature in featurelookup:

featurevalue=FeatureValue()

featurevalue.productid=product

featurevalue.featureid=feature

featurevalue.value=request.POST.get('features['+str(feature.id)+']')

featurevalue.save()

return redirect("/admin/product/")

def DeleteProduct(request,id):

Product.objects.get(id=id).delete()

return redirect("/admin/product/")

def UpdateProduct(request,id):

if request.method=='GET':

data={}

data['product']=Product.objects.get(id=id)

data['categories']=Category.objects.filter()

data['brands']=Brand.objects.filter()

data['features']=FeatureValue.objects.filter(productid=data['product'])

return render(request,"administrator/addproduct.html",data)

else:

bid=request.POST.get("brandid")

cid=request.POST.get("categoryid")

name=request.POST.get("name")

price=request.POST.get("price")

brand=Brand.objects.get(id=bid)

cat=Category.objects.get(id=cid)

product=Product.objects.get(id=id)

product.brandid=brand

product.categoryid=cat

product.name=name

product.price=price

product.save()

FeatureValue.objects.filter(productid=product).delete()

featurelookup=FeatureLookup.objects.filter(categoryid=cat)

for feature in featurelookup:

featurevalue=FeatureValue()

featurevalue.productid=product

featurevalue.featureid=feature

featurevalue.value=request.POST.get('features['+str(feature.id)+']')

featurevalue.save()

return redirect("/admin/product/")

def GetProduct(request,id):

Pass

def GetProducts(request):

products=Product.objects.filter()

return render(request,"administrator/products.html",{"products":products})

#Product Images

def AddProductImage(request,id):

if request.method=='GET':

return render(request,"administrator/addproductimage.html",None)

else:

product=Product.objects.get(id=id)

for image in request.FILES.getlist("image"):

pi=ProductImage(productid=product,image=image)

pi.save()

return redirect("/admin/product/image/" + id)

def DeleteProductImage(request,id):

pi=ProductImage.objects.get(id=id)

parentid=pi.productid.id

pi.delete()

return redirect("/admin/product/image/"+str(parentid))

def GetProductImage(request,id):

Pass

def GetProductImages(request,id):

pis=ProductImage.objects.filter(productid=id)

return render(request,"administrator/productimages.html",{"id":id,"images":pis})

def GetFeatures(request,cid):

category=Category.objects.get(id=cid)

featureslist=FeatureLookup.objects.filter(categoryid=category)

data={}

data['features']=featureslist

data['category']=category

return render(request,"administrator/features.html",data)

def GetFeaturesList(request,cid):

category=Category.objects.get(id=cid)

featureslist=FeatureLookup.objects.filter(categoryid=category)

response\_data={}

response\_data['features']=serializers.serialize("json", featureslist)

return HttpResponse(json.dumps(response\_data), content\_type="application/json")

def GetFeaturesValues(request,pid):

product=Product.objects.get(id=pid)

featurevalues=FeatureValue.objects.filter(productid=product)

features=[]

for i in range(len(featurevalues)):

feature={}

feature['featureid']=featurevalues[i].featureid.id

feature['name']=featurevalues[i].featureid.name

feature['value']=featurevalues[i].value

features.append(feature)

#response\_data={}

#response\_data['features']=serializers.serialize("json", featurevalues)

return HttpResponse(json.dumps({'features':features}), content\_type="application/json")

def AddFeature(request,cid):

if(request.method=='GET'):

categories=Category.objects.filter()

data={'categories':categories}

return render(request,"administrator/addfeature.html", data)

else:

featurelookup=FeatureLookup()

featurelookup.categoryid=Category.objects.get(id=cid)

featurelookup.name=request.POST.get('name')

featurelookup.save()

return redirect('/admin/features/' + str(cid))

def DeleteFeature(request,fid):

featurelookup=FeatureLookup.objects.get(id=fid)

cid=featurelookup.categoryid.id

featurelookup.delete()

return redirect('/admin/features/' + str(cid))

**Models.py (Administrator App)**

**from django.db import models**

**class Login(models.Model):**

**email=models.EmailField(max\_length=100)**

**password=models.SlugField(max\_length=30)**

**isactive=models.BooleanField(max\_length=10)**

**class Customer(models.Model):**

**loginid=models.ForeignKey(Login,on\_delete=models.CASCADE)**

**name=models.CharField(max\_length=20)**

**gender=models.CharField(max\_length=10)**

**phone=models.CharField(max\_length=13)**

**class ShippingAddress(models.Model):**

**loginid=models.ForeignKey(Login,on\_delete=models.CASCADE)**

**title=models.CharField(max\_length=20)**

**hno=models.CharField(max\_length=20)**

**area=models.CharField(max\_length=20)**

**city=models.CharField(max\_length=20)**

**pin=models.IntegerField()**

**landmark=models.CharField(max\_length=100)**

**class Category(models.Model):**

**parentid = models.IntegerField()**

**name = models.CharField(max\_length=100)**

**desc = models.TextField()**

**class Brand(models.Model):**

**name = models.CharField(max\_length=100)**

**logo = models.FileField(upload\_to="")**

**desc = models.TextField()**

**class Product(models.Model):**

**brandid = models.ForeignKey(Brand,on\_delete=models.CASCADE)**

**categoryid = models.ForeignKey(Category,on\_delete=models.CASCADE)**

**name = models.CharField(max\_length=200)**

**price = models.DecimalField(max\_digits=10,decimal\_places=2)**

**class ProductImage(models.Model):**

**productid = models.ForeignKey(Product,on\_delete=models.CASCADE)**

**image = models.FileField()**

**class FeatureLookup(models.Model):**

**categoryid=models.ForeignKey(Category,on\_delete=models.CASCADE)**

**name=models.CharField(max\_length=50)**

**class FeatureValue(models.Model):**

**productid=models.ForeignKey(Product,on\_delete=models.CASCADE)**

**featureid=models.ForeignKey(FeatureLookup,on\_delete=models.CASCADE)**

**value=models.CharField(max\_length=40)**

**class Cart(models.Model):**

**loginid=models.ForeignKey(Login,on\_delete=models.CASCADE)**

**productid=models.ForeignKey(Product,on\_delete=models.CASCADE)**

**class Order(models.Model):**

**loginid=models.ForeignKey(Login,on\_delete=models.CASCADE)**

**addressid=models.ForeignKey(ShippingAddress,on\_delete=models.CASCADE)**

**datetime=models.DateTimeField()**

**amount=models.DecimalField(max\_digits=10,decimal\_places=2)**

**class OrderItem(models.Model):**

**orderid=models.ForeignKey(Order,on\_delete=models.CASCADE)**

**productid=models.ForeignKey(Product,on\_delete=models.CASCADE)**

**quantity=models.IntegerField()**

**class Shipping(models.Model):**

**orderid=models.ForeignKey(Order,on\_delete=models.CASCADE)**

**status=models.CharField(max\_length=20)**

**class ActiveLogin(models.Model):**

**loginid=models.ForeignKey(Login,on\_delete=models.CASCADE)**

**xtoken=models.CharField(max\_length=32)**

**datetime=models.DateTimeField()**

**Base.html (Template->Administrator App)**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="utf-8">**

**<meta http-equiv="X-UA-Compatible" content="IE=edge">**

**<meta name="viewport" content="width=device-width, initial-scale=1">**

**<meta name="description" content="">**

**<meta name="author" content="">**

**<title>EasyKart</title>**

**{% load static %}**

**<!-- Bootstrap Core CSS -->**

**<link href="{% static 'administrator/css/bootstrap.min.css' %}" rel="stylesheet">**

**<!-- MetisMenu CSS -->**

**<link href="{% static 'administrator/css/metisMenu.min.css' %}" rel="stylesheet">**

**<!-- Custom CSS -->**

**<link href="{% static 'administrator/css/startmin.css' %}" rel="stylesheet">**

**<!-- Custom Fonts -->**

**<link href="{% static 'administrator/css/font-awesome.min.css' %}" rel="stylesheet" type="text/css">**

**</head>**

**<body>**

**<div id="wrapper">**

**<!-- Navigation -->**

**<nav class="navbar navbar-inverse navbar-fixed-top" role="navigation">**

**<div class="navbar-header">**

**<a class="navbar-brand" href="/admin/">EasyKart</a>**

**</div>**

**<button type="button" class="navbar-toggle" data-toggle="collapse" data-target=".navbar-collapse">**

**<span class="sr-only">Toggle navigation</span>**

**<span class="icon-bar"></span>**

**<span class="icon-bar"></span>**

**<span class="icon-bar"></span>**

**</button>**

**<ul class="nav navbar-right navbar-top-links">**

**<li class="dropdown">**

**<!-- <a href=""><i class="fa fa-sign-out fa-fw"></i> Logout</a> -->**

**</li>**

**</ul>**

**<!-- /.navbar-top-links -->**

**<div class="navbar-default sidebar" role="navigation">**

**<div class="sidebar-nav navbar-collapse">**

**<ul class="nav" id="side-menu">**

**<li>**

**<a href="/admin/category/"><i class="fa fa-edit fa-fw"></i> Manage Categories</a>**

**</li>**

**<li>**

**<a href="/admin/brand/"><i class="fa fa-edit fa-fw"></i> Manage Brands</a>**

**</li>**

**<li>**

**<a href="/admin/product/"><i class="fa fa-edit fa-fw"></i> Manage Products</a>**

**</li>**

**</ul>**

**</div>**

**<!-- /.sidebar-collapse -->**

**</div>**

**<!-- /.navbar-static-side -->**

**</nav>**

**{% block content %}**

**{% endblock %}**

**<!-- jQuery -->**

**<script src="{% static 'administrator/js/jquery.min.js' %}"></script>**

**<!-- Bootstrap Core JavaScript -->**

**<script src="{% static 'administrator/js/bootstrap.min.js' %}"></script>**

**<!-- Metis Menu Plugin JavaScript -->**

**<script src="{% static 'administrator/js/metisMenu.min.js' %}"></script>**

**<!-- Custom Theme JavaScript -->**

**<script src="{% static 'administrator/js/startmin.js' %}"></script>**

**</body>**

**</html>**

**Categories.html (Templates -> Administrator App)**

**{% extends 'administrator/base.html' %}**

**{% block content %}**

**<div id="page-wrapper">**

**<div class="row">**

**<div class="col-lg-12">**

**<h1 class="page-header">Easy Kart</h1>**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**<div class="row">**

**<div class="col-lg-12">**

**<div class="panel panel-default">**

**<div class="panel-heading">**

**<a href="/admin/category/add/">Add New Category</a>**

**</div>**

**<!-- /.panel-heading -->**

**<div class="panel-body">**

**<div class="dataTable\_wrapper">**

**<table class="table table-striped table-bordered table-hover" id="dataTables-example">**

**<tr>**

**<td>Category Id</td>**

**<td>Parent Category</td>**

**<td>Name</td>**

**<td>Description</td>**

**<td>Command</td>**

**</tr>**

**{% for item in categories %}**

**<tr>**

**<td>{{ item.id }}</td>**

**<td>{{ item.parent }}</td>**

**<td>{{ item.name }}</td>**

**<td>{{ item.desc }}</td>**

**<td>**

**<a href="/admin/category/delete/{{ item.id }}"><i class="fa fa-fw" aria-hidden="true" title="Copy to use trash-o"></i></a> |**

**<a href="/admin/category/update/{{ item.id }}"><i class="fa fa-fw" aria-hidden="true" title="Copy to use edit"></i></a>**

**<a href="/admin/features/{{ item.id }}">Manage Features</a>**

**</td>**

**</tr>**

**{% endfor %}**

**</table>**

**</div>**

**</div>**

**<!-- /.panel-body -->**

**</div>**

**<!-- /.panel -->**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**</div>**

**<!-- /#page-wrapper -->**

**</div>**

**<!-- /#wrapper -->**

**{% endblock %}**

**Products.html (Templates -> Administrator App)**

**{% extends 'administrator/base.html' %}**

**{% block content %}**

**<div id="page-wrapper">**

**<div class="row">**

**<div class="col-lg-12">**

**<h1 class="page-header">Easy Kart</h1>**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**<div class="row">**

**<div class="col-lg-12">**

**<div class="panel panel-default">**

**<div class="panel-heading">**

**<a href="/admin/product/add/">Add New Product</a>**

**</div>**

**<!-- /.panel-heading -->**

**<div class="panel-body">**

**<div class="dataTable\_wrapper">**

**<table class="table table-striped table-bordered table-hover" id="dataTables-example">**

**<tr>**

**<td>Product Id</td>**

**<td>Brand</td>**

**<td>Category Id</td>**

**<td>Name</td>**

**<td>Price</td>**

**<td>Command</td>**

**</tr>**

**{% for item in products %}**

**<tr>**

**<td>{{ item.id }}</td>**

**<td>{{ item.brandid.name }}</td>**

**<td>{{ item.categoryid.name }}</td>**

**<td>{{ item.name }}</td>**

**<td>{{ item.price }}</td>**

**<td>**

**<a href="/admin/product/delete/{{ item.id }}"><i class="fa fa-fw" aria-hidden="true" title="Copy to use trash-o"></i></a> |**

**<a href="/admin/product/update/{{ item.id }}"><i class="fa fa-fw" aria-hidden="true" title="Copy to use edit"></i></a> |**

**<a href="/admin/product/image/{{ item.id }}">Manage Images</a>**

**</td>**

**</tr>**

**{% endfor %}**

**</table>**

**</div>**

**</div>**

**<!-- /.panel-body -->**

**</div>**

**<!-- /.panel -->**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**</div>**

**<!-- /#page-wrapper -->**

**</div>**

**<!-- /#wrapper -->**

**{% endblock %}**

**Brands.php (Template -> Administrator App)**

**{% extends 'administrator/base.html' %}**

**{% block content %}**

**<div id="page-wrapper">**

**<div class="row">**

**<div class="col-lg-12">**

**<h1 class="page-header">Easy Kart</h1>**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**<div class="row">**

**<div class="col-lg-12">**

**<div class="panel panel-default">**

**<div class="panel-heading">**

**<a href="/admin/brand/add/">Add New Brand</a>**

**</div>**

**<!-- /.panel-heading -->**

**<div class="panel-body">**

**<div class="dataTable\_wrapper">**

**<table class="table table-striped table-bordered table-hover" id="dataTables-example">**

**<thead>**

**<tr>**

**<td>Brand Id</td>**

**<td>Name</td>**

**<td>Logo</td>**

**<td>Description</td>**

**<td>Command</td>**

**</tr>**

**</thead>**

**<tbody>**

**{% for item in brands %}**

**<tr>**

**<td>{{ item.id }}</td>**

**<td>{{ item.name }}</td>**

**<td><img style="width: 30px;height: 30px;" src="/media/{{ item.logo }}"></td>**

**<td>{{ item.desc }}</td>**

**<td>**

**<a href="/admin/brand/delete/{{ item.id }}"><i class="fa fa-fw" aria-hidden="true" title="Copy to use trash-o"></i></a> |**

**<a href="/admin/brand/update/{{ item.id }}"><i class="fa fa-fw" aria-hidden="true" title="Copy to use edit"></i></a>**

**</td>**

**</tr>**

**{% endfor %}**

**</tbody>**

**</table>**

**</div>**

**</div>**

**<!-- /.panel-body -->**

**</div>**

**<!-- /.panel -->**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**</div>**

**<!-- /#page-wrapper -->**

**</div>**

**<!-- /#wrapper -->**

**{% endblock %}**

**Features (Template -> Administrator App)**

**{% extends 'administrator/base.html' %}**

**{% block content %}**

**<div id="page-wrapper">**

**<div class="row">**

**<div class="col-lg-12">**

**<h1 class="page-header">Easy Kart</h1>**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**<div class="row">**

**<div class="col-lg-12">**

**<div class="panel panel-default">**

**<div class="panel-heading">**

**<a href="/admin/features/add/{{ category.id}} ">Add New Feature</a>**

**</div>**

**<!-- /.panel-heading -->**

**<div class="panel-body">**

**<div class="dataTable\_wrapper">**

**<table class="table table-striped table-bordered table-hover" id="dataTables-example">**

**<tr>**

**<td>Feature Id</td>**

**<td>Category</td>**

**<td>Name</td>**

**<td>Command</td>**

**</tr>**

**{% for item in features %}**

**<tr>**

**<td>{{ item.id }}</td>**

**<td>{{ item.categoryid.name }}</td>**

**<td>{{ item.name }}</td>**

**<td>**

**<a href="/admin/features/delete/{{ item.id }}"><i class="fa fa-fw" aria-hidden="true" title="Copy to use trash-o"></i></a>**

**</td>**

**</tr>**

**{% endfor %}**

**</table>**

**</div>**

**</div>**

**<!-- /.panel-body -->**

**</div>**

**<!-- /.panel -->**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**</div>**

**<!-- /#page-wrapper -->**

**</div>**

**<!-- /#wrapper -->**

**{% endblock %}**

**ProductImages (Template -> Administrator App)**

**{% extends 'administrator/base.html' %}**

**{% block content %}**

**<div id="page-wrapper">**

**<div class="row">**

**<div class="col-lg-12">**

**<h1 class="page-header">Easy Kart</h1>**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**<div class="row">**

**<div class="col-lg-12">**

**<div class="panel panel-default">**

**<div class="panel-heading">**

**<a href="/admin/product/image/add/{{id}}">Add Images</a>**

**</div>**

**<!-- /.panel-heading -->**

**<div class="panel-body">**

**<div class="dataTable\_wrapper">**

**<table class="table table-striped table-bordered table-hover" id="dataTables-example">**

**<tr>**

**<td>Id</td>**

**<td>Image</td>**

**<td>Command</td>**

**</tr>**

**{% for item in images %}**

**<tr>**

**<td>{{ item.id }}</td>**

**<td><img src="/media/{{ item.image }}" style="height:100px;width:50px;"></td>**

**<td>**

**<a href="/admin/product/image/delete/{{ item.id }}"><i class="fa fa-fw" aria-hidden="true" title="Copy to use trash-o"></i></a>**

**</td>**

**</tr>**

**{% endfor %}**

**</table>**

**</div>**

**</div>**

**<!-- /.panel-body -->**

**</div>**

**<!-- /.panel -->**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**</div>**

**<!-- /#page-wrapper -->**

**</div>**

**<!-- /#wrapper -->**

**{% endblock %}**

**AddBrand (Template -> Administrator App)**

**{% extends 'administrator/base.html' %}**

**{% block content %}**

**<div id="page-wrapper">**

**<div class="row">**

**<div class="col-lg-12">**

**<h1 class="page-header">Easy Kart</h1>**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**<div class="row">**

**<div class="col-lg-12">**

**<div class="panel panel-default">**

**<div class="panel-heading">**

**Add New Brand**

**</div>**

**<div class="panel-body">**

**<div class="row">**

**<div class="col-lg-6">**

**<form role="form" method="post" enctype="multipart/form-data">**

**{% csrf\_token %}**

**<div class="form-group">**

**<label>Brand Name</label>**

**<input name="name" type="text" class="form-control" value="{{brand.name}}">**

**</div>**

**<img src="/media/{{brand.logo}}" style="height:100px;width:100px;">**

**<div class="form-group">**

**<label>Brand Logo</label>**

**<input type="file" name="logo">**

**</div>**

**<div class="form-group">**

**<label>Description</label>**

**<textarea name="desc" class="form-control">{{brand.desc}}**

**</textarea>**

**</div>**

**<button type="submit" class="btn btn-default">Save</button>**

**<button type="reset" class="btn btn-default">Reset</button>**

**</form>**

**</div>**

**<!-- /.col-lg-6 (nested) -->**

**</div>**

**<!-- /.row (nested) -->**

**</div>**

**<!-- /.panel-body -->**

**</div>**

**<!-- /.panel -->**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**</div>**

**<!-- /#page-wrapper -->**

**</div>**

**<!-- /#wrapper -->**

**{% endblock %}**

**AddCategory.html (Template -> Administrator App)**

**{% extends 'administrator/base.html' %}**

**{% block content %}**

**<div id="page-wrapper">**

**<div class="row">**

**<div class="col-lg-12">**

**<h1 class="page-header">Easy Kart</h1>**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**<div class="row">**

**<div class="col-lg-12">**

**<div class="panel panel-default">**

**<div class="panel-heading">**

**Add New Category**

**</div>**

**<div class="panel-body">**

**<div class="row">**

**<div class="col-lg-6">**

**<form role="form" method="post" enctype="multipart/form-data">**

**{% csrf\_token %}**

**<div class="form-group">**

**<label>Parent Category</label>**

**<select name="parentid" class="form-control">**

**<option value="0">None</option>**

**{% for cat in categories %}**

**{% if cat.id == category.parentid %}**

**<option selected="" value="{{ cat.id }}">{{ cat.name }}</option>**

**{% else %}**

**<option value="{{ cat.id }}">{{ cat.name }}</option>**

**{% endif %}**

**{% endfor %}**

**</select>**

**</div>**

**<div class="form-group">**

**<label>Category Name</label>**

**<input name="name" type="text" class="form-control" value="{{category.name}}">**

**</div>**

**<div class="form-group">**

**<label>Description</label>**

**<textarea name="desc" class="form-control">{{category.desc}}</textarea>**

**</div>**

**<button type="submit" class="btn btn-default">Save</button>**

**<button type="reset" class="btn btn-default">Reset</button>**

**</form>**

**</div>**

**<!-- /.col-lg-6 (nested) -->**

**</div>**

**<!-- /.row (nested) -->**

**</div>**

**<!-- /.panel-body -->**

**</div>**

**<!-- /.panel -->**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**</div>**

**<!-- /#page-wrapper -->**

**</div>**

**<!-- /#wrapper -->**

**{% endblock %}**

**AddFeature (Template -> Administrator App)**

**{% extends 'administrator/base.html' %}**

**{% block content %}**

**<div id="page-wrapper">**

**<div class="row">**

**<div class="col-lg-12">**

**<h1 class="page-header">Easy Kart</h1>**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**<div class="row">**

**<div class="col-lg-12">**

**<div class="panel panel-default">**

**<div class="panel-heading">**

**Add New Feature**

**</div>**

**<div class="panel-body">**

**<div class="row">**

**<div class="col-lg-6">**

**<form role="form" method="post" enctype="multipart/form-data">**

**{% csrf\_token %}**

**<div class="form-group">**

**<label>Feature Name</label>**

**<input name="name" type="text" class="form-control">**

**</div>**

**<button type="submit" class="btn btn-default">Save</button>**

**<button type="reset" class="btn btn-default">Reset</button>**

**</form>**

**</div>**

**<!-- /.col-lg-6 (nested) -->**

**</div>**

**<!-- /.row (nested) -->**

**</div>**

**<!-- /.panel-body -->**

**</div>**

**<!-- /.panel -->**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**</div>**

**<!-- /#page-wrapper -->**

**</div>**

**<!-- /#wrapper -->**

**{% endblock %}**

**AddProduct.html (Template -> Administrator App)**

**{% extends 'administrator/base.html' %}**

**{% block content %}**

**<div id="page-wrapper">**

**<div class="row">**

**<div class="col-lg-12">**

**<h1 class="page-header">Easy Kart</h1>**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**<div class="row">**

**<div class="col-lg-12">**

**<div class="panel panel-default">**

**<div class="panel-heading">**

**Add New Product**

**</div>**

**<div class="panel-body">**

**<div class="row">**

**<div class="col-lg-6">**

**<form role="form" method="post" enctype="multipart/form-data">**

**{% csrf\_token %}**

**<div class="form-group">**

**<label>Category</label>**

**<select id="category" name="categoryid" class="form-control" onchange="LoadFeatures(this.value);">**

**<option value="0">None</option>**

**{% for cat in categories %}**

**{% if cat == product.categoryid %}**

**<option selected="" value="{{ cat.id }}">{{ cat.name }}</option>**

**{% else %}**

**<option value="{{ cat.id }}">{{ cat.name }}</option>**

**{% endif %}**

**{% endfor %}**

**</select>**

**</div>**

**<div class="form-group">**

**<label>Brand</label>**

**<select name="brandid" class="form-control">**

**<option value="0">None</option>**

**{% for br in brands %}**

**{% if br == product.brandid %}**

**<option selected="" value="{{ br.id }}">{{ br.name }}</option>**

**{% else %}**

**<option value="{{ br.id }}">{{ br.name }}</option>**

**{% endif %}**

**{% endfor %}**

**</select>**

**</div>**

**<div class="form-group">**

**<label>Name</label>**

**<input name="name" type="text" class="form-control" value="{{product.name}}">**

**</div>**

**<div class="form-group">**

**<label>Price</label>**

**<input name="price" type="text" class="form-control" value="{{product.price}}">**

**</div>**

**<div id="features">**

**</div>**

**<button type="submit" class="btn btn-default">Save</button>**

**<button type="reset" class="btn btn-default">Reset</button>**

**</form>**

**</div>**

**<!-- /.col-lg-6 (nested) -->**

**</div>**

**<!-- /.row (nested) -->**

**</div>**

**<!-- /.panel-body -->**

**</div>**

**<!-- /.panel -->**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**</div>**

**<!-- /#page-wrapper -->**

**</div>**

**<!-- /#wrapper -->**

**<script>**

**onload=function()**

**{**

**//If Updating Product**

**if(location.href.match('update'))**

**{**

**LoadFeaturesWithValues();**

**}**

**}**

**function LoadFeaturesWithValues()**

**{**

**features\_module=document.getElementById('features');**

**features\_module.innerHTML="";**

**xhr=new XMLHttpRequest();**

**xhr.open("GET","/admin/features/getvalues/{{product.id}}");**

**xhr.send();**

**xhr.onreadystatechange=function()**

**{**

**if(xhr.readyState==4)**

**{**

**responseJSON=JSON.parse(xhr.responseText);**

**features=responseJSON.features;**

**if(features.length==0)**

**{**

**category=document.getElementById('category').value;**

**LoadFeatures(category);**

**}**

**else**

**{**

**for(i=0;i<features.length;i++)**

**{**

**div=document.createElement('div');**

**div.setAttribute('class','form-group');**

**label=document.createElement('label');**

**label.innerHTML=features[i].name;**

**input=document.createElement('input');**

**input.value=features[i].value;**

**input.setAttribute('type','text');**

**input.setAttribute('class','form-control');**

**input.setAttribute('name','features['+features[i].featureid+']');**

**div.appendChild(label);**

**div.appendChild(input);**

**features\_module.appendChild(div);**

**}**

**}**

**}**

**}**

**}**

**function LoadFeatures(value)**

**{**

**features\_module=document.getElementById('features');**

**features\_module.innerHTML="";**

**if(value==0)**

**{**

**return;**

**}**

**xhr=new XMLHttpRequest();**

**xhr.open("GET","/admin/features/get/"+value);**

**xhr.send();**

**xhr.onreadystatechange=function()**

**{**

**if(xhr.readyState==4)**

**{**

**responseJSON=JSON.parse(xhr.responseText);**

**features=responseJSON.features;**

**features=JSON.parse(features);**

**for(i=0;i<features.length;i++)**

**{**

**div=document.createElement('div');**

**div.setAttribute('class','form-group');**

**label=document.createElement('label');**

**label.innerHTML=features[i].fields.name;**

**input=document.createElement('input');**

**input.setAttribute('type','text');**

**input.setAttribute('class','form-control');**

**input.setAttribute('name','features['+features[i].pk+']');**

**div.appendChild(label);**

**div.appendChild(input);**

**features\_module.appendChild(div);**

**}**

**}**

**}**

**}**

**</script>**

**{% endblock %}**

**AddProductImage.html (Template -> Administrator App)**

**{% extends 'administrator/base.html' %}**

**{% block content %}**

**<div id="page-wrapper">**

**<div class="row">**

**<div class="col-lg-12">**

**<h1 class="page-header">Easy Kart</h1>**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**<div class="row">**

**<div class="col-lg-12">**

**<div class="panel panel-default">**

**<div class="panel-heading">**

**Add Images**

**</div>**

**<div class="panel-body">**

**<div class="row">**

**<div class="col-lg-6">**

**<form role="form" method="post" enctype="multipart/form-data">**

**{% csrf\_token %}**

**<div class="form-group">**

**<label>Product Images</label>**

**<input name="image" type="file" name="logo" multiple>**

**</div>**

**<button type="submit" class="btn btn-default">Save</button>**

**<button type="reset" class="btn btn-default">Reset</button>**

**</form>**

**</div>**

**<!-- /.col-lg-6 (nested) -->**

**</div>**

**<!-- /.row (nested) -->**

**</div>**

**<!-- /.panel-body -->**

**</div>**

**<!-- /.panel -->**

**</div>**

**<!-- /.col-lg-12 -->**

**</div>**

**<!-- /.row -->**

**</div>**

**<!-- /#page-wrapper -->**

**</div>**

**<!-- /#wrapper -->**

**{% endblock %}**

**Views.py (Main App)**

**from django.shortcuts import render,redirect**

**from django.utils.crypto import get\_random\_string**

**import datetime**

**from administrator.models import \***

**from django.http import HttpResponse**

**import json**

**def Register(request):**

**if(request.method=='GET'):**

**return render(request,'main/register.html',None)**

**else:**

**login=Login()**

**login.email=request.POST.get('email')**

**login.password=request.POST.get('password')**

**login.isactive=True**

**login.save()**

**customer=Customer()**

**customer.loginid=login**

**customer.name=request.POST.get('name')**

**customer.gender=request.POST.get('gender')**

**customer.phone=request.POST.get('phone')**

**customer.save()**

**address=ShippingAddress()**

**address.loginid=login**

**address.title=request.POST.get('title')**

**address.hno=request.POST.get('hno')**

**address.area=request.POST.get('area')**

**address.city=request.POST.get('city')**

**address.pin=request.POST.get('pin')**

**address.landmark=request.POST.get('landmark')**

**return redirect('/')**

**def Home(request):**

**products=Product.objects.filter()**

**categories=Category.objects.filter(parentid=0)**

**productlist=[]**

**for product in products:**

**image=ProductImage.objects.filter(productid=product.id)**

**if image.\_\_len\_\_()!=0:**

**image=image[0].image**

**else:**

**image=""**

**product.image=image**

**productlist.append(product)**

**categorylist=[]**

**for category in categories:**

**name=category.name**

**subcategories=Category.objects.filter(parentid=category.id)**

**for subcategory in subcategories:**

**subcategory.numproducts=len(Product.objects.filter(categoryid=subcategory))**

**categorylist.append({"name":name,"subcategories":subcategories})**

**data={}**

**data['products']=productlist**

**data['categories']=categorylist**

**xtoken=request.COOKIES.get('xtoken')**

**if(xtoken):**

**try:**

**activeLogin=ActiveLogin.objects.get(xtoken=xtoken)**

**profile=Customer.objects.get(loginid=activeLogin.loginid)**

**data['profile']=profile**

**except:**

**pass**

**return render(request,"main/home.html",data)**

**def ProductDetails(request,id):**

**product=Product.objects.get(id=id)**

**images=ProductImage.objects.filter(productid=product.id)**

**product.images=[]**

**for image in images:**

**product.images.append(image.image)**

**categories=Category.objects.filter(parentid=0)**

**categorylist=[]**

**for category in categories:**

**name=category.name**

**subcategories=Category.objects.filter(parentid=category.id)**

**for subcategory in subcategories:**

**subcategory.numproducts=len(Product.objects.filter(categoryid=subcategory))**

**categorylist.append({"name":name,"subcategories":subcategories})**

**featurevalues=FeatureValue.objects.filter(productid=product)**

**highlights=[]**

**if(product.categoryid.name=='Smart Phones'):**

**for features in featurevalues:**

**if(features.featureid.name=='Primary Camera'):**

**highlights.append(features.value + " Primary Camera")**

**if(features.featureid.name=='RAM'):**

**highlights.append(features.value)**

**if(features.featureid.name=='Color'):**

**highlights.append(features.value + " Color")**

**data={}**

**xtoken=request.COOKIES.get('xtoken')**

**if(xtoken):**

**try:**

**activeLogin=ActiveLogin.objects.get(xtoken=xtoken)**

**profile=Customer.objects.get(loginid=activeLogin.loginid)**

**data['profile']=profile**

**except:**

**pass**

**data['categories']=categorylist**

**data['product']=product**

**data['features']=featurevalues**

**data['highlights']=highlights**

**return render(request,'main/productdetails.html',data)**

**def CartList(request):**

**xtoken=request.COOKIES.get('xtoken')**

**if(xtoken):**

**categories=Category.objects.filter(parentid=0)**

**categorylist=[]**

**for category in categories:**

**name=category.name**

**subcategories=Category.objects.filter(parentid=category.id)**

**categorylist.append({"name":name,"subcategories":subcategories})**

**data={}**

**data['categories']=categorylist**

**activeLogin=ActiveLogin.objects.get(xtoken=xtoken)**

**profile=Customer.objects.get(loginid=activeLogin.loginid)**

**data['profile']=profile**

**cart=Cart.objects.filter(loginid=activeLogin.loginid)**

**grandtotal=0**

**for i in range(len(cart)):**

**cart[i].productid.tax=round(float(cart[i].productid.price)\*.18,1)**

**cart[i].productid.total=round(cart[i].productid.price,1)**

**cart[i].productid.price=round(float(cart[i].productid.price)\*.82,1)**

**cart[i].productid.image=ProductImage.objects.filter(productid=cart[i].productid).first().image**

**grandtotal=grandtotal+cart[i].productid.total**

**data['cart']=cart**

**data['grandtotal']=grandtotal**

**return render(request,'main/cart.html',data)**

**else:**

**return redirect('/')**

**def AddCart(request,id):**

**xtoken=request.COOKIES.get('xtoken')**

**if(xtoken):**

**try:**

**activeLogin=ActiveLogin.objects.get(xtoken=xtoken)**

**if(id!="0"):**

**product=Product.objects.get(id=id)**

**if(Cart.objects.filter(productid=product,loginid=activeLogin.loginid).exists()):**

**response='Duplicate Record'**

**else:**

**cart=Cart()**

**cart.loginid=activeLogin.loginid**

**cart.productid=product**

**cart.save()**

**response='Item Added'**

**else:**

**response='No Item Added'**

**cart=Cart.objects.filter(loginid=activeLogin.loginid)**

**response\_data={'response':response,'cartitems':len(cart)}**

**return HttpResponse(json.dumps(response\_data), content\_type="application/json")**

**except:**

**return HttpResponse('error')**

**else:**

**response\_data={'response':'User Not Logged In','cartitems':-1}**

**return HttpResponse(json.dumps(response\_data), content\_type="application/json")**

**def DeleteCart(request,id):**

**cart=Cart.objects.filter(id=id)**

**cart.delete()**

**return redirect('/cart/')**

**def Users(request):**

**logins=Login.objects.values\_list()**

**return HttpResponse(logins)**

**def LoginVerify(request):**

**if(request.method=="GET"):**

**return render(request,'main/login.html',None)**

**else:**

**email=request.POST.get('email')**

**password=request.POST.get('password')**

**login=Login.objects.filter(email=email,password=password).first()**

**if(login):**

**xtoken = get\_random\_string(length=32)**

**activeLogin=ActiveLogin()**

**activeLogin.loginid=login**

**activeLogin.xtoken=xtoken**

**activeLogin.datetime=datetime.datetime.now().strftime('%Y-%m-%d %H:%M:%S')**

**activeLogin.save()**

**response=redirect('/')**

**response.set\_cookie('xtoken',xtoken,max\_age=60\*24\*365)**

**return response**

**else:**

**return HttpResponse('Login Failed')**

**def Logout(request):**

**xtoken=request.COOKIES.get('xtoken')**

**if(xtoken):**

**activeLogin=ActiveLogin.objects.get(xtoken=xtoken)**

**activeLogin.delete()**

**response=redirect('/')**

**response.delete\_cookie('xtoken')**

**return response**

**else:**

**return redirect('/')**

**def CategoryWiseProducts(request,id):**

**curcategory=Category.objects.get(id=id)**

**products=Product.objects.filter(categoryid=curcategory)**

**categories=Category.objects.filter(parentid=0)**

**productlist=[]**

**for product in products:**

**image=ProductImage.objects.filter(productid=product.id)**

**if image.\_\_len\_\_()!=0:**

**image=image[0].image**

**else:**

**image=""**

**product.image=image**

**productlist.append(product)**

**categorylist=[]**

**for category in categories:**

**name=category.name**

**subcategories=Category.objects.filter(parentid=category.id)**

**for subcategory in subcategories:**

**subcategory.numproducts=len(Product.objects.filter(categoryid=subcategory))**

**categorylist.append({"name":name,"subcategories":subcategories})**

**data={}**

**data['products']=productlist**

**data['categories']=categorylist**

**data['curcategory']=curcategory**

**xtoken=request.COOKIES.get('xtoken')**

**if(xtoken):**

**try:**

**activeLogin=ActiveLogin.objects.get(xtoken=xtoken)**

**profile=Customer.objects.get(loginid=activeLogin.loginid)**

**data['profile']=profile**

**except:**

**pass**

**return render(request,"main/categorywiseproducts.html",data)**

**Base.html (Template -> Main App)**

**{% load static %}**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title></title>**

**<meta name="viewport" content="width=device-width, initial-scale=1.0">**

**<link rel="stylesheet" href="{% static 'main/css/bootstrap.min.css' %}"/>**

**<link href="{% static 'main/css/base.css' %}" rel="stylesheet" />**

**<link href="{% static 'main/css/bootstrap-responsive.min.css' %} rel="stylesheet"/>**

**<link href="{% static 'main/css/font-awesome.css' %}" rel="stylesheet" type="text/css">**

**<link href="{% static 'main/js/google-code-prettify/prettify.css' %}" rel="stylesheet"/>**

**</head>**

**<body>**

**<div id="header">**

**<div class="container">**

**<div id="welcomeLine" class="row">**

**<div class="span6">Welcome!<strong>{% if not profile %} User {% else %} {{ profile.name }} {% endif %}</strong></div>**

**<div class="span6">**

**<div class="pull-right">**

**{% if not profile %}**

**<a href="/register/"><span class="btn btn-success">Not a user Register Here</span> </a> |**

**<a href="#login" role="button" data-toggle="modal" style="padding-right:0"><span class="btn btn-success">Login</span></a>**

**{% else %}**

**<a href="/user/profile">Manage Profile</a> |**

**<a href="/orders/">My Orders</a> |**

**<a href="/logout/" role="button" style="padding-right:0"><span class="btn btn-success">Logout</span></a>**

**{% endif %}**

**<div id="login" class="modal hide fade in" tabindex="-1" role="dialog" aria-labelledby="login" aria-hidden="false" >**

**<div class="modal-header">**

**<button type="button" class="close" data-dismiss="modal" aria-hidden="true">X</button>**

**<h3>Login</h3>**

**</div>**

**<div class="modal-body">**

**<form action="/login/" class="form-horizontal loginFrm" method="post">**

**{% csrf\_token %}**

**<div class="control-group">**

**<input type="text" id="inputEmail" placeholder="Email" name="email">**

**</div>**

**<div class="control-group">**

**<input type="password" id="inputPassword" placeholder="Password" name="password">**

**</div>**

**<div class="control-group">**

**<button type="submit" class="btn btn-success">Sign in</button>**

**<button class="btn" data-dismiss="modal" aria-hidden="true">Close</button>**

**</div> </form>**

**</div>**

**</div>**

**</div>**

**</div>**

**</div>**

**<!-- Navbar ================================================== -->**

**<div id="logoArea" class="navbar">**

**<a id="smallScreen" data-target="#topMenu" data-toggle="collapse" class="btn btn-navbar">**

**<span class="icon-bar"></span>**

**<span class="icon-bar"></span>**

**<span class="icon-bar"></span>**

**</a>**

**<div class="navbar-inner">**

**<a class="brand" href="/"><img src="{% static 'main/images/logo.png' %}" alt="Bootsshop"/ style="width:100px;height:60px;"></a>**

**<form class="form-inline navbar-search" method="post" action="products.html" >**

**<input id="srchFld" class="srchTxt" type="text" />**

**<select class="srchTxt">**

**<option>All</option>**

**<option>CLOTHES </option>**

**<option>FOOD AND BEVERAGES </option>**

**<option>HEALTH & BEAUTY </option>**

**<option>SPORTS & LEISURE </option>**

**<option>BOOKS & ENTERTAINMENTS </option>**

**</select>**

**<button type="submit" id="submitButton" class="btn btn-primary">Go</button>**

**</form>**

**<ul id="topMenu" class="nav pull-right">**

**<li class="">**

**{% if profile %}**

**<a href="/cart/"><span class="btn btn-mini btn-primary"><i class="icon-shopping-cart icon-white"></i> [ <span id="cartItemMenu">0</span> ] Itemes in your cart </span> </a>**

**{% endif %}**

**</li>**

**</ul>**

**</div>**

**</div>**

**</div>**

**</div>**

**<!-- Header End====================================================================== -->**

**{% block content %}**

**{% endblock %}**

**<!-- Footer ================================================================== -->**

**<div id="footerSection">**

**<div class="container">**

**<p class="">&copy; Easykart. All rights reserved**

**<br>**

**Designed and Developed by Parul Kataria (Roll No : 152159)**

**</p>**

**</div><!-- Container End -->**

**</div>**

**<script src="{% static 'main/js/jquery.js' %}" type="text/javascript"></script>**

**<script src="{% static 'main/js/bootstrap.min.js' %}" type="text/javascript"></script>**

**<script src="{% static 'main/js/google-code-prettify/prettify.js' %}"></script>**

**<script src="{% static 'main/js/main.js' %}"></script>**

**<script src="{% static 'main/js/jquery.lightbox-0.5.js' %}"></script>**

**</body>**

**</html>**

**Register.html (Template -> Main App)**

**{% extends 'main/base.html' %}**

**{% block content %}**

**{% load static %}**

**<div id="mainBody">**

**<div class="container">**

**<div class="row">**

**<div class="span12">**

**<ul class="breadcrumb">**

**<li><a href="index.html">Home</a> <span class="divider">/</span></li>**

**<li class="active">Registration</li>**

**</ul>**

**<h3> Registration</h3>**

**<div class="well">**

**<!--**

**<div class="alert alert-info fade in">**

**<button type="button" class="close" data-dismiss="alert">×</button>**

**<strong>Lorem Ipsum is simply dummy</strong> text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s**

**</div>**

**<div class="alert fade in">**

**<button type="button" class="close" data-dismiss="alert">×</button>**

**<strong>Lorem Ipsum is simply dummy</strong> text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s**

**</div>**

**<div class="alert alert-block alert-error fade in">**

**<button type="button" class="close" data-dismiss="alert">×</button>**

**<strong>Lorem Ipsum is simply</strong> dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s**

**</div> -->**

**<form class="form-horizontal" method="POST">**

**{% csrf\_token %}**

**<h4>Your personal information</h4>**

**<div class="control-group">**

**<label class="control-label" for="inputName">Name <sup>\*</sup></label>**

**<div class="controls">**

**<input type="text" id="inputName" name="name" placeholder="Name">**

**</div>**

**</div>**

**<div class="control-group">**

**<label class="control-label" for="inputGender">Gender <sup>\*</sup></label>**

**<div class="controls">**

**<label class="radio" style="color:gray">**

**<input type="radio" id="inputMale" name="gender" value="Male"> Male**

**</label>**

**<label class="radio" style="color:gray">**

**<input type="radio" id="inputFemale" name="gender" value="Female"> Female**

**</label>**

**</div>**

**</div>**

**<div class="control-group">**

**<label class="control-label" for="inputEmail">Email <sup>\*</sup></label>**

**<div class="controls">**

**<input type="text" id="inputEmail" name="email" placeholder="Email">**

**</div>**

**</div>**

**<div class="control-group">**

**<label class="control-label" for="inputPassword">Password <sup>\*</sup></label>**

**<div class="controls">**

**<input type="password" id="inputPassword" name="password" placeholder="Password">**

**</div>**

**</div>**

**<h4>Your address</h4>**

**<div class="control-group">**

**<label class="control-label" for="inputTitle">Title <sup>\*</sup></label>**

**<div class="controls">**

**<input type="text" id="inputTitle" name="title" placeholder="Title">**

**</div>**

**</div>**

**<div class="control-group">**

**<label class="control-label" for="inputHNo">House Number <sup>\*</sup></label>**

**<div class="controls">**

**<input type="text" id="inputHNo" name="hno" placeholder="House Number"/>**

**</div>**

**</div>**

**<div class="control-group">**

**<label class="control-label" for="inputArea">Area</label>**

**<div class="controls">**

**<input type="text" id="inputArea" name="area" placeholder="Area"/>**

**</div>**

**</div>**

**<div class="control-group">**

**<label class="control-label" for="inputCity">City<sup>\*</sup></label>**

**<div class="controls">**

**<input type="text" id="inputCity" name="city" placeholder="city"/>**

**</div>**

**</div>**

**<div class="control-group">**

**<label class="control-label" for="inputPinCode">Pin Code<sup>\*</sup></label>**

**<div class="controls">**

**<input type="text" id="inputPinCode" name="pin" placeholder="Pin Code"/>**

**</div>**

**</div>**

**<div class="control-group">**

**<label class="control-label" for="inputLandmark">Landmark</label>**

**<div class="controls">**

**<textarea name="landmark" id="inputLandmark" cols="26" rows="3" style="color:gray">Landmark</textarea>**

**</div>**

**</div>**

**<div class="control-group">**

**<label class="control-label" for="inputPhone">Phone Number<sup>\*</sup></label>**

**<div class="controls">**

**<input type="text" name="phone" id="inputPhone" placeholder="phone"/>**

**</div>**

**</div>**

**<p><sup>\*</sup>Required field </p>**

**<div class="control-group">**

**<div class="controls">**

**<input type="hidden" name="email\_create" value="1">**

**<input type="hidden" name="is\_new\_customer" value="1">**

**<input class="btn btn-large btn-success" type="submit" value="Register" />**

**</div>**

**</div>**

**</form>**

**</div>**

**</div>**

**</div>**

**</div>**

**</div>**

**<!-- MainBody End ============================= -->**

**{% endblock %}**

**Login.html (Template -> Main App)**

**{% extends 'main/base.html' %}**

**{% block content %}**

**{% load static %}**

**<div id="mainBody">**

**<div class="container">**

**<div class="row" style="margin-top: 50px;margin-bottom: 100px;">**

**<div class="span12">**

**<ul class="breadcrumb">**

**<li><a href="/">Home</a> <span class="divider">/</span></li>**

**<li class="active">Login</li>**

**</ul>**

**<h3> Login</h3>**

**<div class="well">**

**<form class="form-horizontal" method="post">**

**{% csrf\_token %}**

**<div class="control-group">**

**<label class="control-label" for="inputUsername">Email</label>**

**<div class="controls">**

**<input type="text" id="inputUsername" placeholder="Email" name="email">**

**</div>**

**</div>**

**<div class="control-group">**

**<label class="control-label" for="inputPassword1">Password</label>**

**<div class="controls">**

**<input type="password" id="inputPassword1" placeholder="Password" name="password">**

**</div>**

**</div>**

**<div class="control-group">**

**<div class="controls">**

**<button type="submit" class="btn">Sign in</button> OR <a href="/register/" class="btn">Register Now!</a>**

**</div>**

**</div>**

**<div class="control-group">**

**<div class="controls">**

**<a href="forgetpass.html" style="text-decoration:underline">Forgot password ?</a>**

**</div>**

**</div>**

**</form>**

**</div>**

**</div></div>**

**</div>**

**<!-- MainBody End ============================= -->**

**{% endblock %}**

**Home.html (Template -> Main App)**

**{% extends 'main/base.html' %}**

**{% block content %}**

**{% load static %}**

**<div id="carouselBlk">**

**<div id="myCarousel" class="carousel slide">**

**<div class="carousel-inner">**

**<div class="item active">**

**<div class="container">**

**<a href="/register/"><img src="{% static 'main/images/carousel/main\_banner\_1.jpg' %}" alt="special offers"/></a>**

**<div class="carousel-caption">**

**<h4></h4>**

**<p></p>**

**</div>**

**</div>**

**</div>**

**<div class="item">**

**<div class="container">**

**<a href="/register"><img src="{% static 'main/images/carousel/main\_banner\_2.jpg' %}" alt=""/></a>**

**<div class="carousel-caption">**

**<h4></h4>**

**<p></p>**

**</div>**

**</div>**

**</div>**

**</div>**

**<a class="left carousel-control" href="#myCarousel" data-slide="prev">&lsaquo;</a>**

**<a class="right carousel-control" href="#myCarousel" data-slide="next">&rsaquo;</a>**

**</div>**

**</div>**

**<div id="mainBody">**

**<div class="container">**

**<div class="row">**

**<!-- Sidebar ================================================== -->**

**<div id="sidebar" class="span3">**

**{% if profile %}**

**<div class="well well-small">**

**<a id="myCart" href="/cart/"><img src="{% static 'main/images/ico-cart.png' %}" alt="cart"><span id="cartItems">0</span> Items in your cart</a>**

**</div>**

**{% endif %}**

**<ul id="sideManu" class="nav nav-tabs nav-stacked">**

**{% for category in categories %}**

**<li class="subMenu open"><a>{{ category.name }}</a>**

**<ul>**

**{% for subcategory in category.subcategories %}**

**<li>**

**<a class="active" href="/category/{{ subcategory.id }}"><i class="icon-chevron-right"></i>{{ subcategory.name }} ({{ subcategory.numproducts }}) </a>**

**</li>**

**{% endfor %}**

**</ul>**

**</li>**

**{% endfor %}**

**</ul>**

**<br/>**

**<!--**

**<div class="thumbnail">**

**<img src="{% static 'main/images/products/panasonic.jpg' %}" alt="Bootshop panasonoc New camera"/>**

**<div class="caption">**

**<h5>Panasonic</h5>**

**<h4 style="text-align:center"><a class="btn" href="product\_details.html"> <i class="icon-zoom-in"></i></a> <a class="btn" href="#"><i class="icon-shopping-cart"></i></a> <a class="btn btn-primary" href="#">$222.00</a></h4>**

**</div>**

**</div>**

**<br/>**

**<div class="thumbnail">**

**<img src="{% static 'main/images/products/kindle.png' %}" title="Bootshop New Kindel" alt="Bootshop Kindel">**

**<div class="caption">**

**<h5>Kindle</h5>**

**<h4 style="text-align:center"><a class="btn" href="product\_details.html"> <i class="icon-zoom-in"></i></a> <a class="btn" href="#"><i class="icon-shopping-cart"></i></a> <a class="btn btn-primary" href="#">$222.00</a></h4>**

**</div>**

**</div>**

**<br/>**

**<div class="thumbnail">**

**<img src="{% static 'main/images/payment\_methods.png' %}" title="Bootshop Payment Methods" alt="Payments Methods">**

**<div class="caption">**

**<h5>Payment Methods</h5>**

**</div>**

**</div>**

**-->**

**</div>**

**<!-- Sidebar end=============================================== -->**

**<div class="span9">**

**<ul class="breadcrumb">**

**<li><a href="/">Home</a> <span class="divider">/</span></li>**

**<li class="active">Products Name</li>**

**</ul>**

**<!--**

**<form class="form-horizontal span6">**

**<div class="control-group">**

**<label class="control-label alignL">Sort By </label>**

**<select>**

**<option>Priduct name A - Z</option>**

**<option>Priduct name Z - A</option>**

**<option>Priduct Stoke</option>**

**<option>Price Lowest first</option>**

**</select>**

**</div>**

**</form>**

**-->**

**<!--**

**<div id="myTab" class="pull-right">**

**<a href="#listView" data-toggle="tab"><span class="btn btn-large"><i class="icon-list"></i></span></a>**

**<a href="#blockView" data-toggle="tab"><span class="btn btn-large btn-primary"><i class="icon-th-large"></i></span></a>**

**</div>**

**-->**

**<br class="clr"/>**

**<div class="tab-content">**

**<div class="tab-pane" id="listView">**

**{% for item in products %}**

**<div class="row">**

**<div class="span2">**

**<img src="/media/{{ item.image }}" alt=""/>**

**</div>**

**<div class="span4">**

**<h3>New | Available</h3>**

**<hr class="soft"/>**

**<h5>{{ item.name }}</h5>**

**<p>**

**{{item.name}}**

**</p>**

**<a class="btn btn-small pull-right" href="product\_details.html">View Details</a>**

**<br class="clr"/>**

**</div>**

**<div class="span3 alignR">**

**<form class="form-horizontal qtyFrm">**

**<h3>&#8377; {{ item.price }}</h3>**

**<label class="checkbox">**

**<input type="checkbox"> Adds product to compair**

**</label><br/>**

**<a href="product\_details.html" class="btn btn-large btn-primary"> <i class=" icon-shopping-cart"></i></a>**

**<a href="product\_details.html" class="btn btn-large"><i class="icon-zoom-in"></i></a>**

**</form>**

**</div>**

**</div>**

**<hr class="soft"/>**

**{% endfor %}**

**</div>**

**<div class="tab-pane active" id="blockView">**

**<ul class="thumbnails">**

**{% for item in products %}**

**<li class="span3">**

**<div class="thumbnail">**

**<a href="/productdetails/{{item.id}}"><img src="/media/{{ item.image }}" style="height:280px;width:140px" alt=""/></a>**

**<div class="caption">**

**<h5>{{ item.name }}</h5>**

**<p>**

**{{ item.brandid.name }}**

**</p>**

**<h5 style="text-align:center"><!--<a class="btn" href="product\_details.html"> <i class="icon-zoom-in"></i></a>--><span class="btn"><i class="icon-shopping-cart" onclick="AddCart({{item.id}});"></i></span> <a class="btn btn-primary" href="#">&#8377; {{ item.price }}</a></h5>**

**</div>**

**</div>**

**</li>**

**{% endfor %}**

**</ul>**

**<hr class="soft"/>**

**</div>**

**</div>**

**<!--**

**<div class="pagination" style="margin:0px auto;width:280px;">**

**<ul>**

**<li><a href="#">&lsaquo;</a></li>**

**<li><a href="#">1</a></li>**

**<li><a href="#">2</a></li>**

**<li><a href="#">3</a></li>**

**<li><a href="#">4</a></li>**

**<li><a href="#">...</a></li>**

**<li><a href="#">&rsaquo;</a></li>**

**</ul>**

**</div>**

**-->**

**<br class="clr"/>**

**</div>**

**</div>**

**</div>**

**</div>**

**<!-- MainBody End ============================= -->**

**<script>**

**function AddCart(productid)**

**{**

**xhr=new XMLHttpRequest();**

**xhr.open('GET','/cart/add/'+productid);**

**xhr.send();**

**xhr.onreadystatechange=function()**

**{**

**if(xhr.readyState==4)**

**{**

**response\_data=JSON.parse(xhr.responseText);**

**if(response\_data.response=="User Not Logged In" && productid!=0)**

**{**

**$("#login").modal();**

**}**

**else if(response\_data.response=='Duplicate Record')**

**{**

**alert('Item Already Exist in Your Cart');**

**}**

**else**

**{**

**document.getElementById('cartItems').innerHTML=response\_data['cartitems'];**

**document.getElementById('cartItemMenu').innerHTML=response\_data['cartitems'];**

**}**

**}**

**}**

**}**

**onload=function()**

**{**

**AddCart(0);**

**}**

**</script>**

**{% endblock %}**

**ProductDetails.html (Template -> Main App)**

**{% extends 'main/base.html' %}**

**{% block content %}**

**{% load static %}**

**<div id="mainBody">**

**<div class="container">**

**<div class="row">**

**<!-- Sidebar ================================================== -->**

**<div id="sidebar" class="span3">**

**{% if profile %}**

**<div class="well well-small">**

**<a id="myCart" href="/cart/"><img src="{% static 'main/images/ico-cart.png' %}" alt="cart"><span id="cartItems">0</span> Items in your cart</a>**

**</div>**

**{% endif %}**

**<ul id="sideManu" class="nav nav-tabs nav-stacked">**

**{% for category in categories %}**

**<li class="subMenu open"><a>{{ category.name }}</a>**

**<ul>**

**{% for subcategory in category.subcategories %}**

**<li>**

**<a class="active" href="/category/{{subcategory.id}}"><i class="icon-chevron-right"></i>{{ subcategory.name }} ({{ subcategory.numproducts }})</a>**

**</li>**

**{% endfor %}**

**</ul>**

**</li>**

**{% endfor %}**

**</ul>**

**<br/>**

**</div>**

**<!-- Sidebar end=============================================== -->**

**<div class="span9">**

**<ul class="breadcrumb">**

**<li><a href="index.php">Home</a> <span class="divider">/</span></li>**

**<li><a href="products.php">{{product.categoryid.name}}</a> <span class="divider">/</span></li>**

**<li class="active">{{product.name}}</li>**

**</ul>**

**<div class="row">**

**<div id="gallery" class="span3" style="text-align: center;">**

**<a href="/media/{{product.image}}" title="Fujifilm FinePix S2950 Digital Camera">**

**<img src="/media/{{product.images.0}}" style="height:240px;" alt="Fujifilm FinePix S2950 Digital Camera"/>**

**</a>**

**<div id="differentview" class="moreOptopm carousel slide">**

**<div class="carousel-inner">**

**<div class="item active">**

**{% for image in product.images %}**

**<a href="/media/{{image}}"> <img style="height:80px;" src="/media/{{image}}" alt=""/></a>**

**{% endfor %}**

**</div>**

**<div class="item">**

**{% for image in product.images %}**

**<a href="/media/{{image}}"> <img style="height:80px;" src="/media/{{image}}" alt=""/></a>**

**{% endfor %}**

**</div>**

**</div>**

**<a class="left carousel-control" href="#myCarousel" data-slide="prev">‹</a>**

**<a class="right carousel-control" href="#myCarousel" data-slide="next">›</a>**

**</div>**

**</div>**

**<div class="span6">**

**<h3>{{product.name}},**

**{% for highlight in highlights %}**

**{{ highlight }},**

**{% endfor %}**

**</h3>**

**<hr class="soft"/>**

**₹ {{product.price}}**

**<button type="button" class="btn btn-large btn-primary" style="margin-left:240px;" onclick="AddCart({{product.id}})"> Add to cart <i class=" icon-shopping-cart"></i></button>**

**<hr class="soft"/>**

**<h4>In Stock</h4>**

**<hr class="soft"/>**

**</div>**

**<div class="span9">**

**<div id="myTabContent" class="tab-content">**

**<div class="tab-pane fade active in" id="home">**

**<h4>Product Information</h4>**

**<table class="table table-bordered">**

**<tbody>**

**<tr class="techSpecRow"><th colspan="2">Product Details</th></tr>**

**{% for feature in features %}**

**<tr class="techSpecRow"><td class="techSpecTD1">{{feature.featureid.name}} </td><td class="techSpecTD2">{{feature.value}}</td></tr>**

**{% endfor %}**

**</tbody>**

**</table>**

**<hr class="soft"/>**

**</div>**

**</div>**

**</div>**

**<br class="clr"/>**

**</div>**

**</div>**

**</div>**

**</div>**

**<!-- MainBody End ============================= -->**

**<script>**

**function AddCart(productid)**

**{**

**xhr=new XMLHttpRequest();**

**xhr.open('GET','/cart/add/'+productid);**

**xhr.send();**

**xhr.onreadystatechange=function()**

**{**

**if(xhr.readyState==4)**

**{**

**response\_data=JSON.parse(xhr.responseText);**

**if(response\_data.response=="User Not Logged In" && productid!=0)**

**{**

**$("#login").modal();**

**}**

**else if(response\_data.response=='Duplicate Record')**

**{**

**alert('Item Already Exist in Your Cart');**

**}**

**else**

**{**

**document.getElementById('cartItems').innerHTML=response\_data['cartitems'];**

**document.getElementById('cartItemMenu').innerHTML=response\_data['cartitems'];**

**}**

**}**

**}**

**}**

**onload=function()**

**{**

**AddCart(0);**

**}**

**</script>**

**{% endblock %}**

**CategoryWiseProducts.html (Template -> Main App)**

**{% extends 'main/base.html' %}**

**{% block content %}**

**{% load static %}**

**<div id="mainBody">**

**<div class="container">**

**<div class="row">**

**<!-- Sidebar ================================================== -->**

**<div id="sidebar" class="span3">**

**{% if profile %}**

**<div class="well well-small">**

**<a id="myCart" href="/cart/"><img src="{% static 'main/images/ico-cart.png' %}" alt="cart"><span id="cartItems">0</span> Items in your cart</a>**

**</div>**

**{% endif %}**

**<ul id="sideManu" class="nav nav-tabs nav-stacked">**

**{% for category in categories %}**

**<li class="subMenu open"><a>{{ category.name }}</a>**

**<ul>**

**{% for subcategory in category.subcategories %}**

**<li>**

**<a class="active" href="/category/{{ subcategory.id }}"><i class="icon-chevron-right"></i>{{ subcategory.name }} ({{ subcategory.numproducts }})</a>**

**</li>**

**{% endfor %}**

**</ul>**

**</li>**

**{% endfor %}**

**</ul>**

**<br/>**

**<!--**

**<div class="thumbnail">**

**<img src="{% static 'main/images/products/panasonic.jpg' %}" alt="Bootshop panasonoc New camera"/>**

**<div class="caption">**

**<h5>Panasonic</h5>**

**<h4 style="text-align:center"><a class="btn" href="product\_details.html"> <i class="icon-zoom-in"></i></a> <a class="btn" href="#"><i class="icon-shopping-cart"></i></a> <a class="btn btn-primary" href="#">$222.00</a></h4>**

**</div>**

**</div>**

**<br/>**

**<div class="thumbnail">**

**<img src="{% static 'main/images/products/kindle.png' %}" title="Bootshop New Kindel" alt="Bootshop Kindel">**

**<div class="caption">**

**<h5>Kindle</h5>**

**<h4 style="text-align:center"><a class="btn" href="product\_details.html"> <i class="icon-zoom-in"></i></a> <a class="btn" href="#"><i class="icon-shopping-cart"></i></a> <a class="btn btn-primary" href="#">$222.00</a></h4>**

**</div>**

**</div>**

**<br/>**

**<div class="thumbnail">**

**<img src="{% static 'main/images/payment\_methods.png' %}" title="Bootshop Payment Methods" alt="Payments Methods">**

**<div class="caption">**

**<h5>Payment Methods</h5>**

**</div>**

**</div>**

**-->**

**</div>**

**<!-- Sidebar end=============================================== -->**

**<div class="span9">**

**<ul class="breadcrumb">**

**<li><a href="/">Home</a> <span class="divider">/</span></li>**

**<li class="active">{{ curcategory.name }}</li>**

**</ul>**

**<!--**

**<form class="form-horizontal span6">**

**<div class="control-group">**

**<label class="control-label alignL">Sort By </label>**

**<select>**

**<option>Priduct name A - Z</option>**

**<option>Priduct name Z - A</option>**

**<option>Priduct Stoke</option>**

**<option>Price Lowest first</option>**

**</select>**

**</div>**

**</form>**

**-->**

**<!--**

**<div id="myTab" class="pull-right">**

**<a href="#listView" data-toggle="tab"><span class="btn btn-large"><i class="icon-list"></i></span></a>**

**<a href="#blockView" data-toggle="tab"><span class="btn btn-large btn-primary"><i class="icon-th-large"></i></span></a>**

**</div>**

**-->**

**<br class="clr"/>**

**<div class="tab-content">**

**<div class="tab-pane" id="listView">**

**{% for item in products %}**

**<div class="row">**

**<div class="span2">**

**<img src="/media/{{ item.image }}" alt=""/>**

**</div>**

**<div class="span4">**

**<h3>New | Available</h3>**

**<hr class="soft"/>**

**<h5>{{ item.name }}</h5>**

**<p>**

**{{item.name}}**

**</p>**

**<a class="btn btn-small pull-right" href="product\_details.html">View Details</a>**

**<br class="clr"/>**

**</div>**

**<div class="span3 alignR">**

**<form class="form-horizontal qtyFrm">**

**<h3>&#8377; {{ item.price }}</h3>**

**<label class="checkbox">**

**<input type="checkbox"> Adds product to compair**

**</label><br/>**

**<a href="product\_details.html" class="btn btn-large btn-primary"> <i class=" icon-shopping-cart"></i></a>**

**<a href="product\_details.html" class="btn btn-large"><i class="icon-zoom-in"></i></a>**

**</form>**

**</div>**

**</div>**

**<hr class="soft"/>**

**{% endfor %}**

**</div>**

**<div class="tab-pane active" id="blockView">**

**<ul class="thumbnails">**

**{% for item in products %}**

**<li class="span3">**

**<div class="thumbnail">**

**<a href="/productdetails/{{item.id}}"><img src="/media/{{ item.image }}" style="height:280px;width:140px" alt=""/></a>**

**<div class="caption">**

**<h5>{{ item.name }}</h5>**

**<p>**

**{{ item.brandid.name }}**

**</p>**

**<h5 style="text-align:center"><!--<a class="btn" href="product\_details.html"> <i class="icon-zoom-in"></i></a>--><span class="btn"><i class="icon-shopping-cart" onclick="AddCart({{item.id}});"></i></span> <a class="btn btn-primary" href="#">&#8377; {{ item.price }}</a></h5>**

**</div>**

**</div>**

**</li>**

**{% endfor %}**

**</ul>**

**<hr class="soft"/>**

**</div>**

**</div>**

**<!--**

**<div class="pagination" style="margin:0px auto;width:280px;">**

**<ul>**

**<li><a href="#">&lsaquo;</a></li>**

**<li><a href="#">1</a></li>**

**<li><a href="#">2</a></li>**

**<li><a href="#">3</a></li>**

**<li><a href="#">4</a></li>**

**<li><a href="#">...</a></li>**

**<li><a href="#">&rsaquo;</a></li>**

**</ul>**

**</div>**

**-->**

**<br class="clr"/>**

**</div>**

**</div>**

**</div>**

**</div>**

**<!-- MainBody End ============================= -->**

**<script>**

**function AddCart(productid)**

**{**

**xhr=new XMLHttpRequest();**

**xhr.open('GET','/cart/add/'+productid);**

**xhr.send();**

**xhr.onreadystatechange=function()**

**{**

**if(xhr.readyState==4)**

**{**

**response\_data=JSON.parse(xhr.responseText);**

**if(response\_data.response=="User Not Logged In" && productid!=0)**

**{**

**$("#login").modal();**

**}**

**else if(response\_data.response=='Duplicate Record')**

**{**

**alert('Item Already Exist in Your Cart');**

**}**

**else**

**{**

**document.getElementById('cartItems').innerHTML=response\_data['cartitems'];**

**document.getElementById('cartItemMenu').innerHTML=response\_data['cartitems'];**

**}**

**}**

**}**

**}**

**onload=function()**

**{**

**AddCart(0);**

**}**

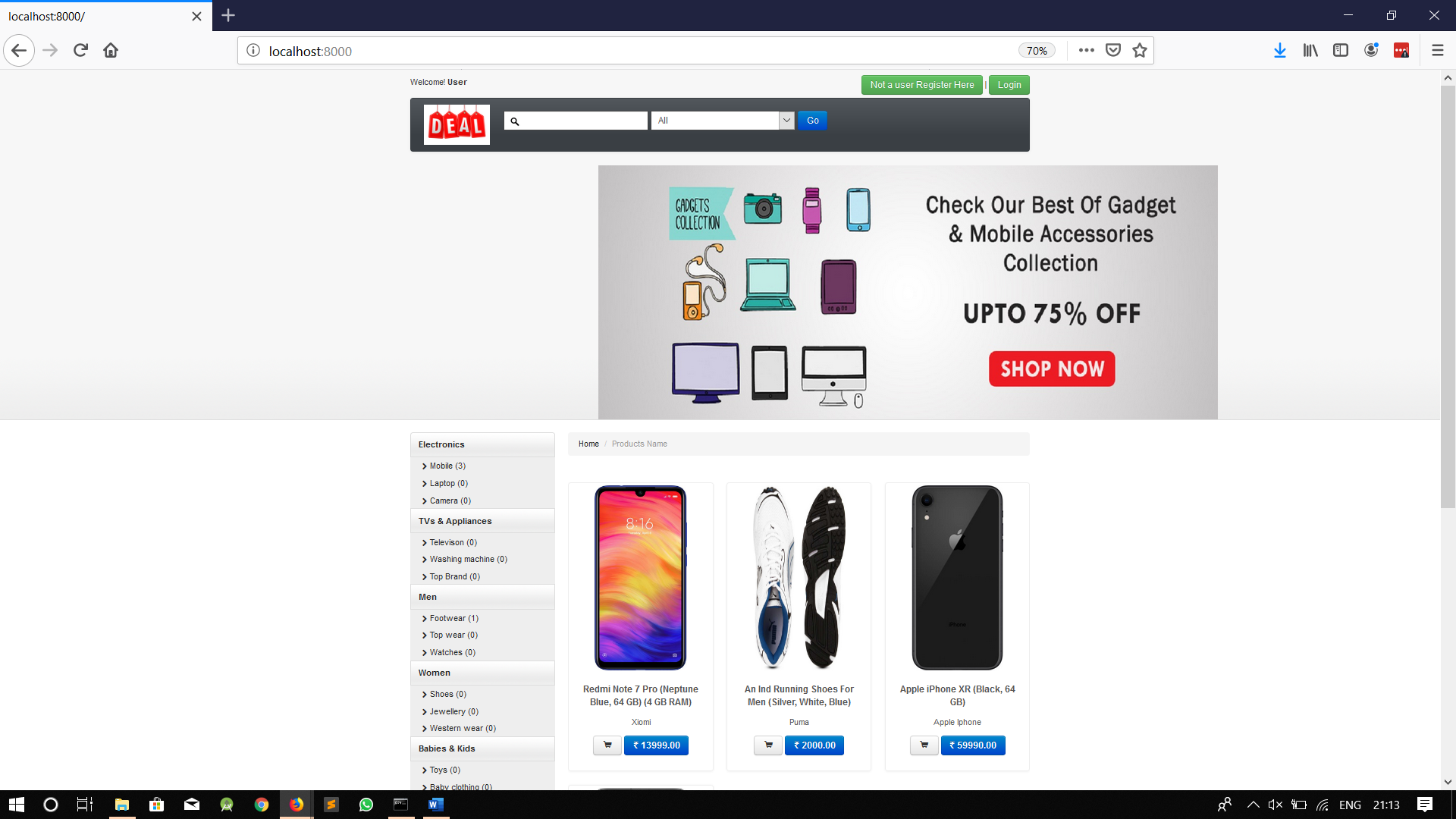
**</script>**

**{% endblock %}**

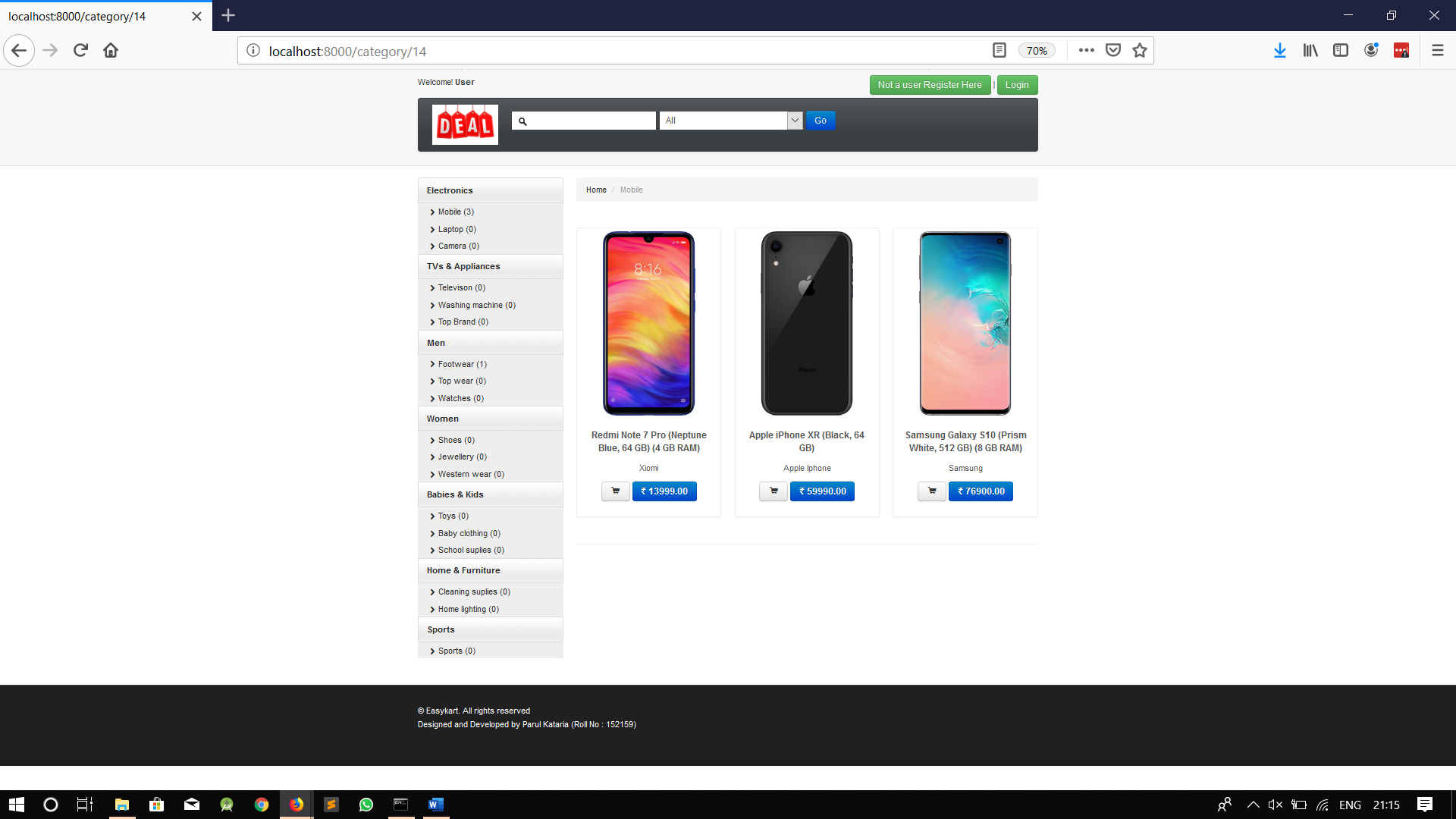
**Chapter-8**

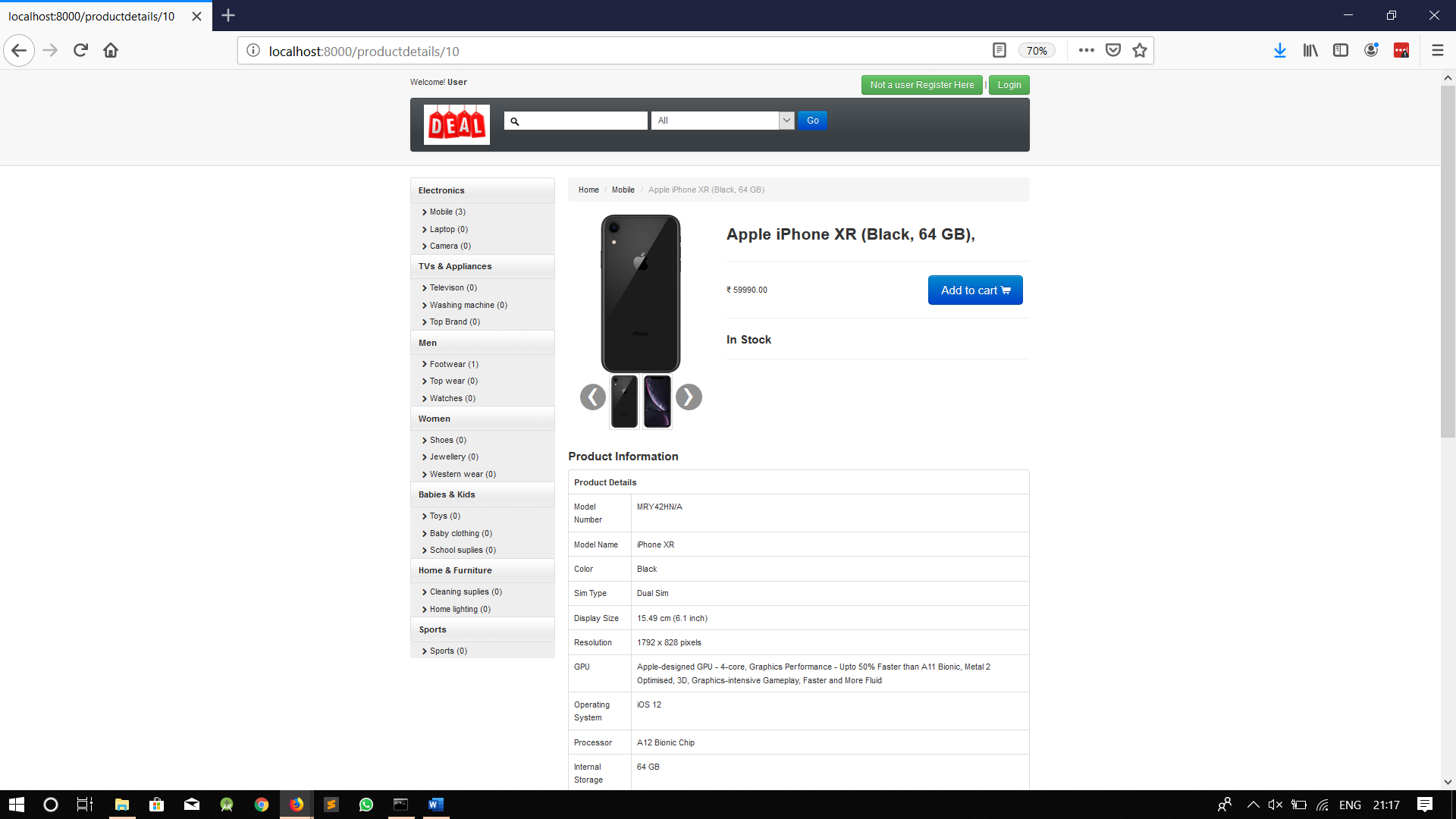
**Output Screen**

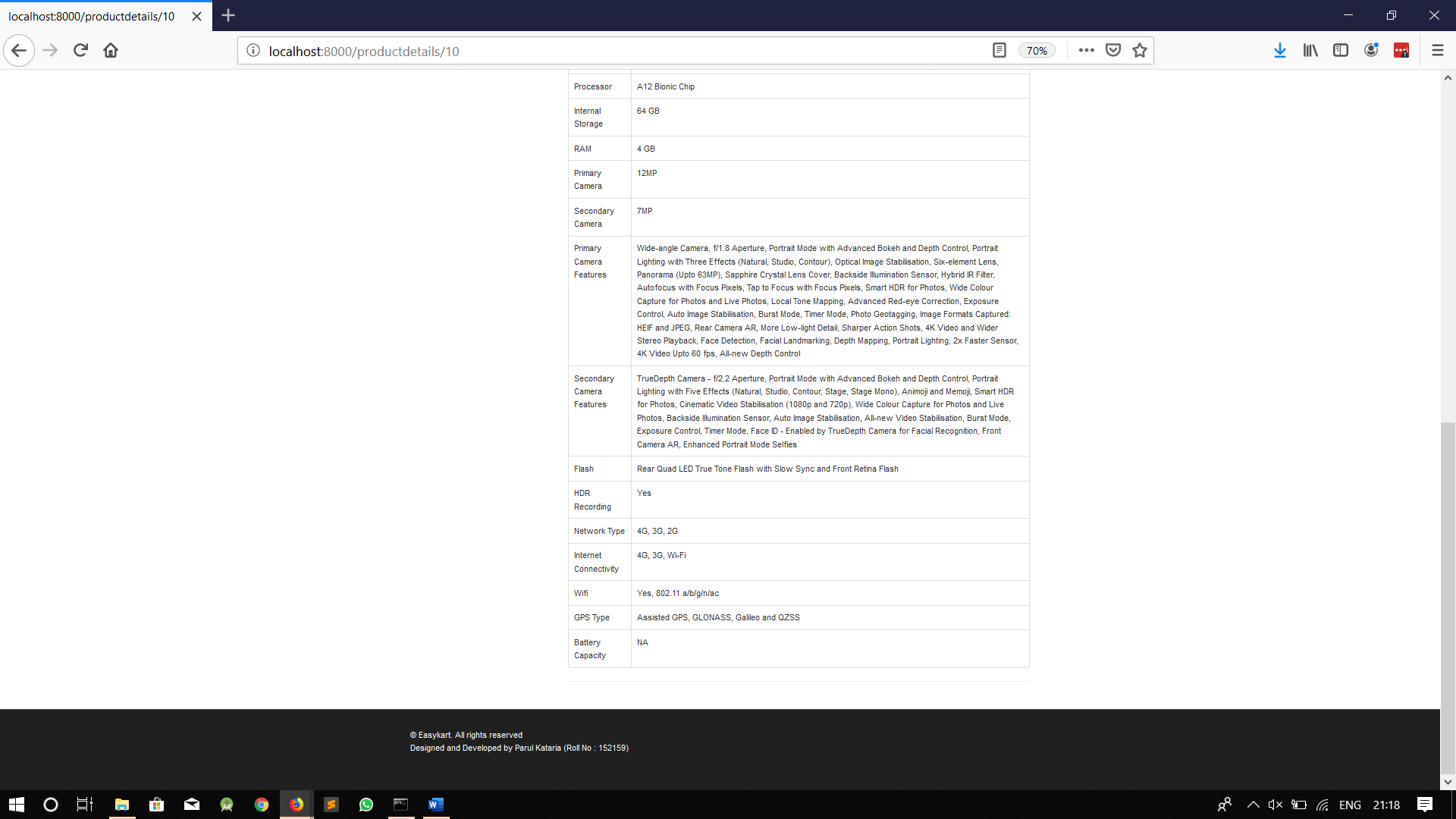
**CHAPTER 8 OUTPUT SCREEN**



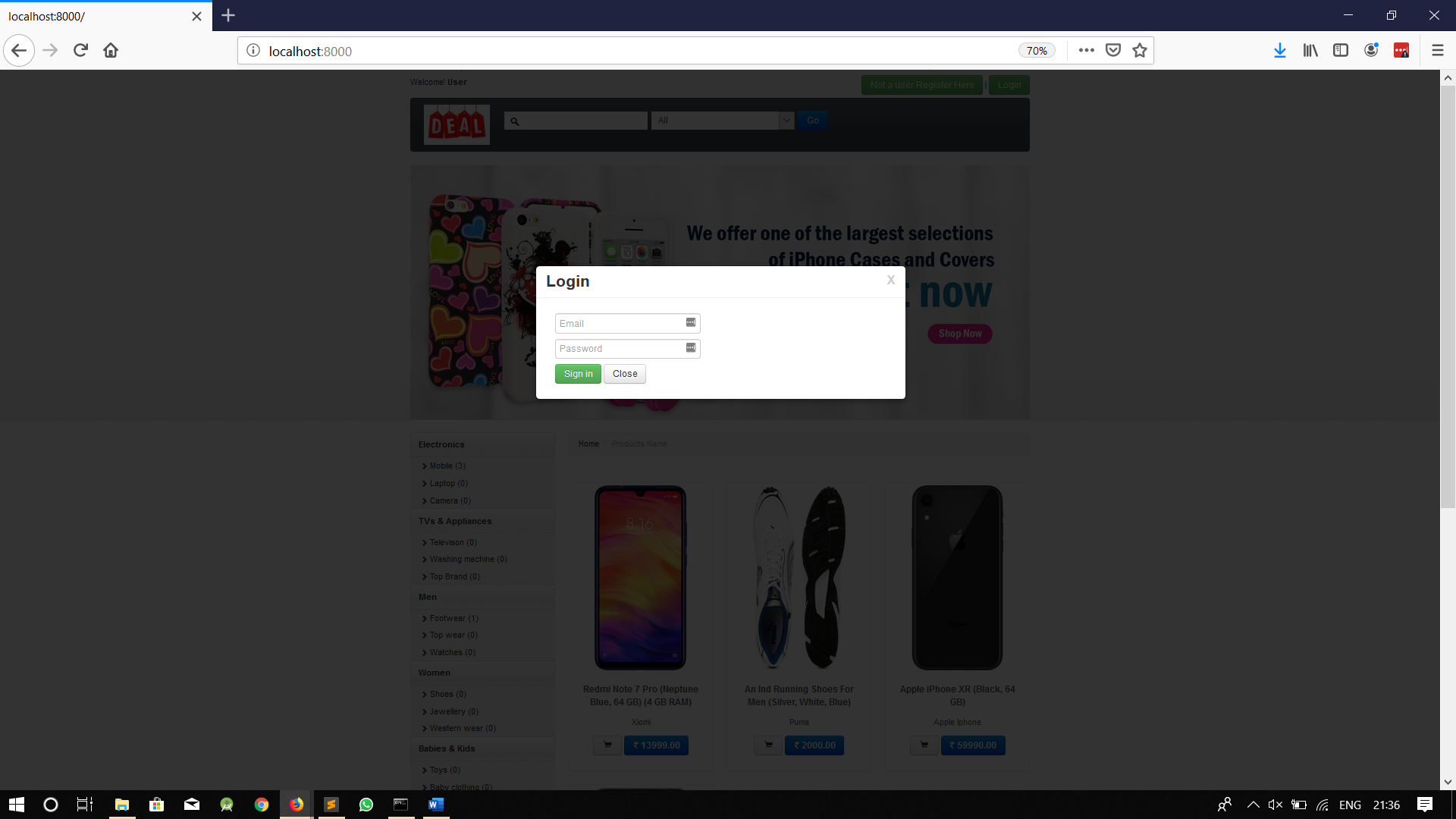
**Image 1: Home page of the Website**



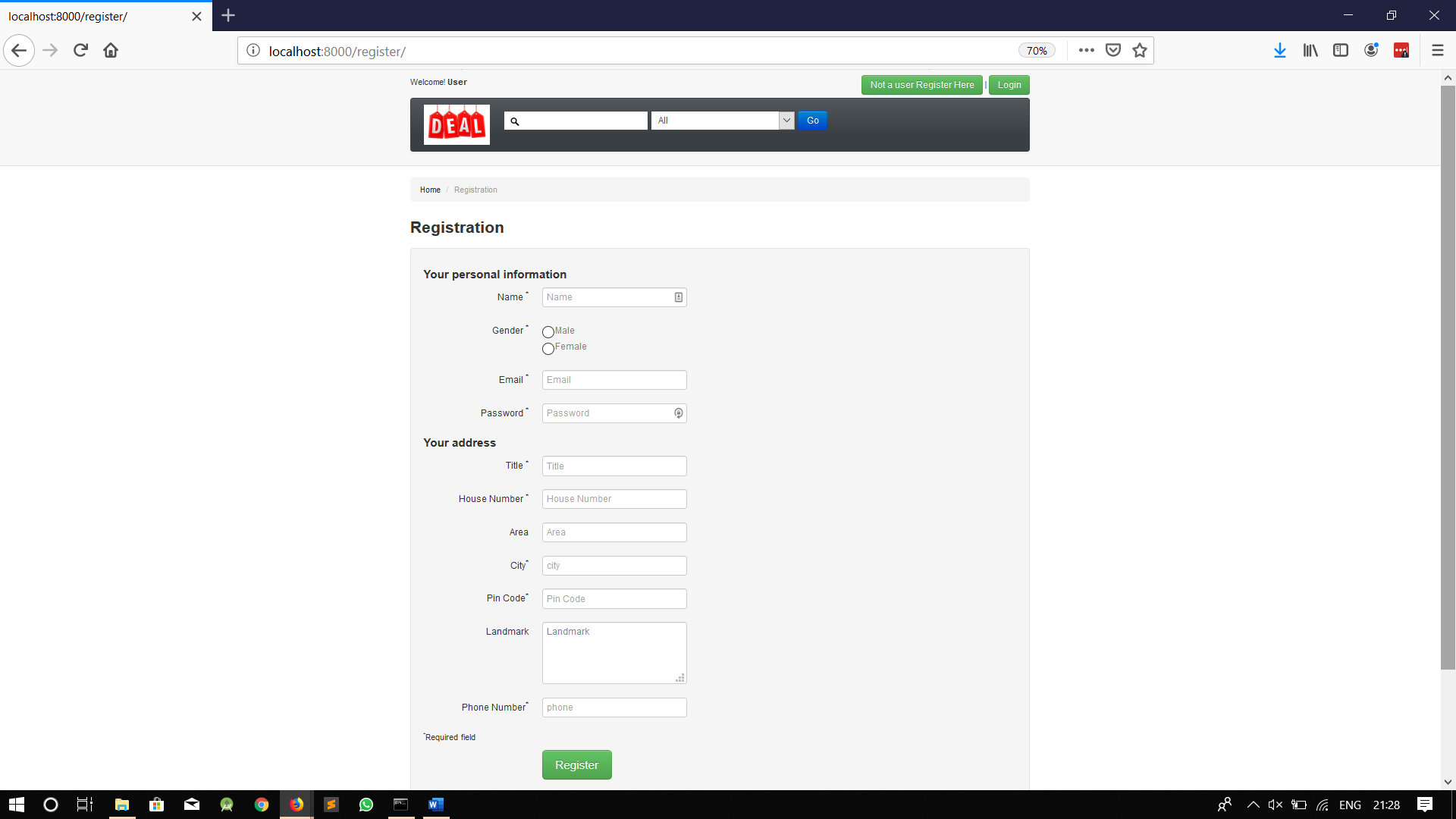




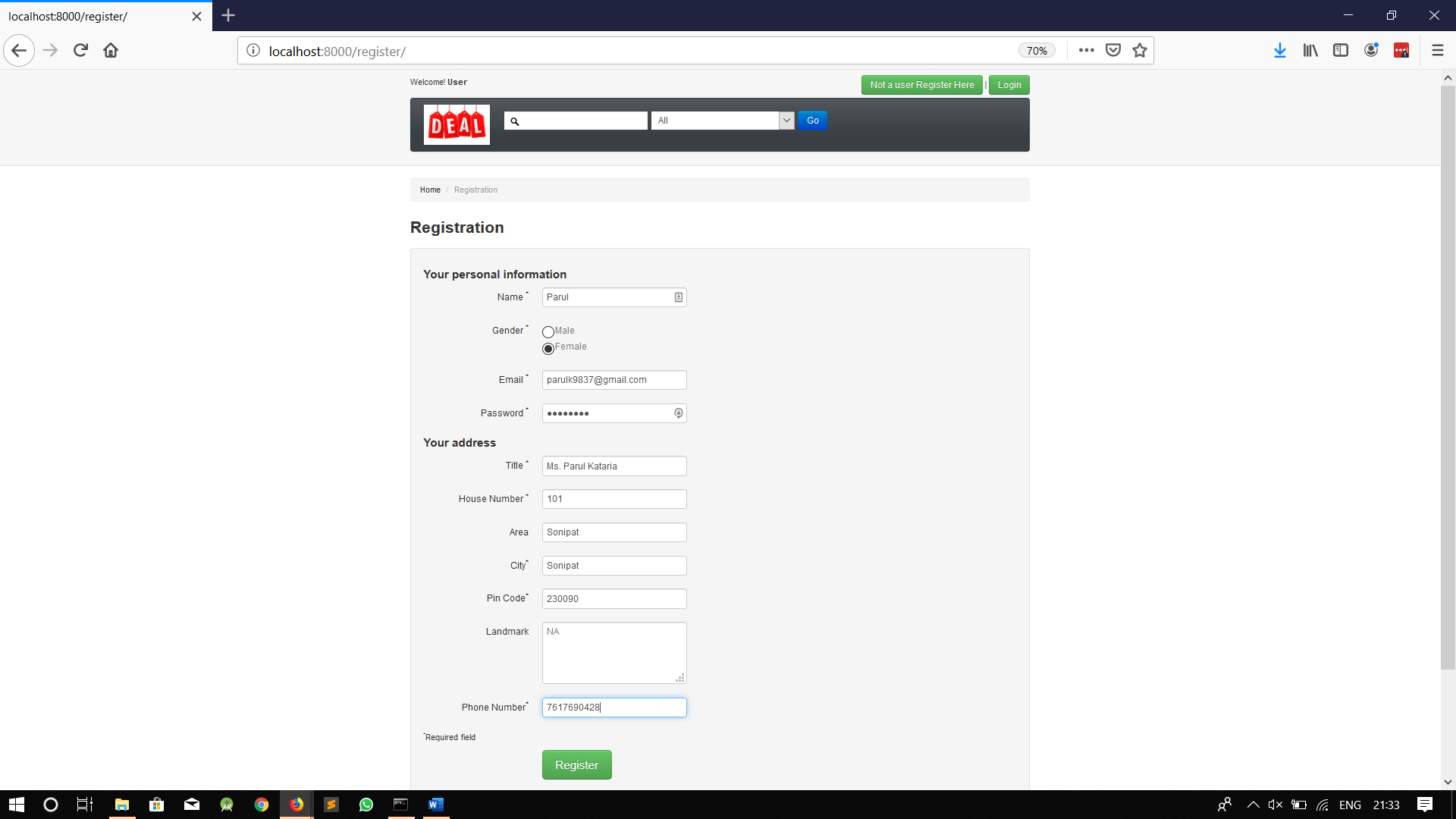
**Image 2: Product Details Page**

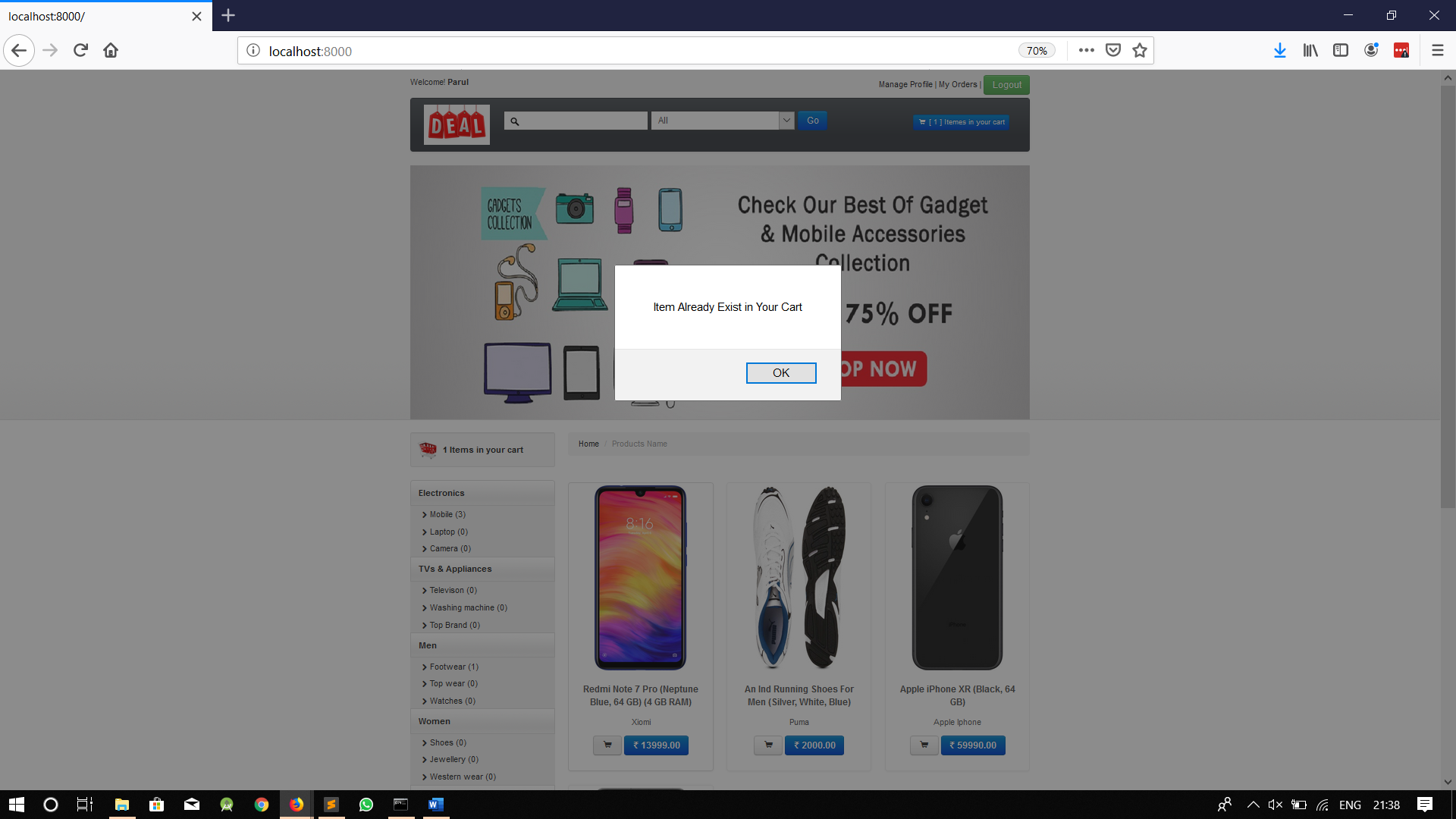


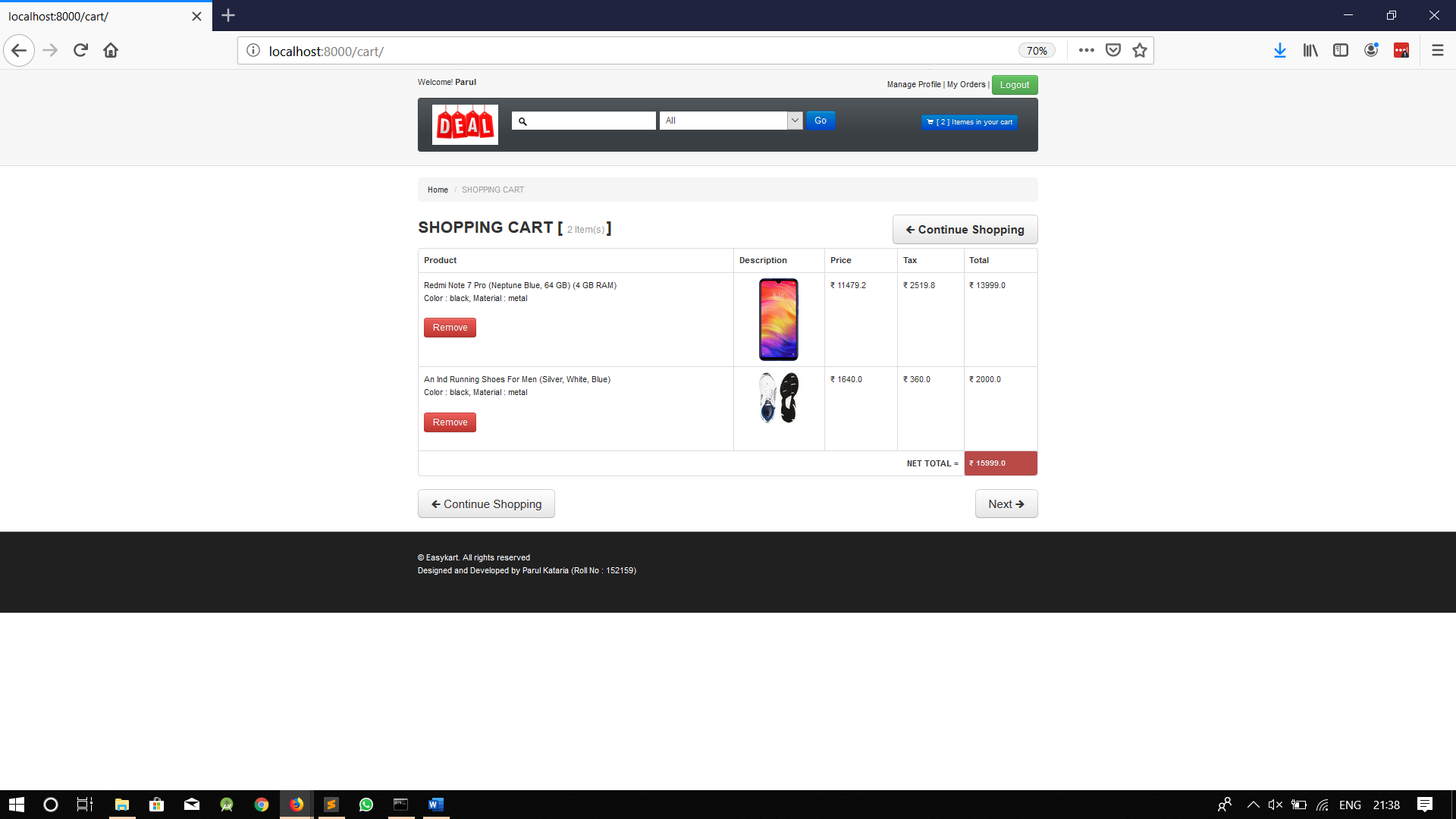
**Image 3: User Login Page**



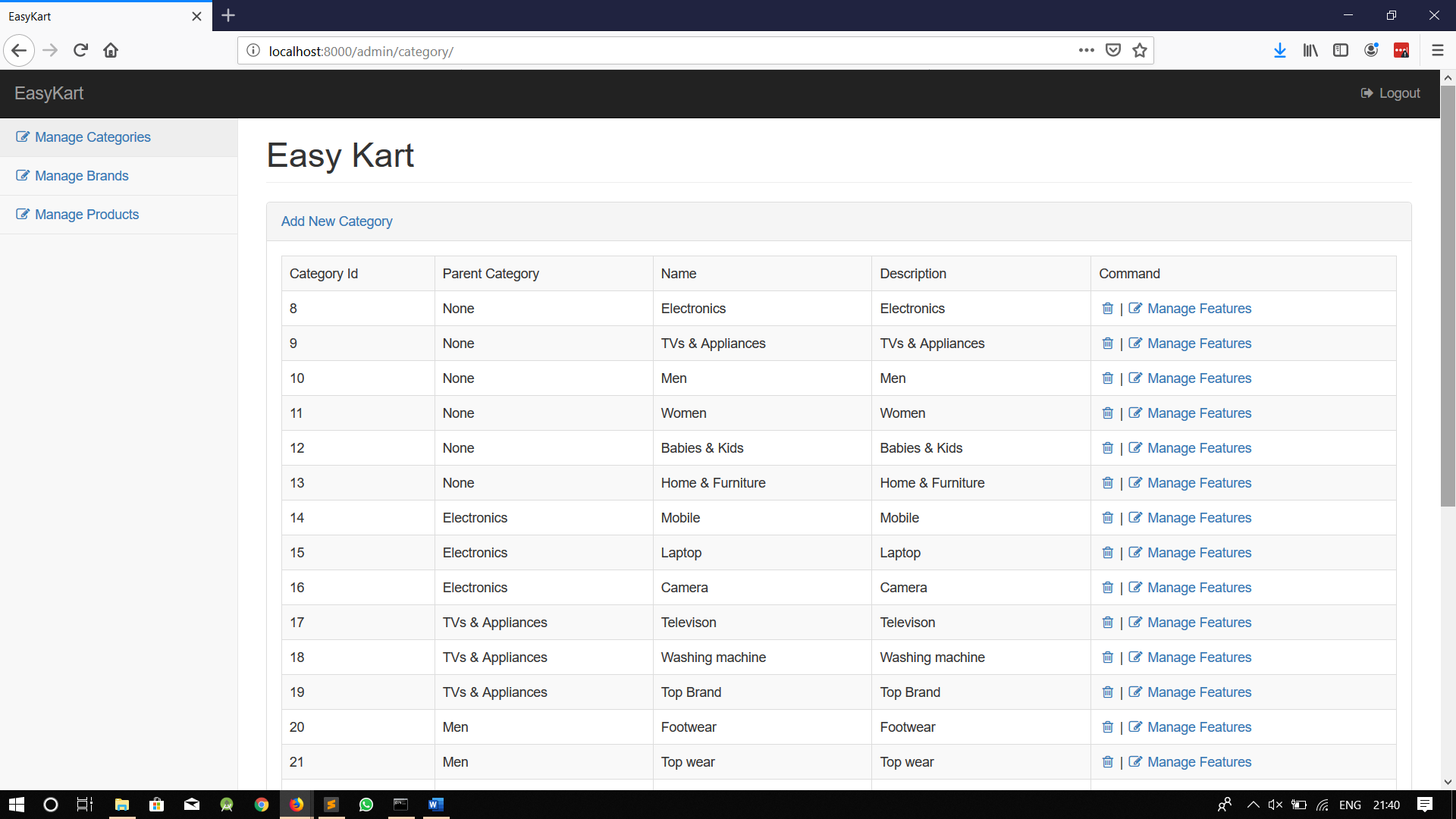
**Image 4: User Registration Page (Empty)**

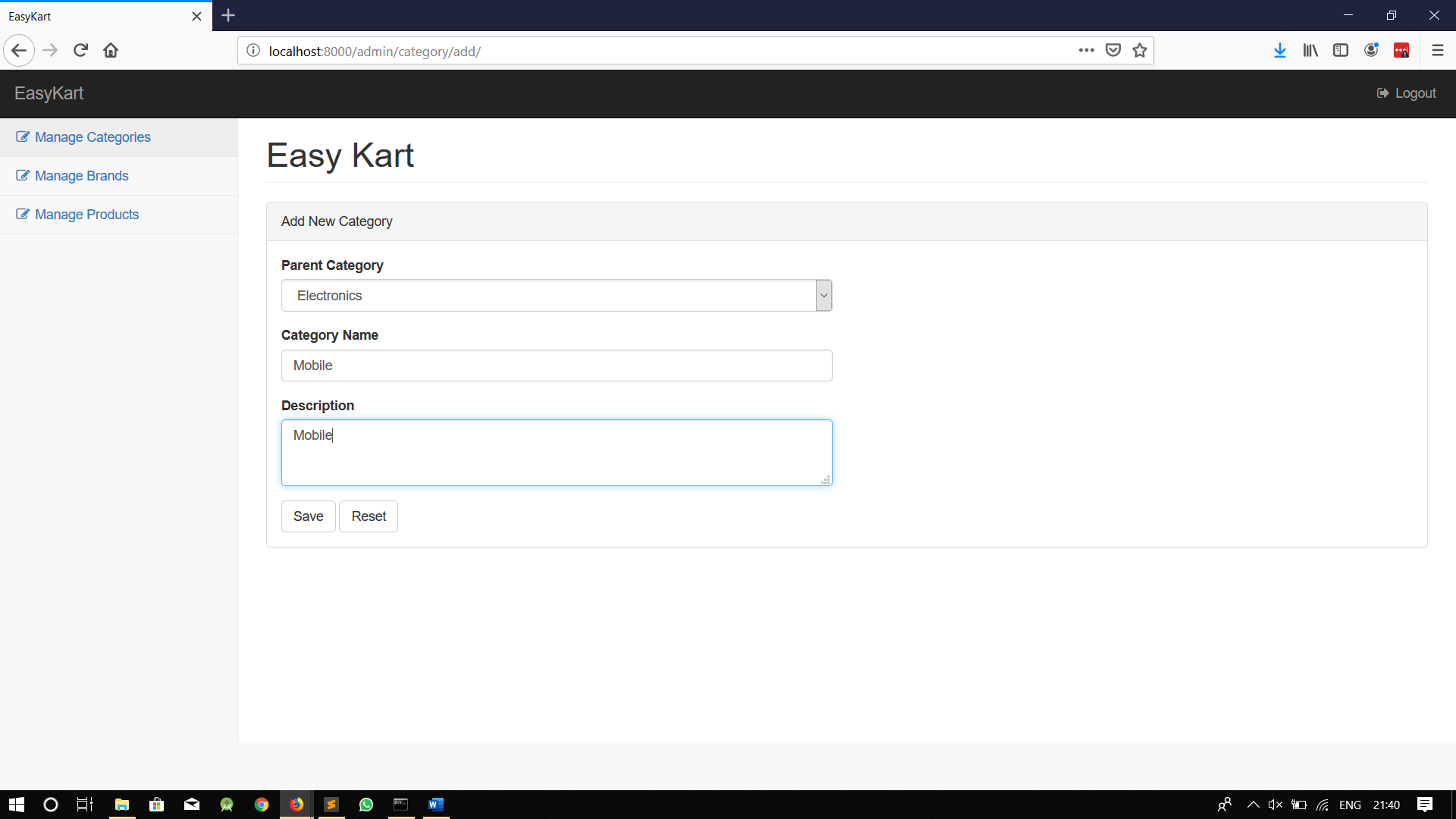


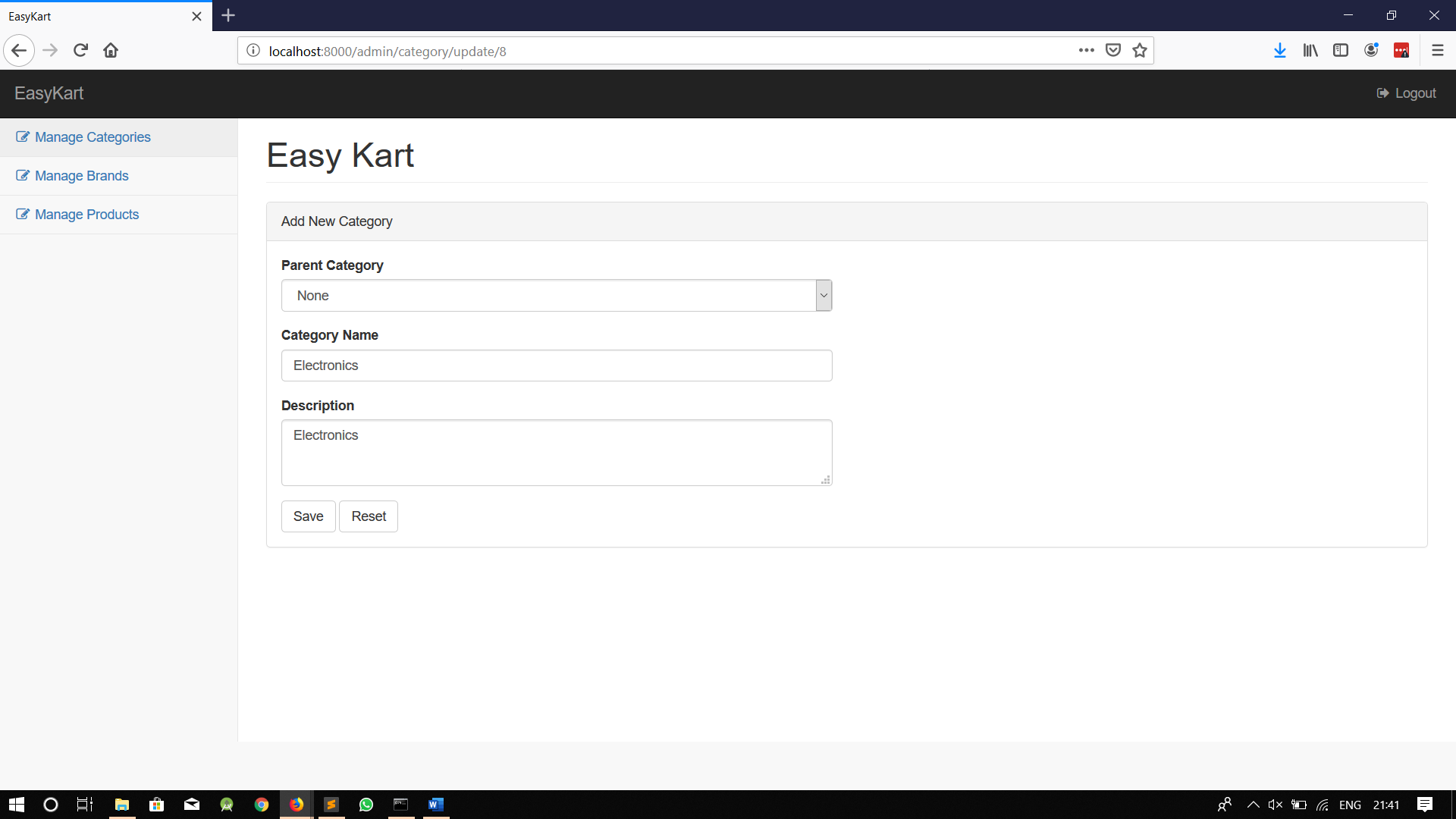


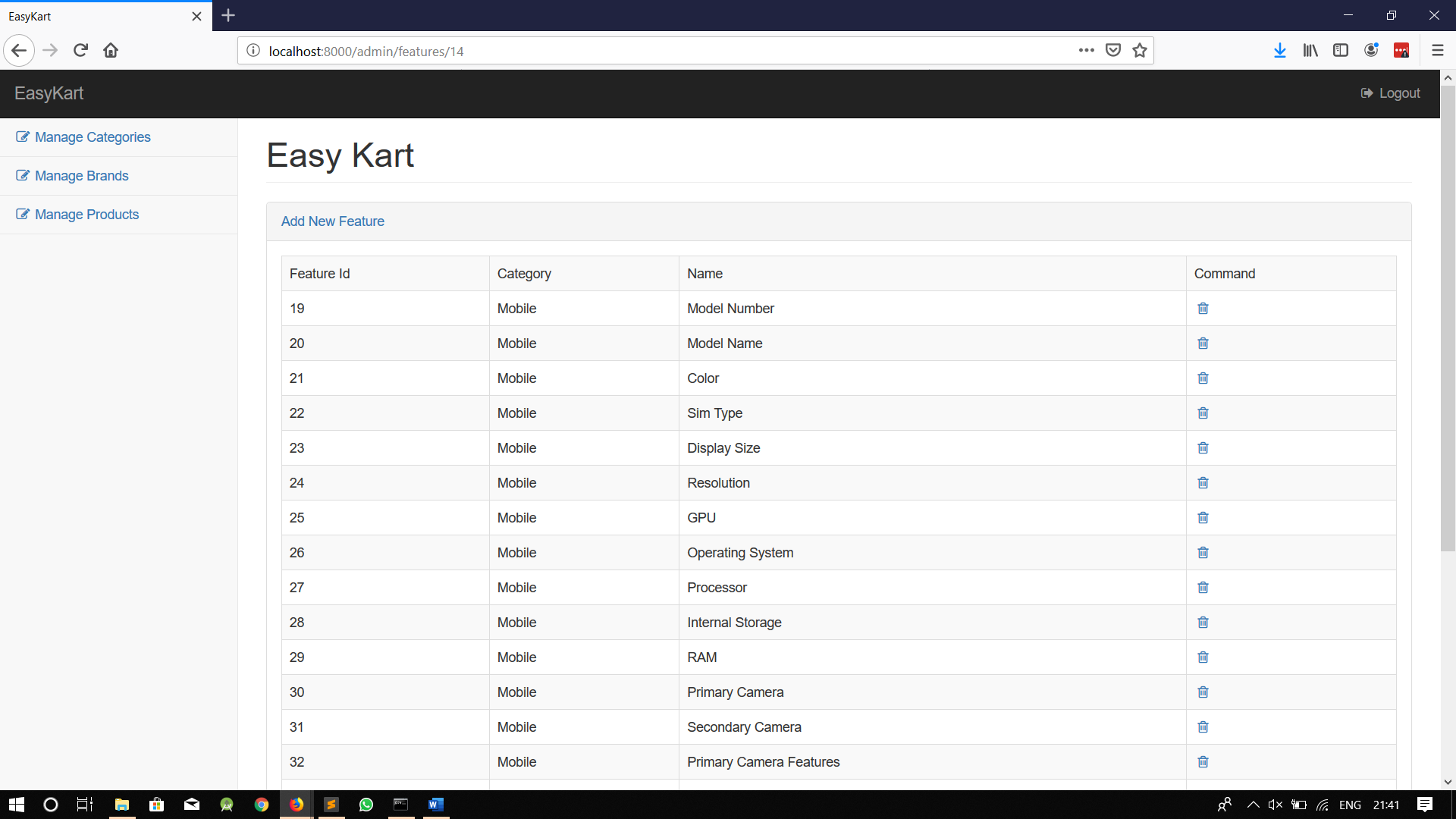


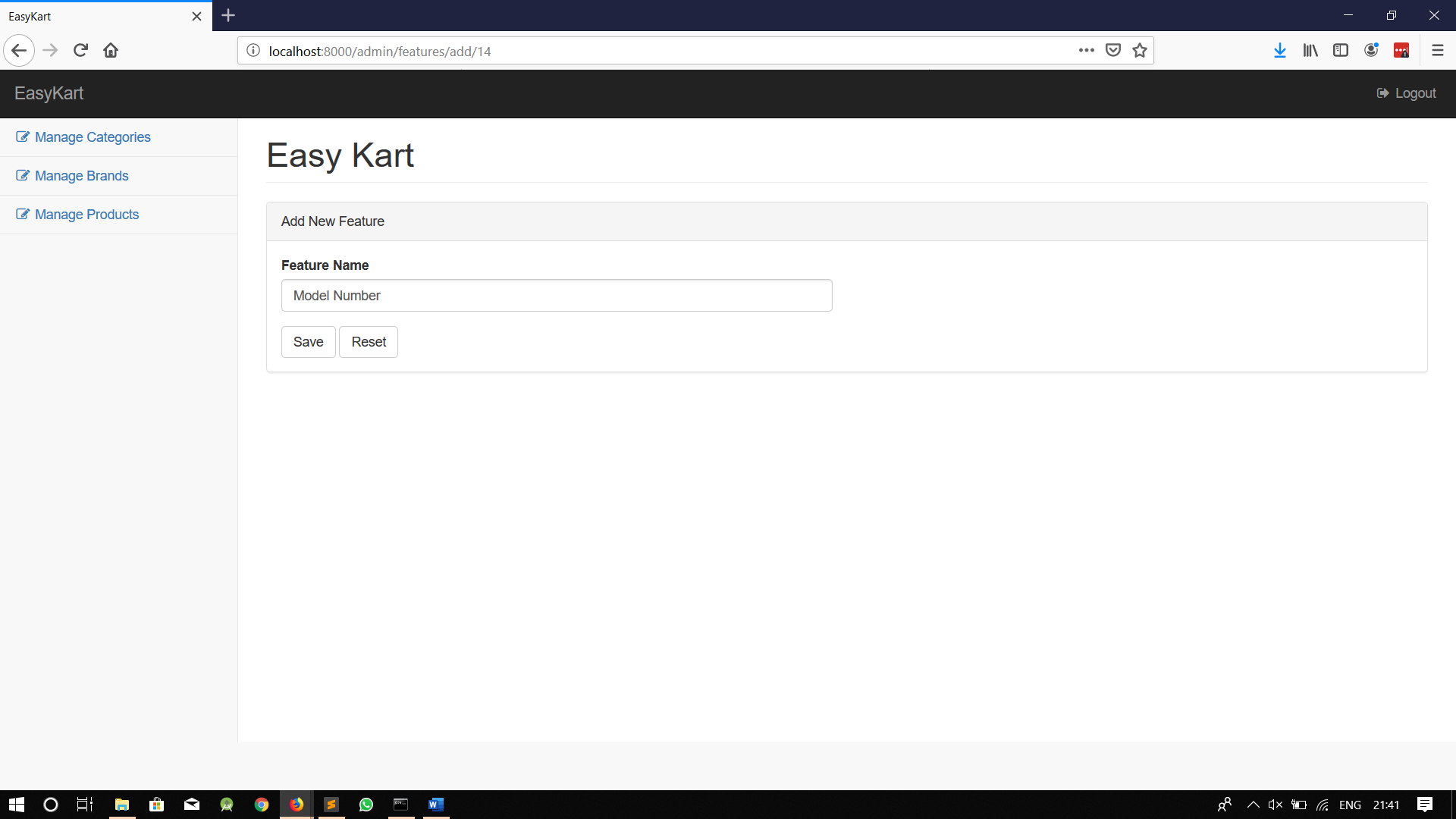
**Image 5: Cart Page**

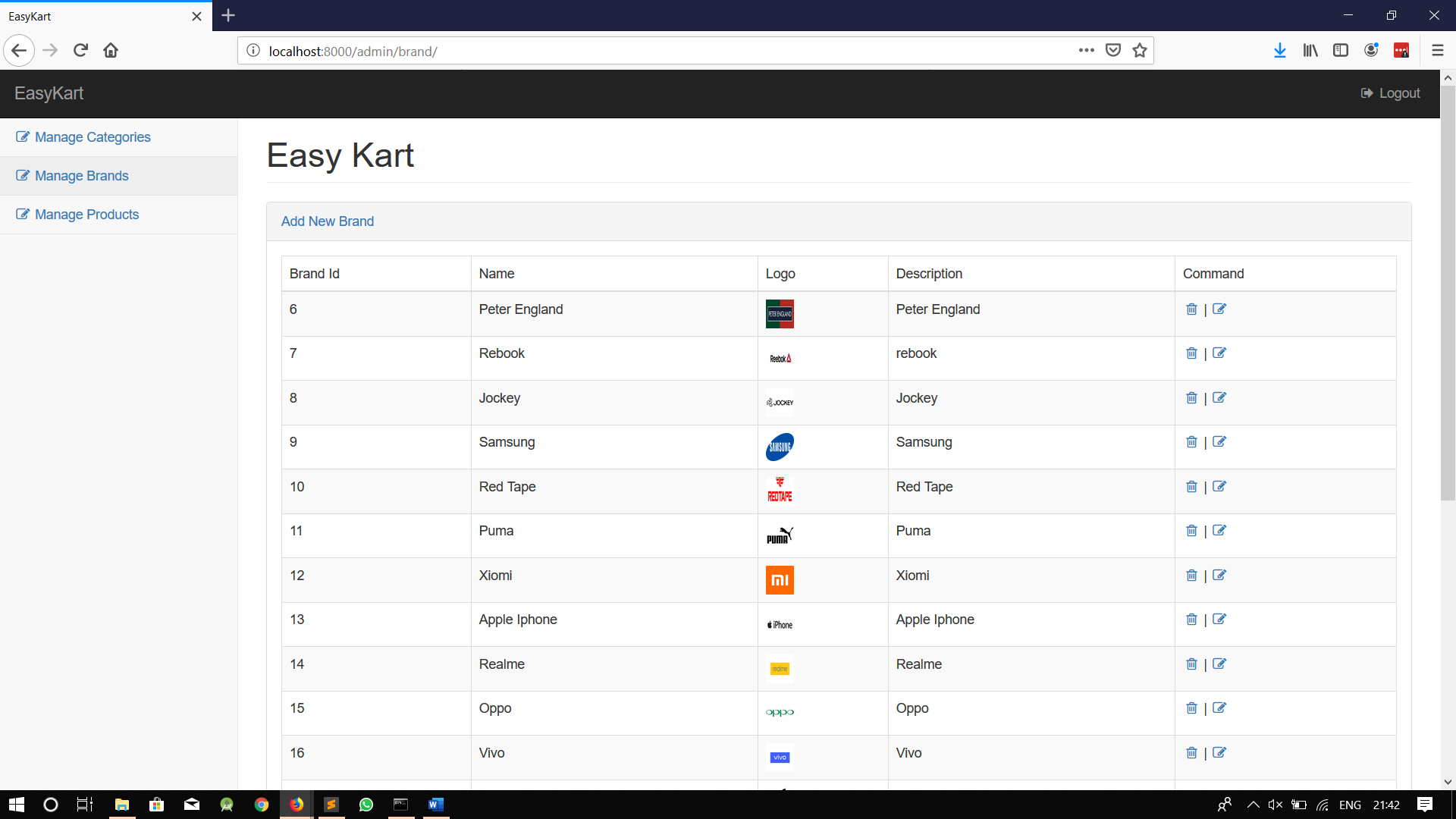


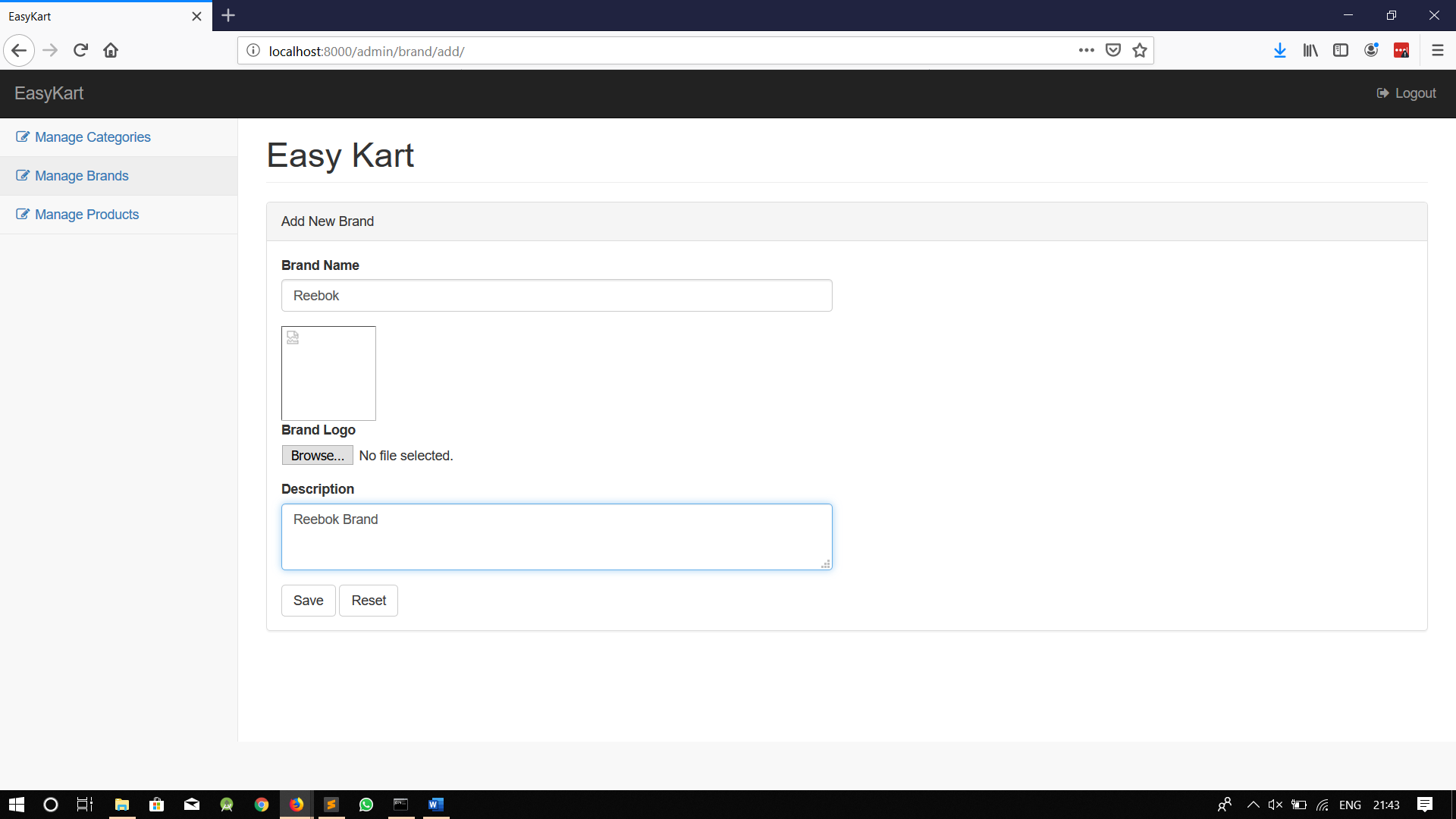


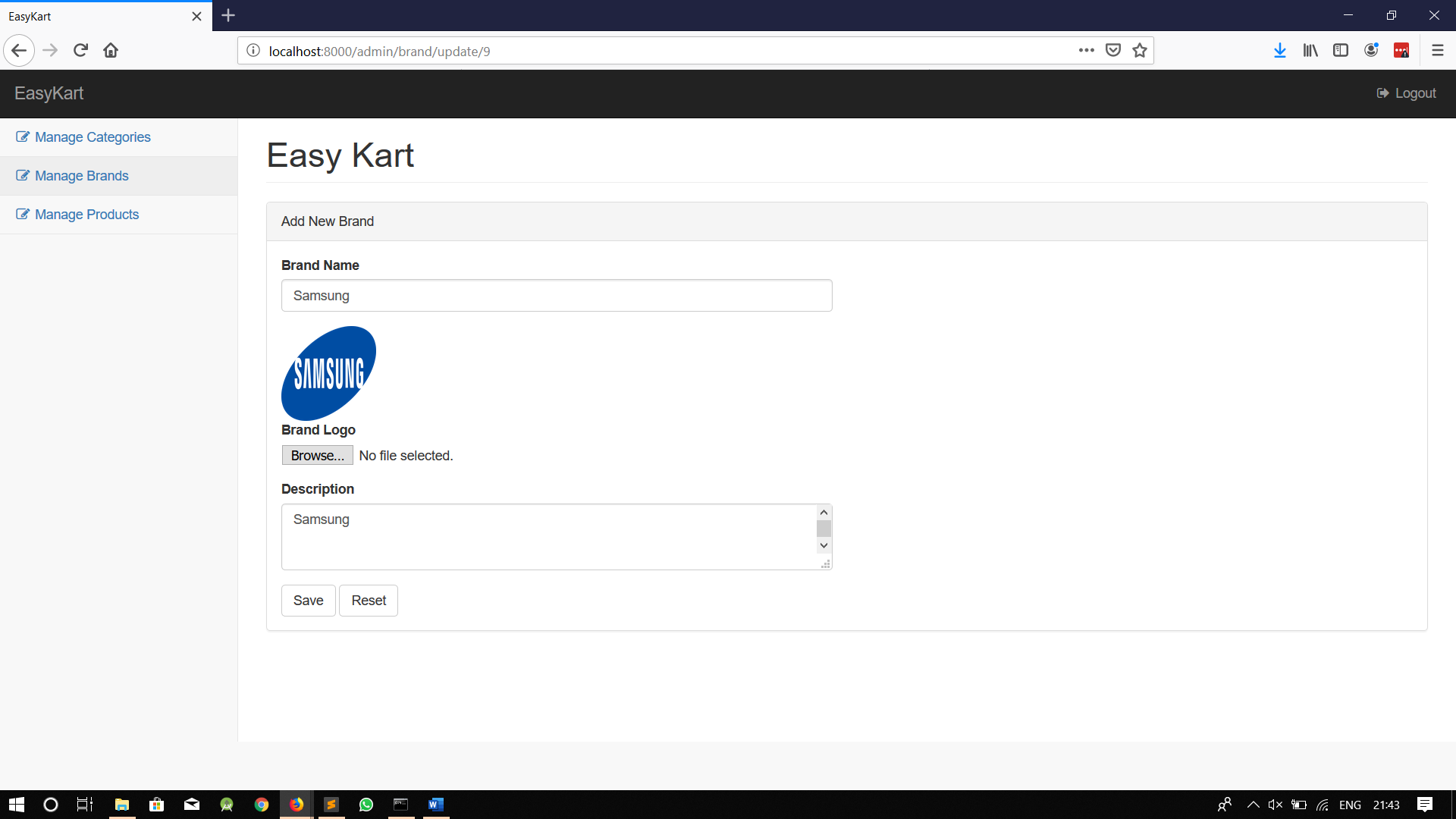


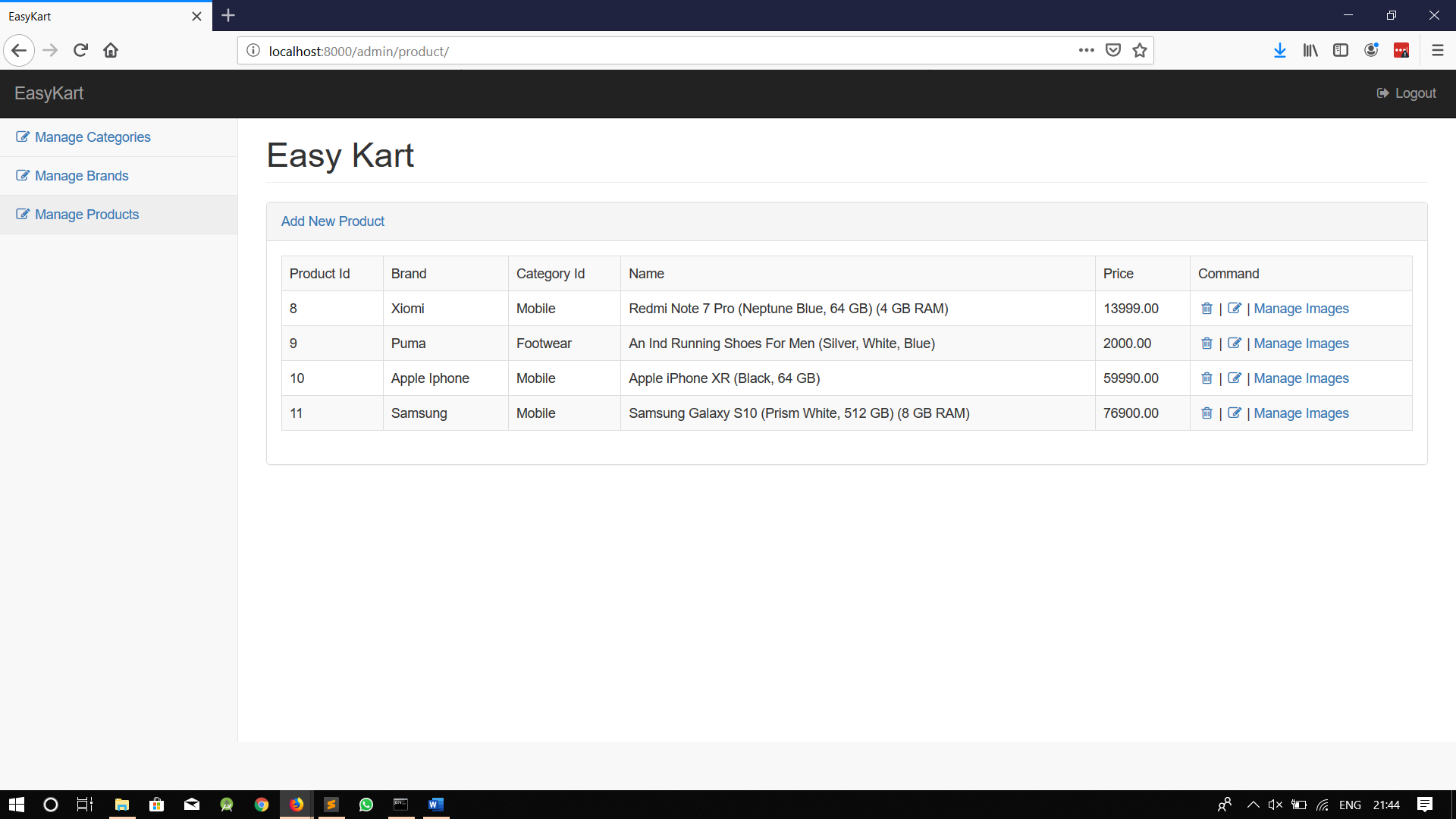




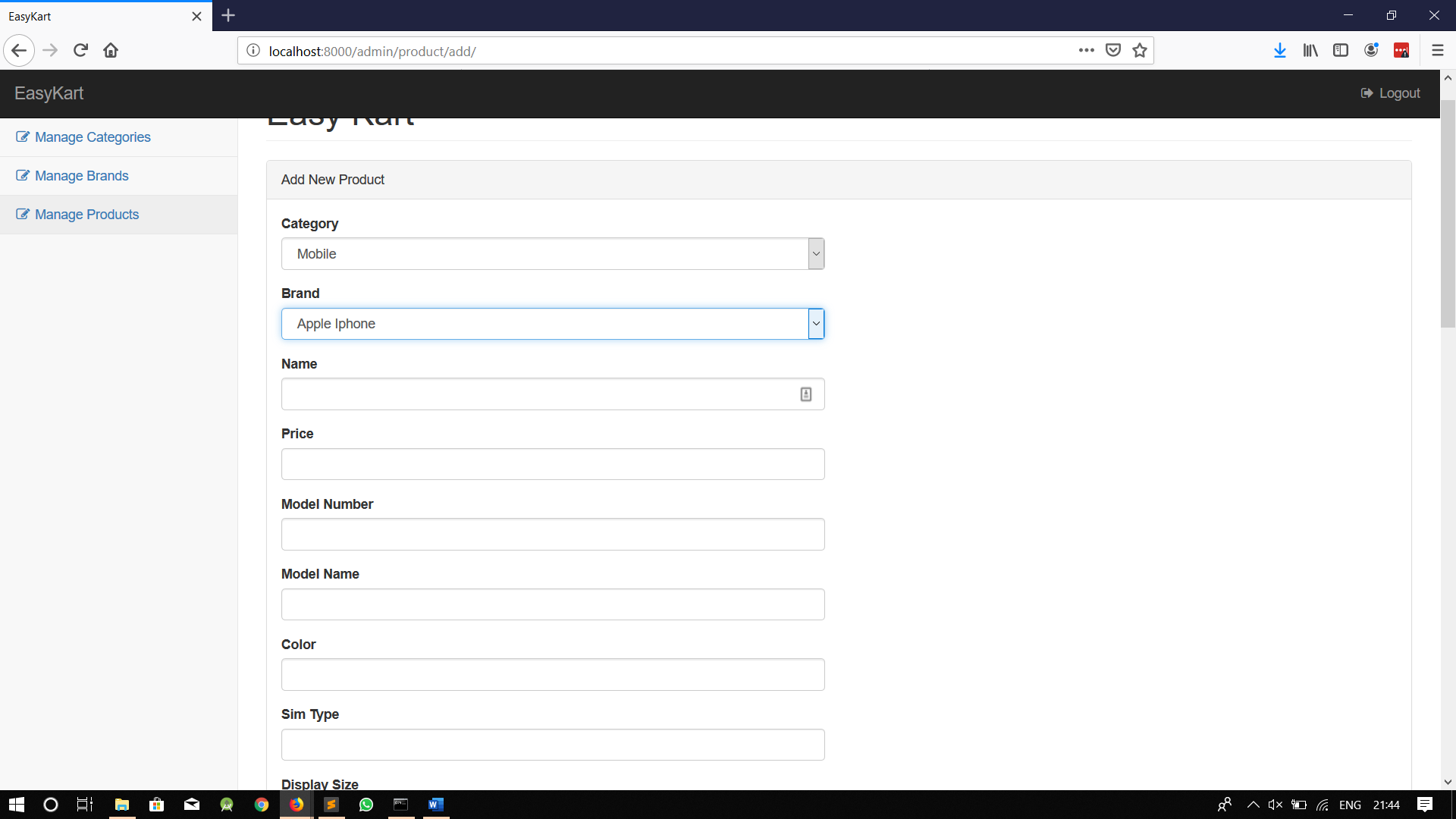


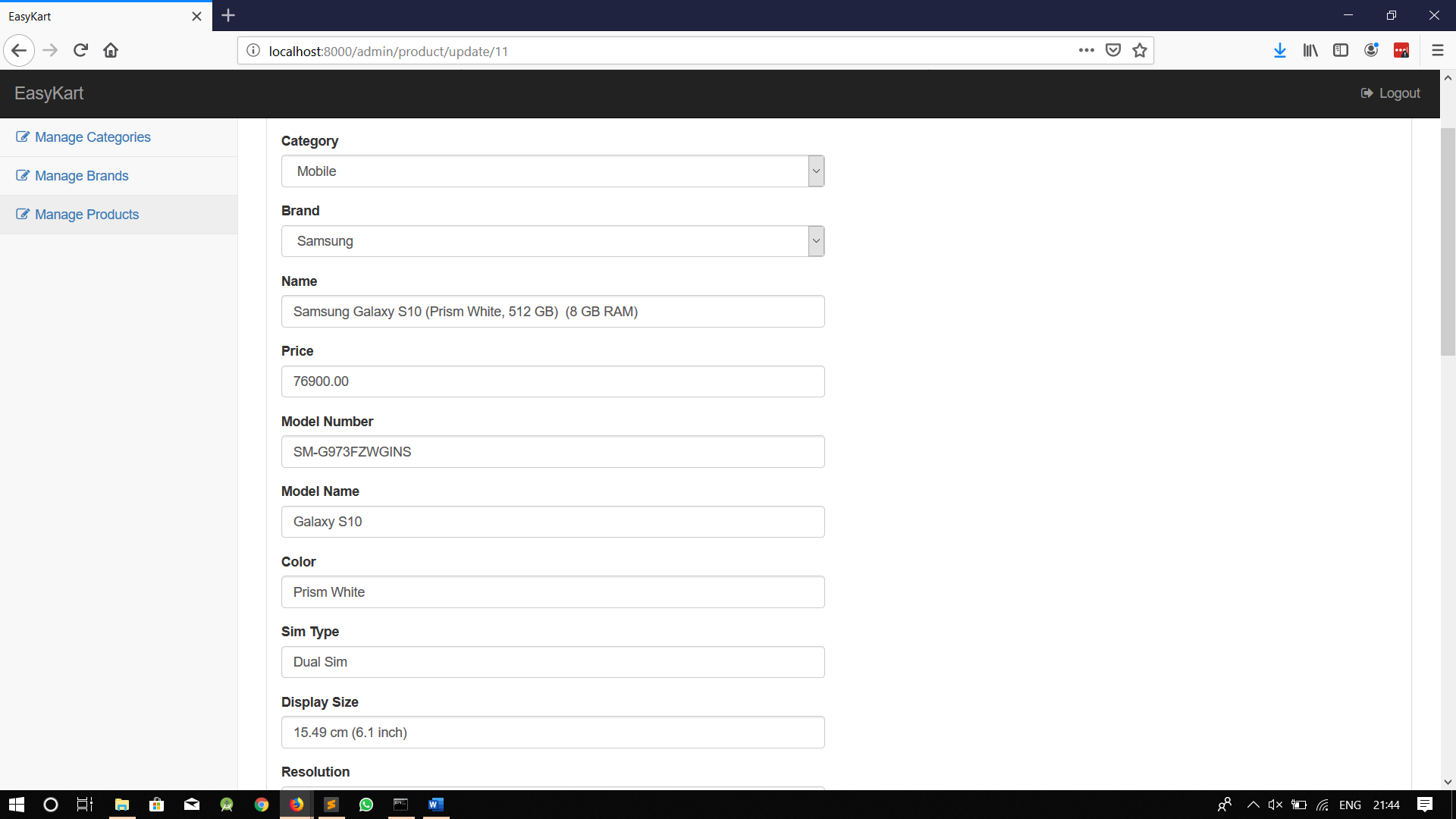




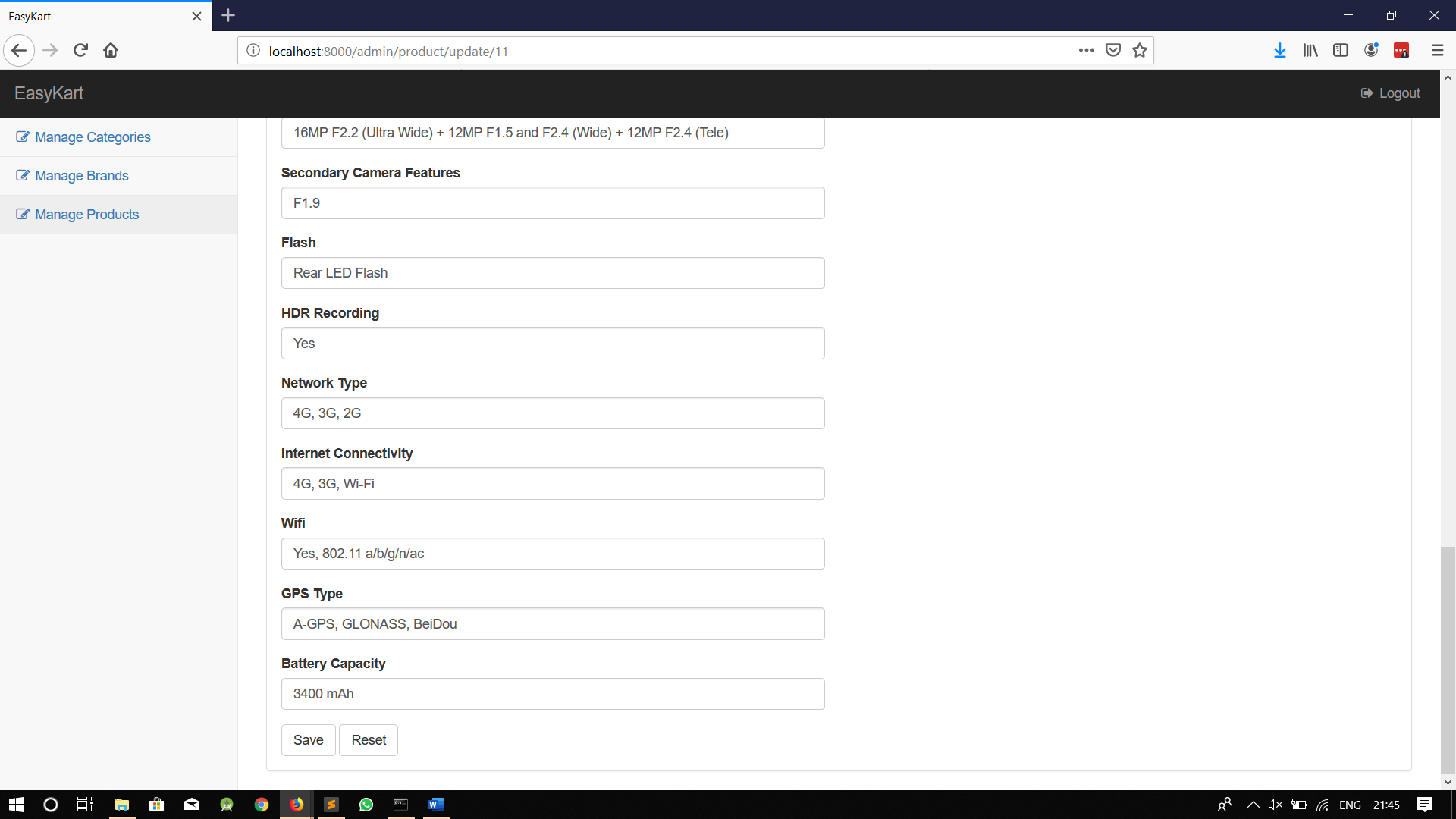


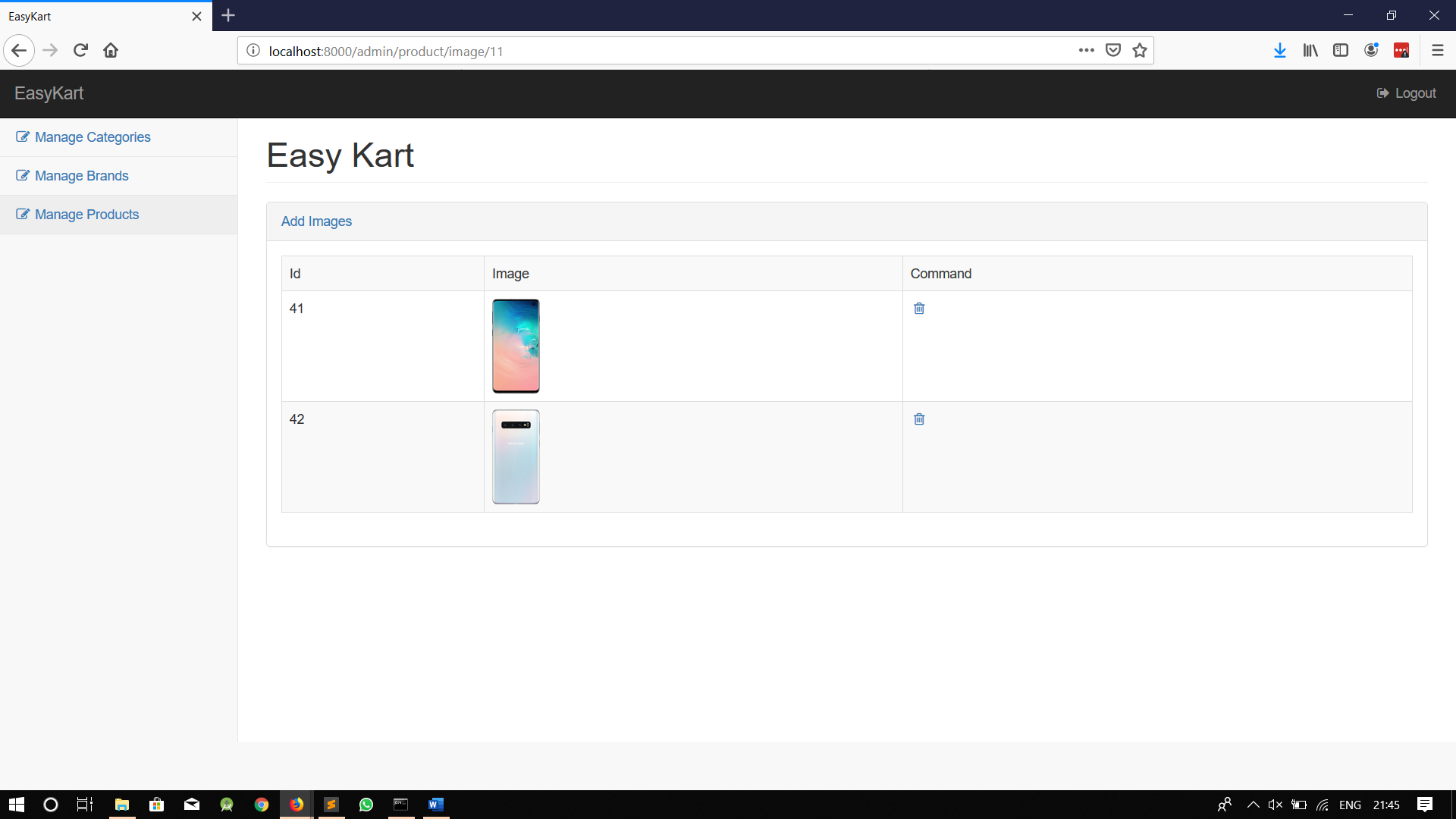


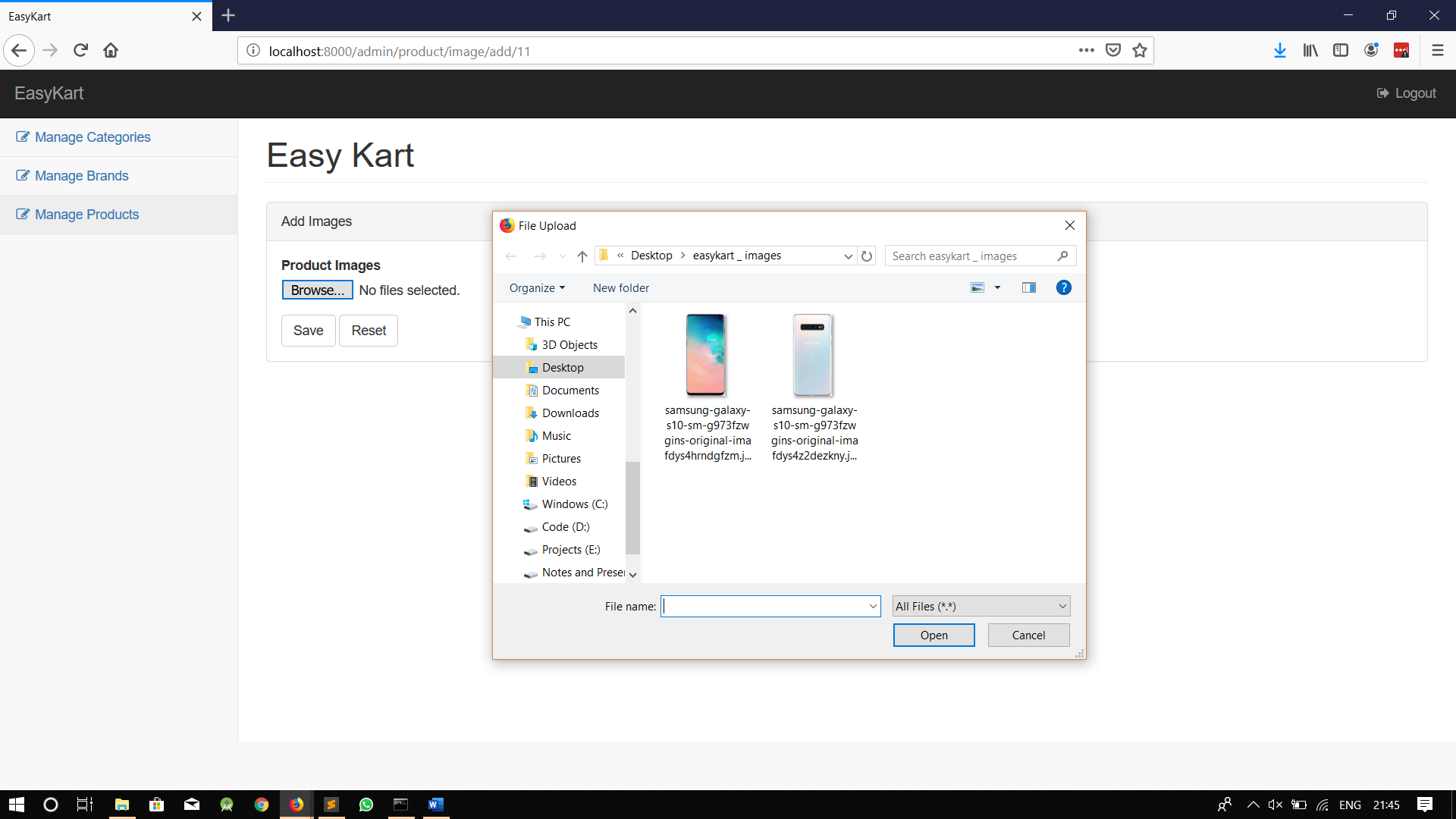












**Chapter-9**

**TESTING**

**CHAPTER-9 TESTING**

“Testing is the major quality control measure used during software development”. “Its basic function is to etect errors in the software”. “During requirement analysis and design, the output is a docment that is usualyy textural and non-exucatable”.

“After the coding phase, computer programs are available that can be executed for testing purposes”. “This implies that testing not only has to uncover errors introduced during coding, but also errors introduced during the previous phases”.

“Thus, the goal of testing is to uncover requirement, design and coding errors in the program. Consequently, different levels of testing are used”.

“Testing is carried out because”:

1. “A phase in which the errors remaining in the previous phases must be eliminated”.
2. “Helps in critical manner for quality assurance, ensuring the reliability of software”.
3. “Represents a critical review of Spcecifications, Design and Coding”.
4. “Destructive rther than constructive (try to break the system)”
5. “Major objective is to find errors not to show the absence of errors (as distinct from Verification and Validation)”

**6.1 Testing Methodology**

* **Unit testing**: “This is the lowest level of testing that is conducted to remove syntax & logic errors from a single unit”. “Individual components are tested to ensure that they operate correctly. Each component is tested independently, without other system components”.
* **Module testing**: ““A module is a collection of dependent components such as an object class, an abstract data type or some looser collection of procedures & functions””. “A module encapsulates related components, so can be tested without other system modules”.
* **Sub-System testing**: “This phase involves testing collections of modules, which have been integrated into sub-systems”. “This tests for problems that arise from component interactions”. “This testing should begin as soon as usable versions of some of the system components are available”.
* **System testing**: “The sub-systems are integrated to make up the system”. “The system as a complete entity is tested over here”. “This process is concerned with finding errors that result from unanticipated interactions between sub-systems. It is also concerned with validating that the system meets its functional & non-functional requirements & testing the emergent system properties”.
* **Acceptance testing**: “This is the final stage in the testing process before the system is accepted for operational use”. “The system is tested with data supplied by the system customer rather than simulated test data”. “Acceptance testing may reveal errors & omissions in the system requirements definition because the real data exercise the system in different ways from the test data”. “It may also reveal requirements problems where the system’s facilities do not really meet the user’s needs or the system performance is unacceptable”.

**6.2 Testing Techniques**

* **Black Box Testing: “**It aims at testing a given program’s behavior against its specification or component without making any reference to the internal structures of the program or the algorithms used”.

“Therefore, the source code is not needed. We study the system by examining its inputs and related outputs”.

“The test designer selects valid and invalid inputs and determines the correct ouptput. There is no knowledge of the test object’s internal structure”.

* **White Box Testing: “**White box testing is a method of testing software that tests internal structures or workings of an application”.

“In white-box testing an internal perspective of the system, as well as programming skills, are used to design test cases”. ,,The tester chooses inputs to exercise paths through the code and determine the appropriate outputs”.

“It is usually done at the unit level”. “It can test paths within a unit, paths between units during integration, and between subsystems during a system-level test”.

“Though this method of test design can uncover many errors or roblems, it might not detect unimplemented parts of the specifiacation or missing requirements”.

In our project, the following testing procedures have been followed. Each test case has been verified and examined thoroughly.

**Chapter-10**

**Maintainance and Evalution**

**CHAPTER-10 Maintainance and Evalution**

**10. Introduction**

“Maintenance is the process of eliminating errors in the working system during its working life and to tune the system to any variation in working environment”. “By proper maintenance, system can bring to new standards”. “As my project is error free and produce no bugs for valid data”, “but I use feature to detect the errors and produce error messages understand by the experienced user and nonprogrammer user”.

“This phase occurs once the system is operational”. “Maintenance of software in software engineering is the modification of software product after delivery to correct faults”, “to improve performance or for other attributes”. “A common perception of maintenance is that it involves fixing defects”. “Maintenance is a broad activity that includes”:

* Error Correction
* Enhancements of capabilities
* Deletion of obsolete capabilities
* Optimization
* Fixing faults
* Resource management

“Change is inevitable, mechanisms must be developed for evaluation, controlling and making modifications”.

“Any work done to change the software after it is in operation is considered to be maintenance work”. “The main goal is to preserve the value of software over the time”.

**10.1 Importance**

“Maintenance is the integral part of software, which requires an accurate maintenance plan to be prepared during the software development”. “The plan should specify how the users will request modifications and report problems”.

“The key maintenance issues are both managerial and technical and key management issues are”: “alignment with customer priorities, staffing, which organization does maintenance”, “estimating costs”. “The key technical issues are”: “limited understanding, impact analysis, testing, maintain ability measurement”.

**10.2 Maintenance Processes**

Software Maintenance processes are:

* “The Software Maintenance process includes a maintenance plan which contains software preparation, problem identification, and find out about product configuration management”.
* “The problem analysis process includes checking validity”, “examining it and coming up with a solution and finally getting all the required support to apply for modification”.
* “The process acceptance by confirming the changes with the individual who raised the request”.
* “The platform migration process, which is used if software is needed to be ported to other platform without any change in functionality”.

Some Software points affect maintenance costs are:

* Structure of software program
* Programming language
* Dependence on external environment
* Staff reliability and availability

**Chapter-11**

**Conclusion and Discussion**

**CHAPTER 11 CONCLUSION AND DISCUSSION**

**11.1. Future Scope of the Project**

Every system has some elements of improvement, whether new or existing. EasyKart provides its users a system that is fully developed and can cater to all their needs. But as already mentioned every system has some elements of improvement.

At present EasyKart does not provide online Payment for Orders. But in the future versions it can be ensured that payments can directly be made online by paying the money using Credit Card, Debit Card or Net Banking. Sale and Purchase of any Product can only happen after the verification of the package. Here **EasyKart** will ensure that both buyer and sellers are legitimate.

Account verifications can also be added in the future versions, where every account will be verified before it can actively transact on the portal. Users will also be asked to provide copies of their documents to verify their true identity.

Users will also be notified via the SMSes and/or emails, directly for any updation in their profiles, or whenever someone will show interest in their Packages. At present users can only notified via the telephonic calls.

**11.2. “Self-Analysis of Project Viabilities”**

Definitely, it's cheaper to use online Mobile shopping for both personal and business use because most of it is usually free”.

**11.3. “Problem Encountered and Possible Solutions”**

* **“Hardware Limitations”**

“The only limitation posed is when the disk space is exhausted. And it can be solved by extending the disk space”.

* **Internet speed**

**“**Internet connection speed should be minimum 128 kbps”.

**11.4. Summary of Project work**

“In whole procedure to prepare project, we first gather the requirement of the project and decide the time schedule”. “After planning we design the documentation of project”. “After the design, we generate the code of system”. “In design, the code we do the error estimation and effort estimation”. “If error is occuring then solve it”. “Finally, when code is designed then test the project and decide the cost of project”.

**References/Bibliography**

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**Web Links:**

* [www.](http://www.infosurv.com)google.com
* www.wikipedia.com
* www.project-management-basics.com