

# **ADVANCED SHOPPING CART**

## **(SHOPPING WEBSITE)**

Submitted in partial fulfillment of requirements for the award of degree of

**BACHELOR OF ENGINEERING**  
**IN**  
**COMPUTER SCIENCE & ENGINEERING**



*Shalini Kumari*

A small rectangular box containing a blue ink signature of the name 'Shivansh Raheja'.

**Submitted to:**  
**Er. Shalini Kumari**  
**(e10593)**

**Submitted by:**  
**Shivansh Raheja.**  
**UID- 20BCS5687**

**Mentor Signature**  
**Er. Shalini Kumari(e10593)**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**Chandigarh University, Gharuan.**

## **CERTIFICATE**

This is to certify that the work embodied in this project entitled "**ADVANCED SHOPPING CART**" has been submitted by "**SHIVANSH RAHEJA**" with UID – "**20BCS5687**" of 1<sup>st</sup> year for the partial fulfilment of the requirement for the degree of "**Bachelor of Engineering in Computer Science& Engineering**" discipline in "**Chandigarh University**" during the academic session February-June 2021 is a record of bonafide piece of work, carried out by each student under my supervision and guidance in the "**Department of Computer Science & Engineering**", Chandigarh University.

**Approved and guided by:**

**Project Mentor and Teacher: Er. Shalini Kumari (e10593)**

## **ACKNOWLEDGEMENT**

- First of all, we would like to appreciate to thank the **Almighty** for bestowing his blessings upon us and over the successful completion of our project, and also keeping us healthy throughout.
- Secondly, I would like to thank and express my heartiest gratitude towards my project mentor, **Er. Shalini Kumari** who helped and guided me at each and every step in completing our project.
- Without her guidance, we shall not have succeeded in our project successfully.
- Finally,I would like to thank my institution, i.e. "**Chandigarh University**" for giving me such fortunate opportunity to showcase my talent through this project and I have gained a lot of knowledge about spring framework and web development throughout the making of this project.
- I would also like to take an initiative to thank my fellow **group members** that contributed equally in the completion of this project before the time felt short.

## **DECLARATION**

I **Shivansh Raheja** the student of Chandigarh University of the branch "**Bachelor of Computer Science & Engineering**", 2<sup>nd</sup> semester of the session: February-June 2021, hereby declare that the work presented in this project report entitled as "**ADVANCE SHOPPING CART**" is the **outcome work of mine and** the members of my group. It's correct to the best of my knowledge and has been carried out by keeping in mind the ethics of Engineering. The work presented here is our own original work and has not been submitted to any university or anywhere else for the award of any degree or any professional diploma.

### **Student detail and signature:**

**Name- Shivansh Raheja  
UID- 20BCS5687**

### **Signature**



### **Approved and guided by:**

**Project Mentor and Teacher: Er. Shalini Kumari (e10593)**

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## **1) INTRODUCTION**

### **1.1) ABOUT ADVANCE SHOPPING CART:**

The project Advance shopping cart is a public hosted website designed with the help of various programming languages such as html, php, CSS and SQL. The project is basically front and back end connected which lets the user to fetch the data such as description of any product, price of the product as well as its rating provided by the website holder and other customers.

This web service provides the user with an interface where they can find out every detail about a particular product and can also buy it. The web server will also make the website holder accountable of all the information about a particular product as well as the flexibility of the site and its functions. Thus, the web service is user friendly.

### **1.2) FIELD OF PROJECT**

This project falls under the category of Web Development. Web services that once gets deployed on server can run on any browser that can be accessed on any device.

### **1.3) TECHNOLOGY USED**

We have used various applications as well as various resources in order to build this project , some of which are:-VS code, Xampp server, Github repository , Phpmyadmin and MYSQL database in order to have a smooth connectivity with different types of files.

## **2) PROJECT OVERVIEW.**

### **2.1) METHODOLOGY/PLANNING OF WORK**

**Requirement analysis and gathering:** Collecting the set of data and maintaining it in the database we will be working on. Analysing how user should interact with the web service in a relevant and effective way. The number of parameters and type of parameters required to provide error free result.

**UI Design:** It includes designing and creating the web application in a clean way with a simple UI so that the user doesn't require any training for operating this web service. Also, user doesn't face any kind of complexity in his/her experience.

**Front-End Development:** It includes managing everything that user visually see first in the web application. Separating and modelling different interacting actions. And developing bug free and clean front-end code to reduce UI crash possibilities. Creating as much less and easy screen navigation to have better performance.

**Back-End Development:** It includes managing the service side of the application and everything that communicates between the database and the REST API we are using for this web service.

**Integration:** It includes integration of API calls with module and actions decided at Front-end.

**Testing:** This process includes testing of various models and actions, calls with various location parameters as input.

### **2.2) MY CONTRIBUTION**

Since the project is group based it required the contribution of each and every member of the group. I **Shivansh Raheja** added my contribution in this project by programming the

- Component.php file.

As well as we all have provided the ideas for the main page by programming/coding certain blocks of our main file i.e “index.php”.

Further , the code written in the css file of our project has been completed by taking in consideration the point of view of our every team member.

### **2.3) INNOVATIONS IN PROJECT**

As a beginner in the programming world, we tried our best to innovate the project in such a way that it becomes user friendly ,making it easy to use for everyone without any prior knowledge about the interface. This project can help in creating a simple interface that can be accessed by all.

In addition to this we have tried our best to provide the user with the familiar front page so that the navigation through different pages is smooth and the functioning of different buttons is upto their expectation.

### **2.4) REQUIRED ITEMS (MY PART)**

- Html and CSS.
- Web Browser.
- Xampp server
- VS code/notepad

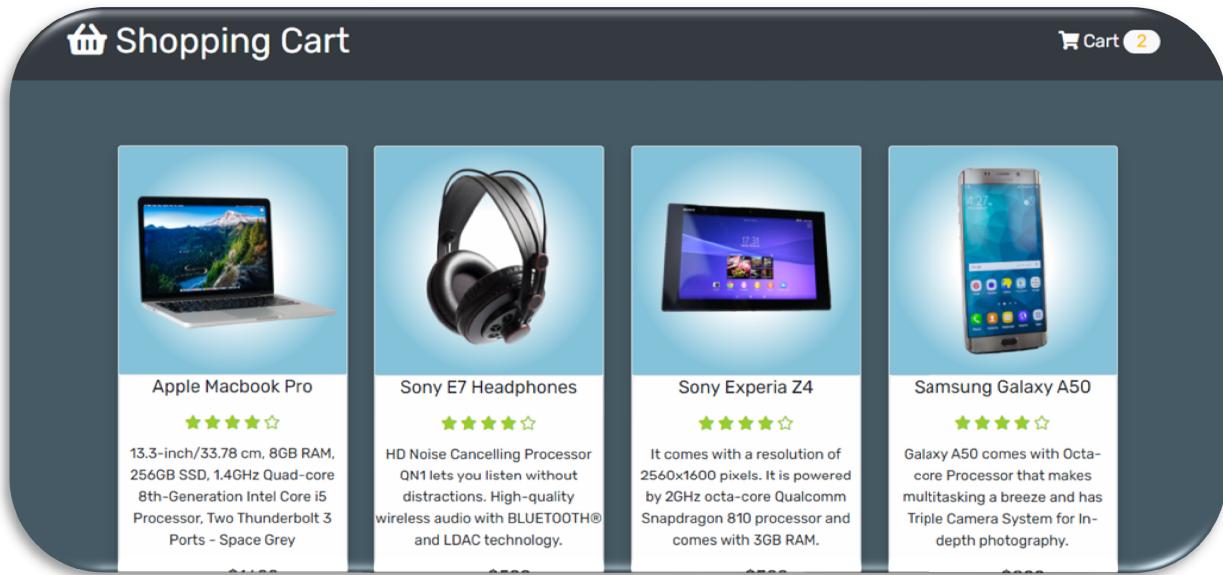
### **3) IMPLEMENTATION**

#### **3.1) INDEX.PHP**

This is the file required for the very first page that opens up whenever we enter the desired url ,also since this file is contributed by different team members we have ensured that there is no bug or glitch in any of the code block.

Further, we have also used the debug console in order to verify the code written in that particular workspace.

The below images contain the actual home interface:



#### **3.2) MY CONTRIBUTION**

As per my contribution ,I have tried my best to comply with the requirements of this project. Thus , I have provided my team members with “component.php” file which has code written in both html and php language.

In this code I have provided a component function with different arguments and had further started different divisions {<div>} just to place the block of code with the perfect layout.

In addition to this, I have also given alert for different buttons present on our site such as:-

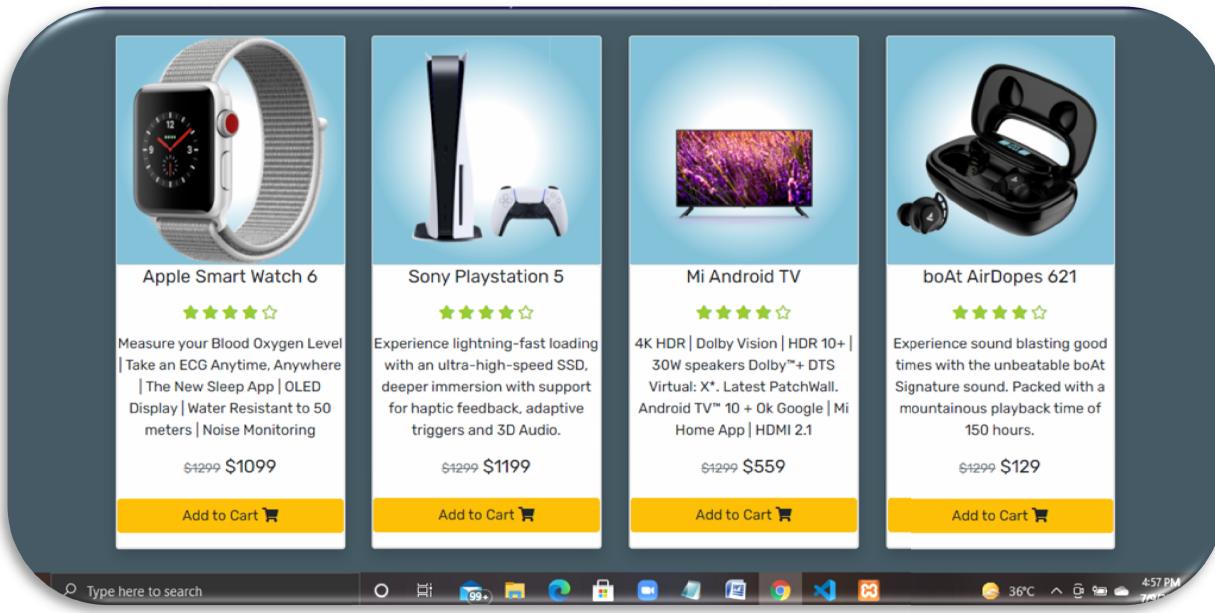
Add to cart, Add to wishlist etc.

This has not only made the user interface friendly but also more flexible.

## The snippet of the code

```
File Edit Selection View Go Run Terminal Help • component.php - Untitled (Workspace) - Visual Studio Code  
1 agein.html cart.php index.php footer.php component.php createDBc.php # sty  
tutorial > shopping > php > component.php  
1 <?php  
2  
3 function component($productname,$productprice,$productimg,$productid,$productdesc){  
4     $element="  
5         <div class=\"col-md-3 col-sm-6 my-3 my-md-4\">  
6             <form action=\"index1.php\" method=\"post\">  
7                 <div class=\"card shadow\">  
8                     <div>  
9                         <img src=\"$productimg\" alt=\"Image1\" class=\"img-fluid card-img-top\">  
10                    </div>  
11                    <div class=\"card body\">  
12                        <h5 class=\"card-title\">$productname</h5>  
13                        <h6>  
14                            <i class=\"fas fa-star\"></i>  
15                            <i class=\"fas fa-star\"></i>  
16                            <i class=\"fas fa-star\"></i>  
17                            <i class=\"fas fa-star\"></i>  
18                            <i class=\"far fa-star\"></i>  
19                        </h6>  
20                        <p class=\"card-text\">  
21                            $productdesc  
22                        </p>  
23                        <h5>  
24                            <small><s class=\"text-secondary\">$1299</s></small>  
25                            <span class=\"price\">$productprice</span>
```

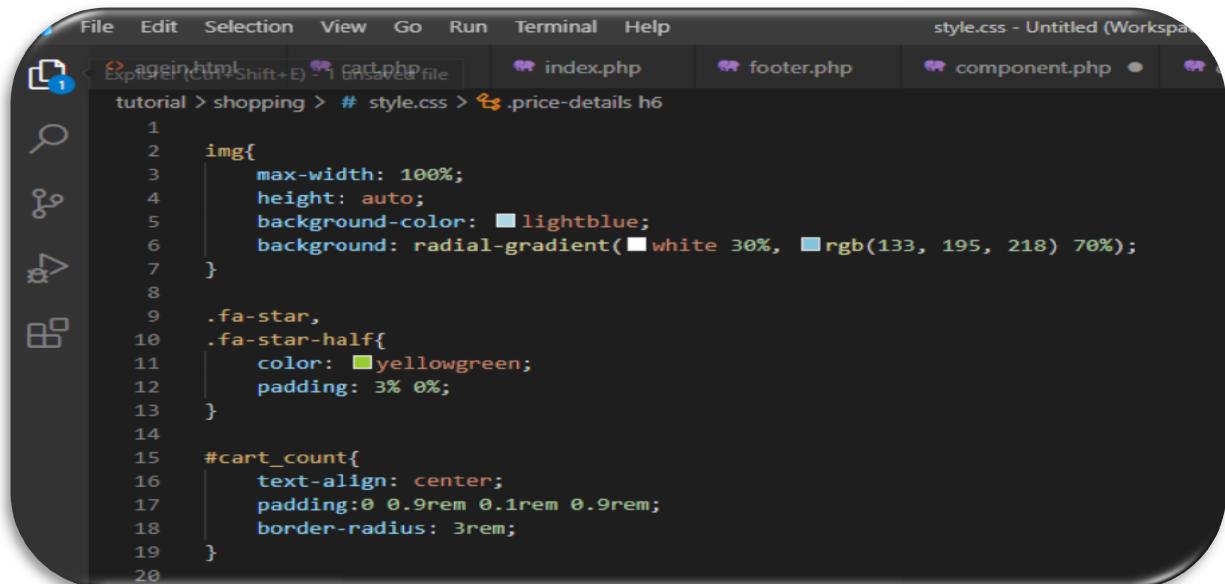
### **The snippet of the added features**



### **3.3) THE CSS FILE.**

All the group members have tried their best to provide the site with the correct colours as well as with the recognizable stuff. Thus, we all have provided some instances of code for the “style .css” file which are further used to provide the contrasting atmosphere to our site.

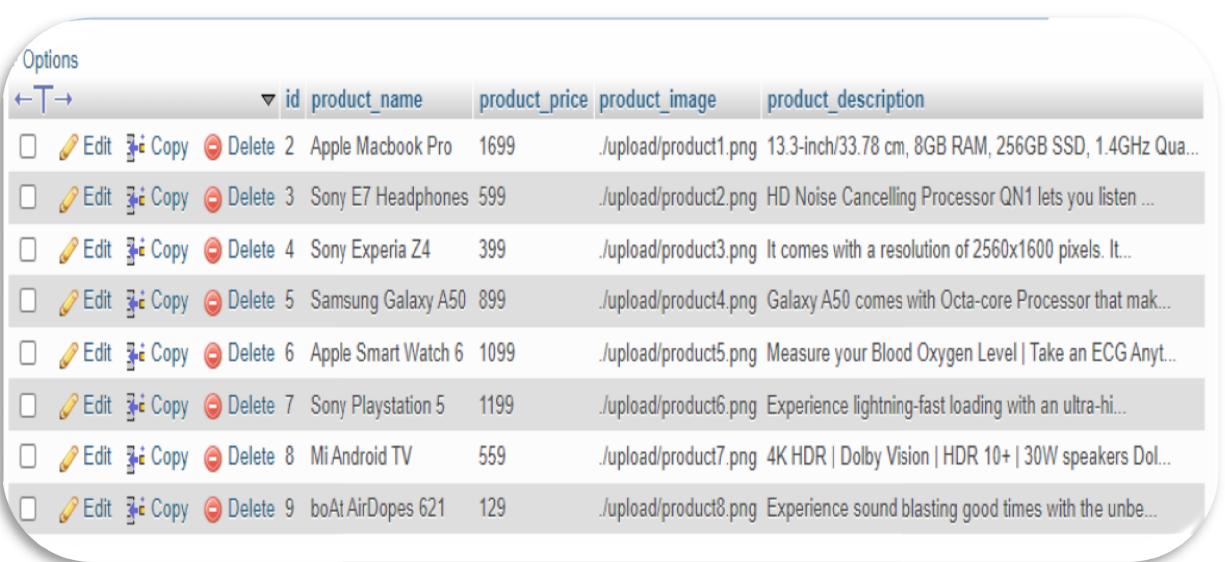
#### **Snippet of the code:-**



The screenshot shows a code editor window with a dark theme. The title bar reads "style.css - Untitled (Workspace)". The left sidebar has icons for search, refresh, and file operations. The main area displays the following CSS code:

```
File Edit Selection View Go Run Terminal Help
style.css - Untitled (Workspace)
tutorial > shopping > # style.css > .price-details h6
1
2   img{
3     max-width: 100%;
4     height: auto;
5     background-color: # lightblue;
6     background: radial-gradient( # white 30%, #rgb(133, 195, 218) 70%);
7   }
8
9   .fa-star,
10  .fa-star-half{
11    color: #yellowgreen;
12    padding: 3% 0%;
13  }
14
15  #cart_count{
16    text-align: center;
17    padding: 0 0.9rem 0.1rem 0.9rem;
18    border-radius: 3rem;
19  }
20
```

#### **Snippet of the main database:-**



The screenshot shows a database table with the following columns: id, product\_name, product\_price, product\_image, and product\_description. The table contains 9 rows of data, each with a checkbox, edit, copy, and delete link. The data is as follows:

id	product_name	product_price	product_image	product_description
2	Apple Macbook Pro	1699	./upload/product1.png	13.3-inch/33.78 cm, 8GB RAM, 256GB SSD, 1.4GHz Qua...
3	Sony E7 Headphones	599	./upload/product2.png	HD Noise Cancelling Processor QN1 lets you listen ...
4	Sony Xperia Z4	399	./upload/product3.png	It comes with a resolution of 2560x1600 pixels. It...
5	Samsung Galaxy A50	899	./upload/product4.png	Galaxy A50 comes with Octa-core Processor that mak...
6	Apple Smart Watch	1099	./upload/product5.png	Measure your Blood Oxygen Level   Take an ECG Anyt...
7	Sony Playstation 5	1199	./upload/product6.png	Experience lightning-fast loading with an ultra-hi...
8	Mi Android TV	559	./upload/product7.png	4K HDR   Dolby Vision   HDR 10+   30W speakers Dol...
9	boAt AirDopes	621	./upload/product8.png	Experience sound blasting good times with the unbe...

## **4) APPLICATIONS**

The application of the website comprises of the following:

- Simple Design.
- User Friendly.
- Provides user with an interface where they can simply navigate from the main page and the cart items.
- Different functional buttons for the the different needs of our customers.
- Provided the user with the concept of how shopping carts work.
- The navigation from the main page to the cart items can be achieved by tapping on the logos of our site.

## **5) CONCLUSION**

- Successfully made this project with the help of my team members as well as with the help of our mentor who guided us throughout our journey and motivated us to do better and better every time.
- We have successfully displayed the functioning of shopping carts using different languages and softwares.
- We have also used the concepts of both the subjects i.e “web development” and “DBMS”.
- Successfully connected the front-end with the back-end using Xampp server that has an inbuilt feature of “phpmyadmin” and “MYSQL”.
- Moreover, we have kept all the details in our mind regarding the representation of our main with all the recognizable icons and buttons which makes it easy for the user to continue with his/her work.

## **6) BIBLIOGRAPHY**

**Download xampp server- : <https://www.apachefriends.org/>**

**Download vs code-: <https://code.visualstudio.com/>**

**Project reference-:**

**[https://github.com/akashyap2013/Advance Shopping cart/](https://github.com/akashyap2013/Advance_Shopping_cart/)**

**Youtube resource-:**

**<https://www.youtube.com/channel/UCrG2Z0usOCCdUTAr4D1A8mw>**