



Documentation

Deliverable C - Customer browsing

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Date: 1-11-2022

Website: sw-sport-shop.epizy.com/DeliverableC/display.php

Documentation and planning

Section G - Testing requirements for deliverable C

Give an example of a bug you found and the process you took to debug the code.

- SQLSTATE[HY000] [2002] No such file or directory error was fixed by including “./settings/db.php” in all the files that connect to the database.
- URLs to some pages did not work properly in the Web host. This bug was fixed by defining updated URLs based on the parent’s folder “/DeliverableC/...”
- Items could not be viewed after searching them. Fixed by getting the itemId of products from the database in the “search.php” class

Section H - Documentation:

What are the benefits of using object-oriented programming when developing an application?

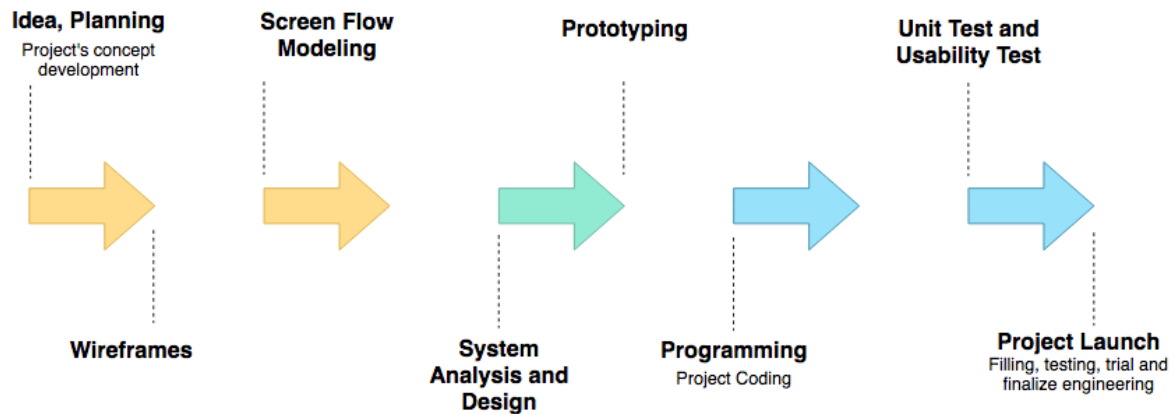
- Writing fewer codes by using inheritance, prevents repeated codes
- Troubleshooting is much easier
- Code Flexibility by using the Polymorphism concept
- Problems can be solved easily because a program breaks the problem into smaller pieces
- Most of the time, it increases the running time of the program
- Data Redundancy: reduces the repetition of functions

Why is it important to do some analysis and design before starting to code?

- Codes that are cleaner and easier to understand
- Bug Fixing: troubleshooting and debugging take less time and effort
- Prevent rewriting code
- Easier to maintain in the future development

How can wireframes, storyboards and prototypes assist when planning, designing and building the website?

- Using a visual scenario, obtain the customer's consent about the requirements so they can be used as a confirmation of the project's requirements and user features.
- Map out the functionality of the pages, catch problems early, and save time on revisions later.



Describe why a MySQL database has been utilised in this project, what other alternatives are there?

Using MySQL, we have a dynamic website that can communicate with the website and process requests. MySQL database plays a vital role in the back-end of the website. This is because the site's data is loaded there and it actively fetches it. It organizes data into tables consisting of many rows and columns that can be accessed easily. Users are able to receive answers to their questions quickly and easily. It increases the site's data security.

Alternatives:

- Implement login and sign-in features that will make the website more accurate and user-specific.
- Add different products to the shopping cart.
- Keep customers' information, such as their address and phone number, in case an issue arises.

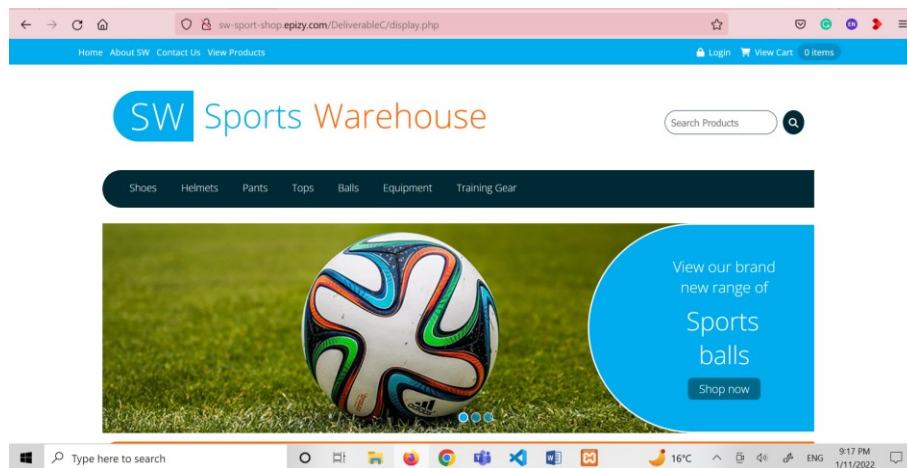
Create a checklist for each of the requirements to be used for testing

- Contact Us form work properly and handle invalid inputs✓
- Every element of web site should function as expected✓
- Cross browser compatibility in Chrome, Edge, and Firefox

○ Chrome✓



○ Firefox✓

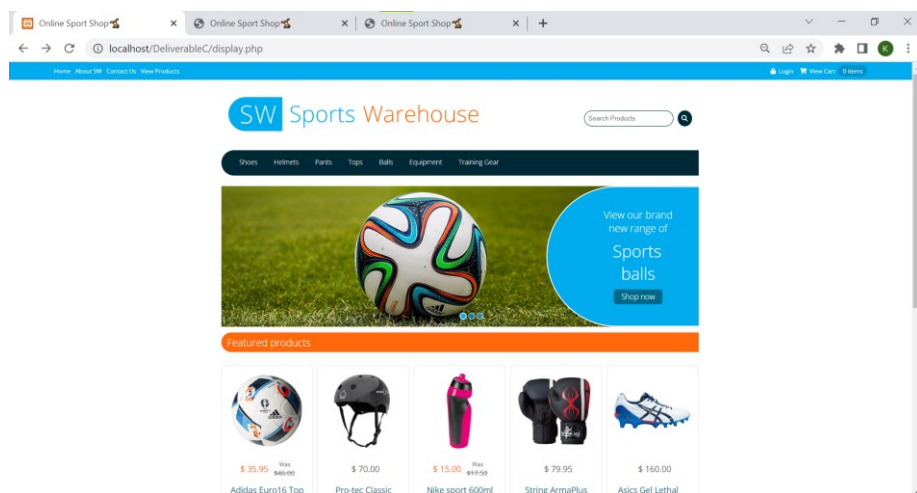


○ Edge✓



- A MySQL database is setup, and the PHP code connects to it with the correct credentials:
 - Username, password and DSN address are correct and is based on the web host✓

- Include "./classes/DBAccess.php" and "./settings/db.php" in every PHP classes that need to retrieval the data from database✓
- Data for the database is imported into the tables
 - Import sportsws database file from phpMyAdmin both in localhost and web server✓
 - Check if SQL queries work properly in SQL section of phpMyAdmin
- Test the database connection works on both the local web server (XAMPP) and the remote web server (Web host)
 - Create "db.php" file that contains the database settings for the application. It detects if the application is running locally or on a remote server and then the correct database settings are set✓
 - Work on local web server✓

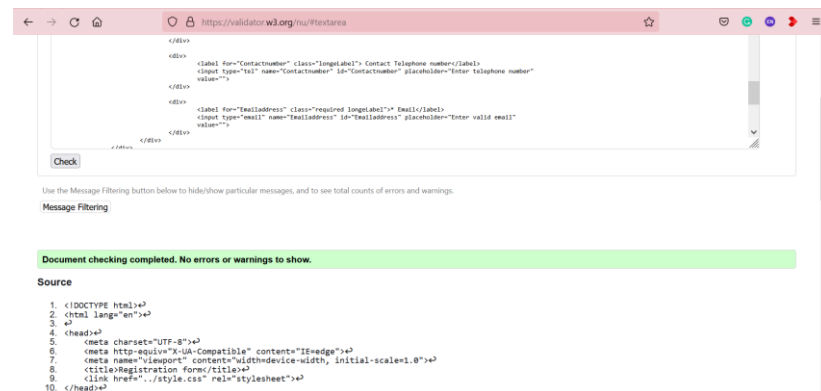


- Work on remote web server✓



- Create a class which will handle the database connection and retrieval of data
 - DBAccess class do following functions:
 - Setup the database connection details✓
 - Connect to the database✓

- Disconnect from database✓
 - Execute SQL query and returning back rows✓
- Create a layout template which contains the common elements of the web pages
 - Contain Header, Menu navigation, logo, search bar, featured products section, brands section, footer navigations, and footer✓
- Identify and create templates to separate the user interface from the programming logic
 - Templates folder contains this classes as follows:
 - Main category and other category in footer
 - Display missing fields and confirmation message for Contact form
 - Main layout of the web site
 - Registration and search forms
 - Products that display in the featured products section
 - Item that viewing after clicking by user
- The website validates against W3C HTML 5 and CSS
 - W3C HTML 5✓



- W3C CSS✓



Section I - Wireframes

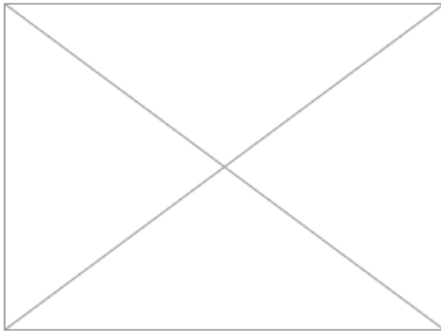
Create a wireframe/storyboard to demonstrate the customer purchasing functionality.

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Online Sport S

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http://sw-sport-shop.epizy.com/DeliverableC/display.php



\$70.00

Pro-tec Classic
Skate Helmet

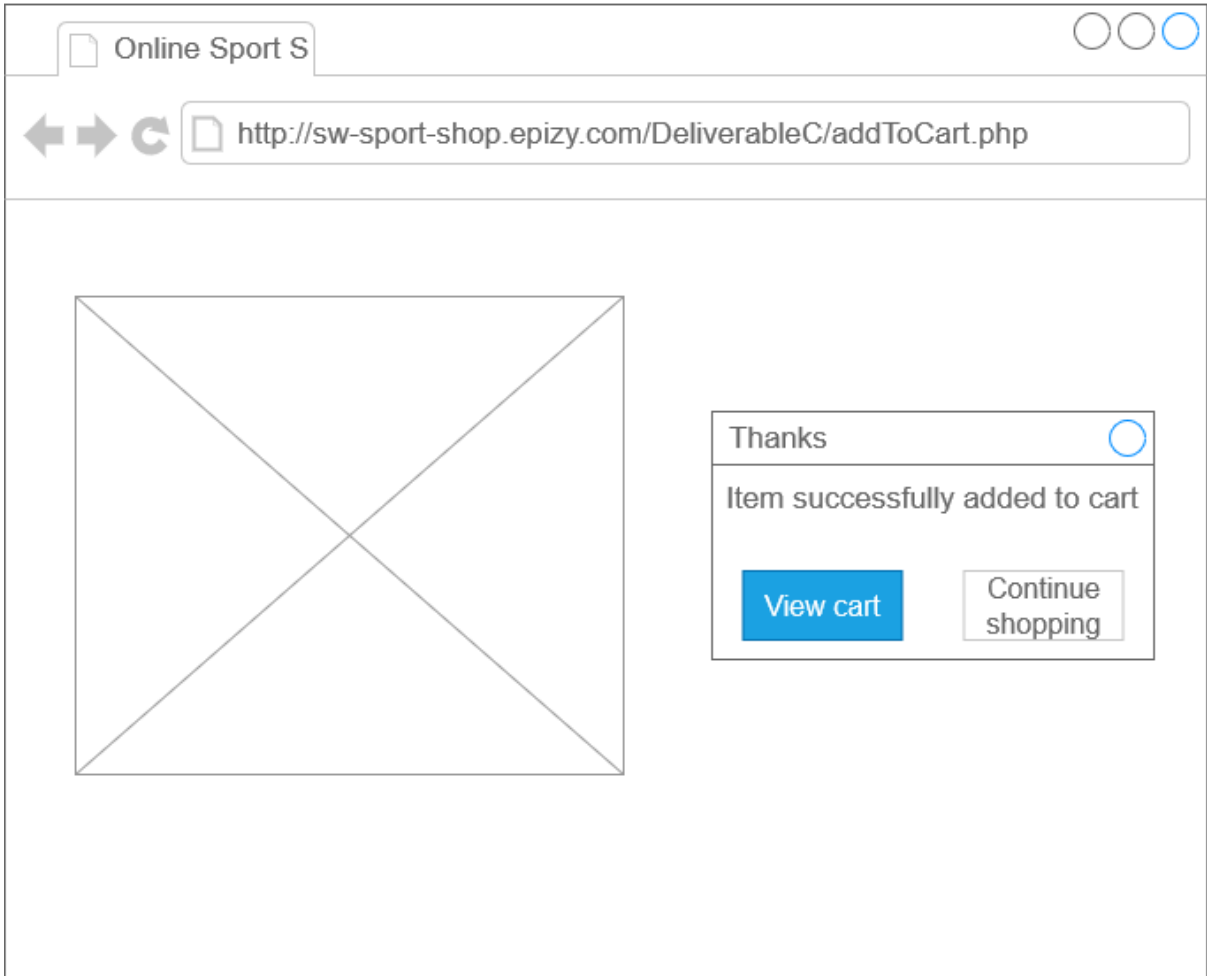
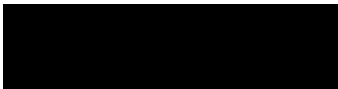
Get the classic Pro-Tec look with
proven protection. Shop a wide
range of skate, bmx & water
helmets online at Pro-Tec Australia.

Size





Select Size ▼

1 ▲ ▼

Add to cart



Online Sport S

 http://sw-sport-shop.epizy.com/DeliverableC/viewCart.php

Cart

Please filling out following details to confirm your shooping

First name

Last name

Contact number

Email




Delivery address

Summary

Total: \$70.00

Checkout

Online Sport S

Payment

Please filling out following details to pay

Credit card number

Expiry date

<

October 2014

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Mo	Tu	We	Th	Fr	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

Name

Summary

Total: \$70.00

Pay



<http://sw-sport-shop.epizy.com/DeliverableC/pay.php>

Payment

Please filling out following details to pay

Credit card number

Expiry date
Mo Tu We Th Fr Sa Su

Thanks

Item Successfully purchased.

Continue shopping

OK

Pay