



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

ABILITY ENHANCEMENT COURSE PROJECT REPORT

for

WEB DESIGN TECHNOLOGIES (21CSE422A)

on

TOY STORE

Submitted by

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Academic Year: 2022-2023



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CERTIFICATE

This is to certify that the Ability Enhancement course project work titled

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ADRIAN MATHEW ALOYSIUS,1NH21CS011, SEM-SEC: 4-A

EVEN SEMESTER 2022-2023

For

COURSE: WEB DESIGN TECHNOLOGIES (21CSE422A)

Signature of Reviewer

Signature of HOD

ABSTRACT

Toys hold a special place in the hearts of people of all ages, evoking memories of joy, curiosity, and endless fun. These cherished playthings are not just objects; they are gateways to imagination, learning, and the development of essential life skills. Toys are powerful educational tools that promote strategic thinking and cooperation that complements formal education. With such value added to toys building a website to spark young minds is the motivation of the ‘Toy Quest’ forum. This forum provides room to explore a treasure trove of figurines and an interesting description of these toys. The latest trending toys are portrayed to get the attention of enthusiastic visitors. The store doesn’t stop at showcasing products but provides various subscription perks and surprises. With convenience, free shipping, 24/7 support, customers are persuaded to click that ‘Add to Cart’ option and get their orders placed. No service is complete without hearing the feedback from visitors. The store provides a platform to get ratings and messages from curious ‘Explorers’.

ACKNOWLEDGEMENT

The satisfaction and euphoria that accompany the successful completion of any task would be impossible without the mention of the people who made it possible, whose constant guidance and encouragement crowned our efforts with success.

I have great pleasure in expressing gratitude to **Dr. Mohan Manghnani**, Chairman, New Horizon Educational Institutions, for providing necessary infrastructure and creating good environment.

I take this opportunity to express my profound gratitude to **Dr. Manjunatha**, Principal, New Horizon College of Engineering, for his constant support and encouragement.

I would like to thank **Dr. R J Anandhi**, Professor and Dean-Academics, NHCE, for her valuable guidance.

I would also like to thank **Dr. Rajalakshmi.B**, Professor and Head, Department of Computer Science and Engineering, for her constant support.

I also express my gratitude to **Mrs. Vidhya Vasanth**, Senior Assistant Professor, Department of Computer Science and Engineering, for constantly monitoring the development of the project and setting up precise deadlines. His valuable suggestions were the motivating factors in completing the work.

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1.0 INTRODUCTION

A toy store needs a website to showcase and sell their products to potential customers and unveil a captivating digital gateway to a world of imagination and play, bringing the enchantment of a toy store to the online realm. The website needs a meticulous design and thoughtful integration of elements that invites visitors to a diverse array of toys. As users traverse this digital storefront, they need to encounter an immersive experience that seamlessly blends aesthetics, functionality, and interactivity. With visually captivating background imagery to intuitive navigation and enticing product displays, the website should encapsulate the essence of joyful exploration and invite visitors to embark on a delightful adventure through the realms of toys and childhood wonder. Whether seeking to shop, discover trends, or engage in playful interaction, the forum should offer an enticing destination that bridges the gap between nostalgia and modernity, serving as a testament to the timeless allure of toys in a digital age.

1.1 OBJECTIVES

Here is a list of tasks that need to be accomplished –

1. **Login** – Provide a way for users to create an account and handle user authentication.
2. **User-Friendly Navigation** - Establish a user-friendly navigation system, including a header with a logo and a dynamic navigation menu. The menu should provide links to essential sections of the website, such as Home, Trending, Shop, Ratings, Contact, and a shopping cart.
3. **Attractive Homepage** - Include an engaging homepage with a captivating background image, welcoming headline, and introductory text. It aims to capture the user's attention and entice them to explore the website further.
4. **Product Showcase** - Present a comprehensive product showcase section where users can view various toy products. Each product listing includes an image, title, description, star ratings, and price. Users can also add products to their cart for purchase.
5. **Special Offers and Promotions** - Highlight special offers and promotions through visually appealing banners. These banners entice users with discounts, free shipping, and exclusive merchandise, encouraging them to engage further.
6. **Add to Cart** – Present a table with a list of selected items and price in users shopping cart with a summary of the total purchase.
7. **Email Subscription** - Integrate an email subscription form where users can input their email addresses and select their favourite categories. This feature enables users to receive updates and notifications about their preferred toys and general queries.
8. **Contact** - Include a comprehensive footer that provides essential contact information for the business. It lists the company's address, email addresses, phone number, and social media links and include a form for users to send messages to the company.
9. **Branding and Copyright** - Establish a consistent brand identity for "Toy Quest" by incorporating its logo and brand colours throughout the website. Additionally, include copyright information to protect the intellectual property of the website content.

10. **Rating Submission Form** – Create a webpage that includes a form for users to submit ratings based on various criteria related to the services provided. Each criterion has an associated input field that allows users to enter a rating from 0 to 5.

1.2 METHODOLOGY

The website follows the layout of a typical e-commerce website. PHP is used to redirect the user to a login page if they are not logged in and store the information in an online MySQL server namely phpMyAdmin and handle the backend for user authentication. HTML is used for defining the basic structure of the webpage and organize the website's content. The basic outline of the webpage consists of a header and navigation followed by content sections and product display and a footer. CSS is used to style and define the appearance of the various elements of the webpage. A grid layout is predominantly used to show product images, titles and descriptions. Flexbox and positioning properties are used to control the alignment of elements. A responsive design is used to adapt the layout and styles for different screen sizes particularly mobile devices. JavaScript is used in product display for dynamic changing of images and also in the Cart section for dynamic change in price based on quantity selected.

1.3 EXPECTED OUTCOMES

1. Global Styling and Header:

- The webpage will have a sticky header at the top, containing a logo and a navigation menu.
- The header will have a background colour (#e3e6f3) and a box shadow.
- The logo will have a specific width and will be vertically centred within the header.
- The navigation links will have an underline animation on hover.

2. Content and Sections Styling:

- The main content sections will have a background image and specific positioning to centre them vertically on the page.
- The headings and paragraphs in the content will have certain font sizes, colors, and margin adjustments.
- Buttons will have a transparent background, border, and bold text. They will change colour and expand on hover.
- Different sections will have specific padding, margins, and background images, creating a visually appealing layout.

3. Shop and Product Details Sections:

- The shop banner will have a background image with a gradient overlay and centred text.
- Product thumbnails will be displayed in a row, with each thumbnail having a circular border on hover.
- The product details section will have a column layout for the main product image, name, it's ratings, price, shopping cart icon and description.
- Input fields and buttons will be styled with specific colours and sizes.

4. Banners Section:

- Three boxes with different perks: “Subscription Perks”, “Unwrap Joy” and “Secure your spot”

5. Email Subscription Section:

- A form for users to input their email address and favourite toys for updates.
6. **Footer Section:**
 - Contact information and address of the store.
 - Social media icons.
 - Copyright notice: "TOY QUEST © 2023 - All Rights Reserved."
 7. **Rating Section:**
 - The rating section will have a background image with a gradient overlay.
 - Ratings will be displayed in a table, with alternating row colours.
 - Ratings will include user names, comments, and star ratings.
 8. **Contact Section:**
 - The contact section will have a background image with a gradient overlay.
 - Contact information will be displayed in a column layout with icons.
 - The contact form will have input fields and a submit button styled with specific colours and sizes.
 9. **Cart Section:**
 - The cart section will display cart items in a table format.
 - Each cart item will include a product image, name, quantity input field, price, and total.
 - The total price will be calculated and displayed below the table.
 - A "Checkout" button will be styled with specific colours and sizes.

1.4 HARDWARE AND SOFTWARE REQUIREMENTS

HARDWARE REQUIREMENTS:

Computer: A standard personal computer or laptop is sufficient with a resolution of 1024x768 or higher is recommended for a comfortable viewing experience.

SOFTWARE REQUIREMENTS:

Text Editor or IDE: You'll need a text editor or IDE to write, edit, and manage your HTML and CSS code. Some of the popular options are Visual Studio Code, Sublime Text, Atom or Notepad++

Web Browser: To view and test HTML, CSS code we need a modern web browser such as Google Chrome, Mozilla Firefox or Opera.

Local Server: PHP, Web server like XAMPP to run PHP scripts and serve web pages, Live server extension for VSCode

Database Client: Software tool like phpMyAdmin to handle the administration of a MySQL web-based database server.

Font-awesome library for icons

2.0 WED DESIGN TECHNOLOGIES USED

HTML: HTML is the foundation of web pages and structures the content on the page. Semantic HTML is used to provide meaning and structure the page into different sections, divisions and headings. Internal and External links have been used for easy navigation of the website. Lists have been used in the navigation and footer section. The contents section has been divided into different container classes to showcase each product with its name, star icons for ratings and price. Forms have been used with link to a google sheet to get various types of inputs like text and numbers from users. Tables have been used to get ratings and give structure to the add to cart section.

CSS: The CSS code is responsible for defining how various elements on the webpage should be presented visually to the user. It is used to define the layout, colours, typography, spacing, and other visual aspects of the webpage. Some of the CSS technologies used are:

Responsive Design: The use of percentage-based widths, flexible units, and media queries suggests that the webpage is designed to be responsive, meaning it can adapt to different screen sizes and devices. Media queries are used to apply different styles based on the device's screen width.

Flexbox and Grid Layout: The code uses the display: flex property and justify-content to align and distribute items within a container. It also uses the grid layout to arrange elements in a grid structure. Both Flexbox and Grid Layout are modern CSS layout techniques.

Background Images and Gradients: Background images and gradients are used to create visually appealing backgrounds for sections and banners on the webpage. The background-image property is used to apply images as backgrounds, and linear-gradient is used to create gradient overlays.

Positioning: The position property is used to control the positioning of elements on the webpage. Elements are positioned absolutely and relatively to create desired layouts, such as sticky headers and centred content. Specifies even how overflowed content should be displayed.

Box Model and Box Shadow: Various properties like margin, padding, width, height, border, border-radius are used to provide a box model structure. The box-shadow property is used to apply shadow effects to elements, providing a sense of depth and visual interest.

Typography: Fonts are styled using the font-family, font-size, font-weight, and line-height properties to control the appearance of text. The code also uses text styling properties like text-transform to transform to uppercase or lowercase, text-decoration to add underline or line-through text and text shadows for decorative effects.

Transitions and Animations: The transition property is used to create smooth transitions between different styles, such as changing the width of navigation links on hover. The @keyframes rule is used to define a custom animation for colour changes.

Pseudo-classes and Pseudo-elements: Pseudo-classes like :hover and :active are used to apply styles to elements when they are interacted with. Pseudo-elements like ::after and ::before are used to add decorative elements to certain elements, such as the underlines in navigation links.

Media Queries: Media queries are used to apply different styles based on the screen width or other device characteristics. This is essential for creating a responsive design that works well on various devices.

Button Styles: The CSS is used to style buttons with specific padding, colours, and hover effects to make them visually appealing and interactive.

Colour Gradients: The linear-gradient function is used to create colour gradients for backgrounds, giving a modern and dynamic look to various sections.

Tables and Forms styling: Uses border-collapse to determine whether table border should be collapsed, table-layout to specify how table cells should be sized. Styling provided for input and text area elements.

JAVASCRIPT: Inline- JavaScript is used to provide some dynamism to the web page and edit HTML elements.

Event Handling and Document Object Model: It is particularly used in the product details section to set up the functionality of basic image gallery. It enables user to click on smaller thumbnail images and display the corresponding larger version of the selected image in a larger container. So, when the thumbnail is clicked the respective event handler function is executed and the ‘src’ attribute of the big image is updated to match ‘src’ attribute of the clicked thumbnail image.

Another instance of JS event-handling is used in the Add to Cart section. We retrieve the base prices from the table data elements and convert to floating point numbers and also fetch the user-input quantities. Event listeners are added to the input elements for each product quantity which respond to the increment/decrement of the number (quantity) input and calculate the price and update the value of the sub total and final bill accordingly.

PHP: PHP allows us to create dynamic content and interact with databases.

User-Authentication: PHP is used to check if a user is logged in. If not, then it redirects the user to a login page. If user logs out then the session is destroyed and effectively logging the user out and the user is redirected to login page after logging out.

Database Connectivity and User-Registration: A database connection is established using mysqli_connect (). The connection parameters include the hostname, username, password, and database name. Check the database to make sure a user does not already exist with the same username and/or email. If not, then an INSERT query is used to add the user's data to the users table in the database.

Login Form with validation: Checks if either username or password fields are empty. If yes, then appropriate error message is displayed. If user with matching credentials is found then user's session is initiated and a user is redirected to proto3.php which the home page of website.

3.0 DESIGN

The design goals of the website appear to centre around providing an intuitive and engaging user experience for an online shopping platform. The website aims to create an aesthetically pleasing and visually cohesive interface, utilizing modern web design principles to ensure ease of navigation and interaction. By employing a responsive design approach, the site seeks to deliver a consistent and seamless browsing experience across various devices and screen sizes. The incorporation of dynamic features, such as image switching on product selection and real-time price calculations based on user input, underscores the goal of enhancing user interactivity and convenience. Furthermore, the use of clear typography, well-organized content sections, and strategic placement of elements contributes to the overall user-friendliness of the site. Ultimately, the design endeavours to facilitate a seamless shopping journey, effectively presenting products and their details while enabling users to effortlessly customize quantities and view updated pricing information, thus fostering a satisfying and efficient online shopping experience.

3.1 DESIGN GOALS – PRECISE FLOWCHART

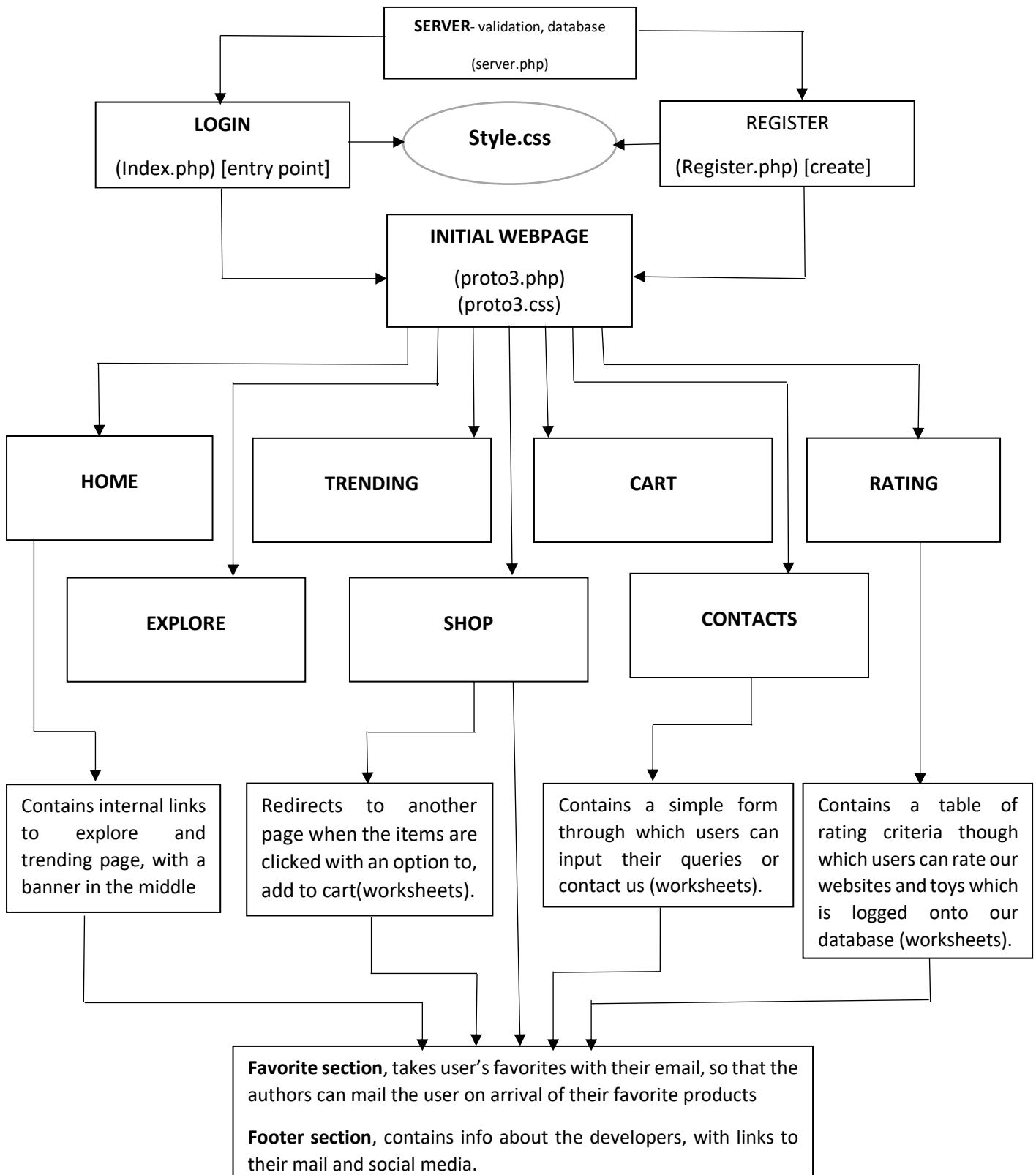


Fig 3.1 - Flowchart

3.2 DESIGN GOALS – ALGORITHM

STEP 1: Write a code that handles user registration and login. During registration, it validates input, checks for existing users, encrypts passwords, and inserts user data. During login, it verifies user input, checks credentials, and establishes sessions for successful logins.

STEP 2: Write another code that handles user login. Upon form submission, it validates the presence of both username and password fields, storing validation errors in the \$errors array. The login form is displayed, and if validation errors exist, they are shown below the form

STEP 3: A code is written that renders a user registration form, allowing users to input their desired username, email, and password. Upon form submission, it includes server-side validation using the 'server.php' script to handle input validation, error tracking, and registration. If validation errors occur, they are displayed beneath the form fields, and users can click the provided link to access the login page.

STEP 4: A code is implemented that establishes a connection to a MySQL database, retrieves user data including IDs, usernames, emails, and images from the 'users' table, and displays this information along with the corresponding images in an HTML format. If there are no results, it prints "0 results".

STEP 5: A code snippet is used which checks if the \$errors array contains any items, and if so, it displays each error message within a styled HTML <div> element.

STEP 6: The website is divided into 8 parts, where the first 3 parts (Home, Explore, Trending) is internally linked to each other with a common footer for all. CSS is implemented to make the webpages more appealing. It also contains an input section where users input their favorites and email which is connected to google worksheets from where the user data is mined.

STEP 7: The Shop page contains a bunch of products which when clicked opens up another page which give a more nuanced view on the product which an add to cart option, which again is connected to worksheets.

STEP 8: Rating page is a unique way of user review where the user's rate the website on a bunch of criteria which is logged onto the worksheets.

STEP 9: Contact page is used to connect users with the comm committee. Here users can ask for queries, reviews or notes of appreciation or areas to get better at.

STEP 10: Cart page is a fun way to increment or decrement items and generate the accurate bill. This is done with the help of java script. It retrieves base prices, listens for input changes, calculates the updated values for each item, recalculates the total bill and updates final values.

4. IMPLEMENTATION

```

cart.html    server.php X
: > xampp >htdocs > WDTProject > server.php
1 <?php
2 session_start();
3
4 // initializing variables
5 $username = "";
6 $email = "";
7 $errors = array();
8
9 // connect to the database
10 $db = mysqli_connect('localhost', 'root', '', 'wdtproject');
11
12 // REGISTER USER
13 if (isset($_POST['reg_user'])) {
14     // receive all input values from the form
15     $username = mysqli_real_escape_string($db, $_POST['username']);
16     $email = mysqli_real_escape_string($db, $_POST['email']);
17     $password_1 = mysqli_real_escape_string($db, $_POST['password_1']);
18     $password_2 = mysqli_real_escape_string($db, $_POST['password_2']);
19
20     // form validation: ensure that the form is correctly filled ...
21     // by adding (array_push()) corresponding error unto $errors array
22     if (empty($username)) { array_push($errors, "Username is required"); }
23     if (empty($email)) { array_push($errors, "Email is required"); }
24     if (empty($password_1)) { array_push($errors, "Password is required"); }
25     if ($password_1 != $password_2) {
26         array_push($errors, "The two passwords do not match");
27     }
28
29     // first check the database to make sure
30     // a user does not already exist with the same username and/or email
31     $user_check_query = "SELECT * FROM users WHERE username='$username' OR email='$email' LIMIT 1";
32     $result = mysqli_query($db, $user_check_query);
33     $user = mysqli_fetch_assoc($result);
34
35     if ($user) { // if user exists
36         if ($user['username'] === $username) {
37             array_push($errors, "Username already exists");
38
39             if ($user['email'] === $email) {
40                 array_push($errors, "Email already exists");
41             }
42         }
43     }
44
45     // Finally, register user if there are no errors in the form
46     if (count($errors) == 0) {
47         $password = md5($password_1); // encrypt the password before saving in the database
48
49         $query = "INSERT INTO users (username, email, password1, password2)
50             VALUES('$username', '$email', '$password_1', '$password_2')";
51         mysqli_query($db, $query);
52         $_SESSION['username'] = $username;
53         $_SESSION['success'] = "You are now logged in";
54         header('location: proto3.php');
55     }
56 }
57
58 // LOGIN USER
59 if (isset($_POST['login_user'])) {
60     $username = mysqli_real_escape_string($db, $_POST['username']);
61     $password = mysqli_real_escape_string($db, $_POST['password']);
62
63     if (empty($username)) {
64         array_push($errors, "Username is required");
65     }
66     if (empty($password)) {
67         array_push($errors, "Password is required");
68     }
69
70     if (count($errors) == 0) {
71         $password = md5($password);
72         $query = "SELECT * FROM users WHERE username='$username' AND password='$password'";
73         $results = mysqli_query($db, $query);
74
75         if (mysqli_num_rows($results) == 1) {
76             $_SESSION['username'] = $username;
77             $_SESSION['success'] = "You are now logged in";
78             header('location: proto3.php');
79         } else {
80             array_push($errors, "Wrong username/password combination");
81         }
82     }
83 }
84 ?>

```



```

cart.html    server.php X
: > xampp >htdocs > WDTProject > server.php
50     VALUES('$username', '$email', '$password_1', '$password_2');");
51     mysqli_query($db, $query);
52     $_SESSION['username'] = $username;
53     $_SESSION['success'] = "You are now logged in";
54     header('location: proto3.php');
55 }
56
57 // LOGIN USER
58 if (isset($_POST['login_user'])) {
59     $username = mysqli_real_escape_string($db, $_POST['username']);
60     $password = mysqli_real_escape_string($db, $_POST['password']);
61
62     if (empty($username)) {
63         array_push($errors, "Username is required");
64     }
65     if (empty($password)) {
66         array_push($errors, "Password is required");
67     }
68
69     if (count($errors) == 0) {
70         $password = md5($password);
71         $query = "SELECT * FROM users WHERE username='username' AND password='password'";
72         $results = mysqli_query($db, $query);
73         if (mysqli_num_rows($results) == 1) {
74             $_SESSION['username'] = $username;
75             $_SESSION['success'] = "You are now logged in";
76             header('location: proto3.php');
77         } else {
78             array_push($errors, "Wrong username/password combination");
79         }
80     }
81 }
82
83
84 ?>

```



```

cart.html    server.php X
: > xampp >htdocs > WDTProject > index.php
1 <?php
2 $errors = array(); // Initialize the $errors array
3
4 if (isset($_POST['login_user'])) {
5     // Perform login validation here
6     // If validation fails, populate the $errors array
7     if (empty($_POST['username']) || empty($_POST['password'])) {
8         $errors[] = "Both username and password are required.";
9     }
10 }
11
12 ?>
13 <html>
14 <head>
15     <title>Registration system PHP and MySQL</title>
16     <link rel="stylesheet" type="text/css" href="style.css">
17 </head>
18 <body>
19     <div class="header">
20         <h2>Login</h2>
21     </div>
22
23     <form method="post" action="proto3.php">
24         <?php include('errors.php'); ?>
25         <div class="input-group">
26             <label>username</label>
27             <input type="text" name="username">
28         </div>
29         <div class="input-group">
30             <label>password</label>
31             <input type="password" name="password">
32         </div>
33         <div class="input-group">
34             <button type="submit" class="btn" name="login_user">Login</button>
35         </div>
36     <p>
37         Not yet a member? <a href="register.php">Sign up</a>

```

Fig 4.1 – Code screenshot 1

```

cart.html server.php index.php X proto3.php register.php
C:\xampp\htdocs\WDTProject>index.php
14 <head>
15   <title>Registration system PHP and MySQL</title>
16   <link rel="stylesheet" type="text/css" href="style.css">
17 </head>
18 <body>
19   <div class="header">
20     <h2>Login</h2>
21   </div>
22
23   <form method="post" action="proto3.php">
24     <?php include('errors.php'); ?>
25     <div class="input-group">
26       <label>Username</label>
27       <input type="text" name="username">
28     </div>
29     <div class="input-group">
30       <label>Password</label>
31       <input type="password" name="password">
32     </div>
33     <div class="input-group">
34       <button type="submit" class="btn" name="login_user">Login</button>
35     </div>
36   <p>
37     Not yet a member? <a href="register.php">Sign up</a>
38   </p>
39   </form>
40 </body>
41 </html>
42
43 <?php if (count($errors) > 0) : ?>
44   <div class="error">
45     <?php foreach ($errors as $error) : ?>
46     | <p><?php echo $error ?></p>
47     <?php endforeach ?>
48   </div>
49 <?php endif ?>

```



```

cart.html server.php index.php X register.php
C:\xampp\htdocs\WDTProject>register.php
1 <?php include('server.php') ?>
2 <!DOCTYPE html>
3 <html>
4 <head>
5   <title>Registration system PHP and MySQL</title>
6   <link rel="stylesheet" type="text/css" href="style.css">
7 </head>
8 <body>
9   <div class="header">
10    <h2>Register</h2>
11  </div>
12  <form method="post" action="register.php">
13    <?php include('errors.php'); ?>
14    <div class="input-group">
15      <label>Username</label>
16      <input type="text" name="username" value="<?php echo $username; ?>">
17    </div>
18    <div class="input-group">
19      <label>Email</label>
20      <input type="email" name="email" value="<?php echo $email; ?>">
21    </div>
22    <div class="input-group">
23      <label>Password</label>
24      <input type="password" name="password_1">
25    </div>
26    <div class="input-group">
27      <label>Confirm password</label>
28      <input type="password" name="password_2">
29    </div>
30    <div class="input-group">
31      <button type="submit" class="btn" name="reg_user">Register</button>
32    </div>
33    <p> Already a member? <a href="login.php">Sign in</a> </p>
34  </form>
35 </body>
36 </html>

```



```

cart.html server.php index.php X proto3.php X register.php
C:\xampp\htdocs\WDTProject>proto3.php
1 > <?php >
2   >
3   <html>
4     <head>
5       <title> Toy Quest </title>
6       <link rel="stylesheet" href="proto3.css">
7       <link rel="icon" href="teddyicon.png">
8       <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.2/css/all.min.css">
9     </head>
10    <body>
11      <div class="backgrounding">
12        <section id="header">
13          <a href="#"></a>
14          <div class="navigation">
15            <ul id="navabar">
16              <li><a class="active" href="proto3.html">Home</a></li>
17              <li><a href="#">Trending</a></li>
18              <li><a href="shop.html">Shop</a></li>
19              <li><a href="rating.html">Ratings</a></li>
20              <li><a href="contact.html">Contact</a></li>
21              <li><a href="cart.html"><i class="fa-solid fa-bag-shopping"></i></a></li>
22            </ul>
23          </div>
24        </section>
25        <div class="content">
26          <h1> Toys for Every Adventure To Spark Young Minds</h1>
27          <p>Welcome to our magical toy wonderland! Discover a treasure trove of fun, educational, </p><p>and imaginative toys for every child's delight</p>
28          <div>
29            <button type="button" onclick="window.location.href='#product1'"> <span>EXPLORE</span> </button>
30          </div>
31        </div>
32        <!--features-->
33        <section id="features" class="section1">
34          <div class="boxes">
35            
36          <!--features-->
37          <section id="features" class="section1">
38            <div class="boxes">
39              
40              <h6> Free Shipping</h6>
41            </div>
42            <div class="boxes">
43              
44              <h6> Convenient Shopping </h6>
45            </div>
46            <div class="boxes">
47              
48              <h6> Save Money </h6>
49            </div>
50            <div class="boxes">
51              
52              <h6> Promotions </h6>
53            </div>
54            <div class="boxes">
55              
56              <h6> 24/7 support </h6>
57            </div>
58          </section>
59          <!--explore-->
60          <section id="product1" class="section1">
61            <h1>EXPLORE</h1>
62            <div class="underline"><span></span></div>
63            <br>
64            <br>
65            <div class="pro-container">
66              <div class="pro" onclick="window.location.href='productdetails.html';">
67                
68                <div class="des">
69                  <h5> CJKL </h5>
70                  <h3>The Batman 2 Comic Accurate Figurine</h3>
71                  <div class="star">
72                    <i class="fa-solid fa-star"></i>
73                    <i class="fa-solid fa-star"></i>
74                  </div>
75                </div>
76              </div>
77            </div>
78          </section>
79        </div>

```

Fig 4.2 - Code screenshot 2

```

50      <!--explore-->
51      <section id="product1" class="section1">
52          <h1>EXPLORE</div><div class="underline"><span></span></div></h1>
53          <br>
54          <br>
55          <div class="pro-container">
56              <div class="pro" onclick="window.location.href='productdetails.html';">
57                  
58                  <div class="des">
59                      <h5> CJKL </h5>
60                      <h3>The Batman 2 Comic Accurate Figurine</h3>
61                      <div class="star">
62                          <i class="fa-solid fa-star"></i>
63                          <i class="fa-solid fa-star"></i>
64                          <i class="fa-solid fa-star"></i>
65                          <i class="fa-solid fa-star"></i>
66                          <i class="fa-solid fa-star"></i>
67                          </div>
68                      <h2> <b>$45.50</b></h2>
69                  </div>
70                  <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
71              </div>
72              <div class="pro">
73                  
74                  <div class="des">
75                      <h5> CJKL </h5>
76                      <h3>The Batman 2 Comic Accurate Figurine</h3>
77                      <div class="star">
78                          <i class="fa-solid fa-star"></i>
79                          <i class="fa-solid fa-star"></i>
80                          <i class="fa-solid fa-star"></i>
81                          <i class="fa-solid fa-star"></i>
82                          <i class="fa-solid fa-star"></i>
83                          </div>
84                      <h2> <b>$45.50</b></h2>
85                  </div>
86                  <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
87              </div>
88              <div class="pro">
89                  
90                  <div class="des">
91                      <h5> CJKL </h5>
92                      <h3>The Batman 2 Comic Accurate Figurine</h3>
93                      <div class="star">
94                          <i class="fa-solid fa-star"></i>
95                          <i class="fa-solid fa-star"></i>
96                          <i class="fa-solid fa-star"></i>
97                          <i class="fa-solid fa-star"></i>
98                          <i class="fa-solid fa-star"></i>
99                          </div>
100                         <h2> <b>$45.50</b></h2>
101                     </div>
102                     <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
103                 </div>
104                 <div class="pro">
105                     
106                     <div class="des">
107                         <h5> CJKL </h5>
108                         <h3>The Batman 2 Comic Accurate Figurine</h3>
109                         <div class="star">
110                             <i class="fa-solid fa-star"></i>
111                             <i class="fa-solid fa-star"></i>
112                             <i class="fa-solid fa-star"></i>
113                             <i class="fa-solid fa-star"></i>
114                             <i class="fa-solid fa-star"></i>
115                             </div>
116                             <h2> <b>$45.50</b></h2>
117                         </div>
118                         <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
119                     </div>
120                     <div class="pro">
121                         
122                         <div class="des">
123                             <h5> CJKL </h5>
124                             <h3>The Batman 2 Comic Accurate Figurine</h3>
125                             <div class="star">
126                                 <i class="fa-solid fa-star"></i>
127                                 <i class="fa-solid fa-star"></i>
128                                 <i class="fa-solid fa-star"></i>
129                                 <i class="fa-solid fa-star"></i>
130                                 <i class="fa-solid fa-star"></i>
131                                 </div>
132                                 <h2> <b>$45.50</b></h2>
133                             </div>
134                             <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
135                         </div>
136                         ... ...
137
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Fig 4.3 - Code screenshot 3

```

292 |     <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
293 |   </div>
294 |   <div class="pro">
295 |     
296 |     <div class="des">
297 |       <h5> CJKL </h5>
298 |       <h3>Peppa and George /Cartoon collections</h3>
299 |       <div class="star">
300 |         <i class="fa-solid fa-star"></i>
301 |         <i class="fa-solid fa-star"></i>
302 |         <i class="fa-solid fa-star"></i>
303 |         <i class="fa-solid fa-star"></i>
304 |         <i class="fa-solid fa-star"></i>
305 |       </div>
306 |       <h2> <b>$9.50</b></h2>
307 |     </div>
308 |     <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
309 |   </div>
310 |   <div class="pro">
311 |     
312 |     <div class="des">
313 |       <h5> CJKL </h5>
314 |       <h3>Teddy Bear straight out of the movies/ CJKL</h3>
315 |       <div class="star">
316 |         <i class="fa-solid fa-star"></i>
317 |         <i class="fa-solid fa-star"></i>
318 |         <i class="fa-solid fa-star"></i>
319 |         <i class="fa-solid fa-star"></i>
320 |       </div>
321 |       <h2> <b>$10.50</b></h2>
322 |     </div>
323 |     <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
324 |   </div>
325 |   <div class="pro">
326 |     
327 |     <div class="des">
328 |       <h5> CJKL </h5>
329 |       <h3>Barbie diverse range of dolls, accessories, and playsets </h3>
330 |       <div class="star">
331 |         <i class="fa-solid fa-star"></i>
332 |         <i class="fa-solid fa-star"></i>
333 |         <i class="fa-solid fa-star"></i>
334 |         <i class="fa-solid fa-star"></i>
335 |       </div>
336 |       <h2> <b>$16.76</b></h2>
337 |     </div>
338 |     <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
339 |   </div>
340 |   <div class="pro">
341 |     
342 |     <div class="des">
343 |       <h5> CJKL </h5>
344 |       <h3>Ben 10 Omnitrix, Unleash the ultimate form</h3>
345 |       <div class="star">
346 |         <i class="fa-solid fa-star"></i>
347 |         <i class="fa-solid fa-star"></i>
348 |         <i class="fa-solid fa-star"></i>
349 |         <i class="fa-solid fa-star"></i>
350 |         <i class="fa-solid fa-star"></i>
351 |       </div>
352 |       <h2> <b>$45.50</b></h2>
353 |     </div>
354 |     <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
355 |   </div>
356 |   <div class="pro">
357 |     
358 |     <div class="des">
359 |       <h5> CJKL </h5>
360 |       <h3>The Batman 2 Comic Accurate Figurine</h3>
361 |       <div class="star">
362 |         <i class="fa-solid fa-star"></i>
363 |         <i class="fa-solid fa-star"></i>
364 |         <i class="fa-solid fa-star"></i>
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```

Fig 4.4 - Code screenshot 4

```
503 </section>
504 <footer>
505     <div class="ROW">
506         <div class="COL">
507             
508             <p>At Toy Quest, we're dedicated to bringing smiles to your family with an incredible selection of toys and games. Our user-friendly online store ensures a seamless shopping journey, while our commitment to quality and creativity guarantees endless playtime adventures. Join us at Toy Quest and make cherished memories through play.</p>
509         </div>
510         <div class="COL">
511             <h3> Enterprise <div class="underline"><span></span></div></h3>
512             <p>Marathalli Outer Ring Road</p>
513             <p> Bellandur Post, Bangalore</p>
514             <p>Karnataka, PIN 560 103, India</p>
515             <p class="email-id"> AdrianMatthew@gmail.com</p>
516             <p class="email-id"> ChrisJordan@gmail.com</p>
517             <h4>+91 - 9380909428</h4>
518         </div>
519
520         <div class="COL">
521             <h3> Links <div class="underline"><span></span></div></h3>
522             <ul class="foot">
523                 <li><a href="#Home">Home</a></li>
524                 <li><a href="#Trending">Trending</a></li>
525                 <li><a href="rating.html">Ratings</a></li>
526                 <li><a href="contact.html">Contact</a></li>
527                 <li><a href="#Help">Help</a></li>
528             </ul>
529         </div>
530         <div class="COL">
531             <h3> SOCIAL MEDIA <div class="underline"><span></span></div></h3>
532             <br>
533             <br>
534             <i class="fa-brands fa-facebook-f"></i>
535             <i class="fa-brands fa-whatsapp"></i>
536             <i class="fa-brands fa-x-twitter"></i>
537             <i class="fa-brands fa-instagram"></i>
538
539             <h3> Enterprise <div class="underline"><span></span></div></h3>
540             <p>Marathalli Outer Ring Road</p>
541             <p> Bellandur Post, Bangalore</p>
542             <p>Karnataka, PIN 560 103, India</p>
543             <p class="email-id"> AdrianMatthew@gmail.com</p>
544             <p class="email-id"> ChrisJordan@gmail.com</p>
545             <h4>+91 - 9380909428</h4>
546         </div>
547
548         <div class="COL">
549             <h3> Links <div class="underline"><span></span></div></h3>
550             <ul class="foot">
551                 <li><a href="#Home">Home</a></li>
552                 <li><a href="#Trending">Trending</a></li>
553                 <li><a href="rating.html">Ratings</a></li>
554                 <li><a href="contact.html">Contact</a></li>
555                 <li><a href="#Help">Help</a></li>
556             </ul>
557         </div>
558         <div class="COL">
559             <h3> SOCIAL MEDIA <div class="underline"><span></span></div></h3>
560             <br>
561             <br>
562             <i class="fa-brands fa-facebook-f"></i>
563             <i class="fa-brands fa-whatsapp"></i>
564             <i class="fa-brands fa-x-twitter"></i>
565             <i class="fa-brands fa-instagram"></i>
566             <i class="fa-brands fa-pinterest"></i>
567
568             <h3> TOY QUEST © 2023 - All Rights Reserved</h3>
569         </div>
570     </div>
571     <hr>
572     <p class="CopyRights"> TOY QUEST © 2023 - All Rights Reserved</p>
573 </footer>
574 </body>
575 </html>
```

```
<head>
<title> Shop @ Toy Quest </title>
<link rel="stylesheet" href="proto3.css">
<link rel="icon" href="teddyicon.png">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.2/css/all.min.css">
</head>
</body>
<section id="header">
    <a href="#"></a>
    <div class="navigation">
        <ul id="navbar">
            <li><a href="proto3.html">Home</a></li>
            <li><a href="#">Trending</a></li>
            <li><a href="#">Accurate</a></li>
            <li><a href="#">Follow link (ctrl + click)</a></li>
            <li><a href="contact.html">Contact</a></li>
            <li><a href="cart.html"><i class="fa-solid fa-bag-shopping"></i></a></li>
        </ul>
    </div>
</section>
<div class="shopbanner">
    <h1>SHOP ONLINE</h1>
    <p>YOU ARE JUST A FEW TAPS AWAY FROM MAKING YOUR KIDS RADIATE BLISS!</p>
</div>
<section id="product1" class="section1">
<br>
<div class="pro-container">
    <div class="pro" onclick="window.location.href='productdetails.html';">
        
        <div class="des">
            <h5> CJKL </h5>
            <h3>The Batman 2 Comic Accurate Figurine</h3>
            <div class="star">
                <i class="fa-solid fa-star"></i>
                <i class="fa-solid fa-star"></i>
                <i class="fa-solid fa-star"></i>
            </div>
            <p>YOU ARE JUST A FEW TAPS AWAY FROM MAKING YOUR KIDS RADIATE BLISS!</p>
        </div>
    </div>
<section id="product1" class="section1">
<br>
<div class="pro-container">
    <div class="pro" onclick="window.location.href='productdetails.html';">
        
        <div class="des">
            <h5> CJKL </h5>
            <h3>The Batman 2 Comic Accurate Figurine</h3>
            <div class="star">
                <i class="fa-solid fa-star"></i>
                <i class="fa-solid fa-star"></i>
                <i class="fa-solid fa-star"></i>
                <i class="fa-solid fa-star"></i>
                <i class="fa-solid fa-star"></i>
            </div>
            <h2> $45.50</h2>
        </div>
        <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
    </div>
<div class="pro" onclick="window.location.href='productdetails2.html';">
    
    <div class="des">
        <h5> CJKL </h5>
        <h3>The Batman 2 Comic Accurate Figurine</h3>
        <div class="star">
            <i class="fa-solid fa-star"></i>
            <i class="fa-solid fa-star"></i>
            <i class="fa-solid fa-star"></i>
            <i class="fa-solid fa-star"></i>
            <i class="fa-solid fa-star"></i>
        </div>
        <h2> $45.50</h2>
    </div>
    <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
</div>
```

Fig 4.5 - Code screenshot 5

```
58 </div>
59 <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
60 </div>
61 <div class="pro" onclick="window.location.href='productdetails3.html';">
62 
63 <div class="des">
64 <h5> CJKL </h5>
65 <h3>The Batman 2 Comic Accurate Figurine</h3>
66 <div class="star">
67 <i class="fa-solid fa-star"></i>
68 <i class="fa-solid fa-star"></i>
69 <i class="fa-solid fa-star"></i>
70 <i class="fa-solid fa-star"></i>
71 <i class="fa-solid fa-star"></i>
72 </div>
73 <h2><b>$45.50</b></h2>
74 </div>
75 <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
76 </div>
77 <div class="pro" onclick="window.location.href='productdetails4.html';">
78 
79 <div class="des">
80 <h5> CJKL </h5>
81 <h3>The Batman 2 Comic Accurate Figurine</h3>
82 <div class="star">
83 <i class="fa-solid fa-star"></i>
84 <i class="fa-solid fa-star"></i>
85 <i class="fa-solid fa-star"></i>
86 <i class="fa-solid fa-star"></i>
87 <i class="fa-solid fa-star"></i>
88 </div>
89 <h2><b>$45.50</b></h2>
90 </div>
91 <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
92 </div>
93 <!--repeat this sequence as many times as required, for different products-->
94 <div class="pro" onclick="window.location.href='productdetails.html';">
95 
96 <div class="des">
97 <h5> CJKL </h5>
98 <h3>The Batman 2 Comic Accurate Figurine</h3>
99 <div class="star">
100 <i class="fa-solid fa-star"></i>
101 <i class="fa-solid fa-star"></i>
102 <i class="fa-solid fa-star"></i>
103 <i class="fa-solid fa-star"></i>
104 <i class="fa-solid fa-star"></i>
105 </div>
106 <h2><b>$45.50</b></h2>
107 </div>
108 <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
109 </div>
110 </div>
111 </section>
112 <section id="tabs" class="section1">
113 <a href="#">1</a>
114 <a href="#">2</a>
115 <a href="#"><i class="fa-solid fa-angle-right"></i></a>
116 </section>
117 <section id="mail" class="section1 section2" >...
118 </section>
119 <footer>...
120 </footer>
121 </body>
122 </html>
```

cart.html shop.html productdetails.html

C:\xampp>htdocs>WDTProject>productdetails.html

```
1 <html>
2 <head> ...
3 </head>
4 <body>
5
6 <section id="header"> ...
7 </section>
8 <section id="productdetails" class="section1">
9 <div class="Bigproduct">
10 
11
12 <div class="tinyones">
13 <div class="tinyonescol">
14 
15 </div>
16 <div class="tinyonescol">
17 
18 </div>
19 <div class="tinyonescol">
20 
21 </div>
22 <div class="tinyonescol">
23 
24 </div>
25 </div>
26 <div class="Bigproductdetails">
27 <h6> CJKL / Exclusive Toy Collections</h6>
28 <h4> The Batman 2 Comic Accurate Figurine</h4>
29 <h2> $45.50</h2>
30 <br>
31 <br>
32 <form method="post" action="https://script.google.com/macros/s/AKfcbxPFR2FFXMD-eVu2aZ4k92ns1kVijdttULSVswGzJOMtPSkt2ghzjbmTuMjwhr/exec">
33 <div class="form">
34 <input type="text" placeholder="Item" name="Item">
35 <input type="number" name="Quantity">
36 <button class="uni"> Add to Cart </button>
37 </div>
38 </form>
39 <h4> Product Details </h4>
40 <span> Unleash the hero within with our six-inch Batman 2 action figure. Immerse yourself in imaginative play as you recreate thrilling adventures with this detailed collectible toy. A must-have for fans and collectors alike. Experience eco-friendly joy with our limited edition toy, crafted from premium recycled plastic. Meticulously designed, this collectible exemplifies our commitment to sustainability while delivering a unique and high-quality playtime companion. </span>
41 </div>
42 </section>
43 <section id="product1" class="section1">
44 <section id="Trending">
45 <h1> FEATURED <div class="underline"><span></span></div></h1>
46 <br>
47 <div class="pro-container">
48 <div class="pro">
49 
50 <div class="des">
51 <h5> CJKL </h5>
52 <h3>The Batman 2 Comic Accurate Figurine</h3>
53 <div class="star">
54 <i class="fa-solid fa-star"></i>
55 <i class="fa-solid fa-star"></i>
56 <i class="fa-solid fa-star"></i>
57 <i class="fa-solid fa-star"></i>
58 <i class="fa-solid fa-star"></i>
59 </div>
60 <h2><b>$45.50</b></h2>
61 </div>
62 <a href="#"><i class="fa-solid fa-angle-right"></i></a>
63 </div>
64 </section>
65 <section id="product2" class="section1">
66 <h1> FEATURED <div class="underline"><span></span></div></h1>
67 <br>
68 <div class="pro-container">
69 <div class="pro">
70 
71 <div class="des">
72 <h5> CJKL </h5>
73 <h3>The Batman 2 Comic Accurate Figurine</h3>
74 <div class="star">
75 <i class="fa-solid fa-star"></i>
76 <i class="fa-solid fa-star"></i>
77 <i class="fa-solid fa-star"></i>
78 <i class="fa-solid fa-star"></i>
79 <i class="fa-solid fa-star"></i>
80 </div>
81 <h2><b>$45.50</b></h2>
82 </div>
83 <a href="#"><i class="fa-solid fa-angle-right"></i></a>
84 </div>
85 </div>
86 </div>
87 </div>
88 </div>
89 </div>
```

Fig 4.6 - Code screenshot 6

```

> xampp > htdocs > WDTProject > productdetails.html > html > body > section#product1.section1 > section#Trending
69   <div class="pro-container">
70     <div class="pro">
71       
72       <div class="des">
73         <h5> CJKL </h5>
74         <h3>The Batman 2 Comic Accurate Figurine</h3>
75         <div class="star">
76           <i class="fa-solid fa-star"></i>
77           <i class="fa-solid fa-star"></i>
78           <i class="fa-solid fa-star"></i>
79           <i class="fa-solid fa-star"></i>
80           <i class="fa-solid fa-star"></i>
81         </div>
82         <h2> <b>$45.50</b></h2>
83       </div>
84       <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
85     </div>
86     <div class="pro">
87       
88       <div class="des">
89         <h5> CJKL </h5>
90         <h3>The Batman 2 Comic Accurate Figurine</h3>
91         <div class="star">
92           <i class="fa-solid fa-star"></i>
93           <i class="fa-solid fa-star"></i>
94           <i class="fa-solid fa-star"></i>
95           <i class="fa-solid fa-star"></i>
96           <i class="fa-solid fa-star"></i>
97         </div>
98         <h2> <b>$45.50</b></h2>
99       </div>
100      <a href="#"><i class="fa-solid fa-cart-shopping fa-beat cart"></i></a>
101    </div>
102    <!--repeat this sequence as many products required-->
103    <div class="pro">
104      
105    </div>
106  <section id="mail" class="section1 section2" >...
107  </section>
108  <footer>...
109  </footer>
110  <script>
111    var Bigone =document.getElementById("Bigone");
112    var Tinyone = document.getElementsByClassName("tinyone");
113    Tinyone[0].onclick = function(){
114      Bigone.src = Tinyone[0].src;
115    }
116    Tinyone[1].onclick = function(){
117      Bigone.src = Tinyone[1].src;
118    }
119    Tinyone[2].onclick = function(){
120      Bigone.src = Tinyone[2].src;
121    }
122    Tinyone[3].onclick = function(){
123      Bigone.src = Tinyone[3].src;
124    }
125
126  </script>
127  </body>
128 </html>

```

car.html shop.html productdetails.html contact.html X

```

: > xampp > htdocs > WDTProject > contact.html > html > div.contactbackground > section.contact > div.container > div.contactform > form
1 <html>
2   <head> ...
3   </head>
4   <body>
5     <div class="contactbackground">
6       <section id="header">...
7       </section>
8       <section class="contact">
9         <div class="contactdescription">
10          <h2> CONTACT US</h2>
11          <br>
12          <p> Welcome to the TONQUEST online store's Contact Page! We're thrilled to connect with you and ensure your shopping experience is as delightful as the toys we offer. We value your questions, feedback, and inquiries. Our user-friendly form allows you to share your details and message, ensuring we can address your needs promptly. We encourage you to reach out whenever you require support or have a query. Your satisfaction is our priority, and we're committed to providing excellent customer service. We look forward to hearing from you and making your experience with us truly exceptional.</p>
13        </div>
14        <div class="container">
15          <div class="contactinfo">
16            <div class="box">
17              <div class="icon"> <i class="fa-solid fa-location-dot"></i></div>
18              <div class="text">
19                <h3> Address </h3>
20                <p> 8364 5th Avenue, Sugar Camp Road, Cupertino, California, 95014</p>
21              </div>
22            </div>
23            <div class="box">
24              <div class="icon"> <i class="fa-solid fa-phone"></i></div>
25              <div class="text">
26                <h3> Phone </h3>
27                <p> 418-090-9428</p>
28              </div>
29            </div>
30            <div class="box">
31              <div class="icon"> <i class="fa-solid fa-envelope"></i></div>
32              <div class="text">
33                <h3> Email </h3>
34                <p> chrisjordannnn@gmail.com</p> <p>AdrianMatthew@gmail.com</p>
35              </div>
36            </div>
37          </div>
38        </div>
39      </div>
40    </div>
41  </body>
42 </html>

```

```

43   <div class="box">
44     <div class="icon"> <i class="fa-solid fa-phone"></i></div>
45     <div class="text">
46       <h3> Phone </h3>
47       <p> 418-090-9428</p>
48     </div>
49   </div>
50   <div class="box">
51     <div class="icon"> <i class="fa-solid fa-envelope"></i></div>
52     <div class="text">
53       <h3> Email </h3>
54       <p> chrisjordannnn@gmail.com</p> <p>AdrianMatthew@gmail.com</p>
55     </div>
56   </div>
57 </div>
58 <div class="contactform">
59   <form method="post" action="https://script.google.com/macros/s/AKfycbxJPP4tngp4qHBeLs_tUpkIeG3t_YmY8Quu8IU5uue-ELOID6ojhjRAJZx3UDZRA/exec" >
60     <h2> Send Message </h2>
61     <div class="inputbox">
62       <input type="text" name="Name" required="required">
63       <span> Full Name </span>
64     </div>
65     <div class="inputbox">
66       <input type="text" name="C-email" required="required">
67       <span> Email </span>
68     </div>
69     <div class="inputbox">
70       <textarea required="required" name="Message"></textarea>
71       <span> Type your message here </span>
72     </div>
73     <div class="inputbox">
74       <input type="Submit" value="SEND">
75     </div>
76   </form>
77 </div>

```

Fig 4.7 - Code screenshot 7

```

C:\xampp\htdocs\WDTProject> contact.html <html> <body> <div> <div>
53     <div> Email</div>
54     <p> chrisjordannnn@gmail.com</p> <p>AdrianMatthew@gmail.com</p>
55   </div>
56 </div>
57 <div class="contactform">
58   <form method="post" action= "https://script.google.com/macros/s/AKfycbxJPP4tn9
59 p4qHBeLts_tURWeG3T_YmNy3squ8IU5u6e-EL0ID6ojhjRAJZZx3UDZRA/exec" >
60     <h2> Send Message</h2>
61     <div class="inputbox">
62       <input type="text" name="Name" required="required">
63       <span> Full Name</span>
64     </div>
65     <div class="inputbox">
66       <input type="text" name="C-email" required="required">
67       <span> Email </span>
68     </div>
69     <div class="inputbox">
70       <textarea required="required" name="Message"></textarea>
71       <span> Type your message here!</span>
72     </div>
73     <div class="inputbox">
74       <input type="Submit" value="SEND">
75     </div>
76   </form>
77 </div>
78 </div>
79 </section>
80 </div>
81 > <section id= "mail" class="section1 section2" >...
82 > </section>
83 > <footer>...
84 > </footer>
85 > </body>
86 </html>
> xampp\htdocs\WDTProject> rating.html <html> <body> <div>
1 <html>
2 > <head>...
3 </head>
4 <body>
5   <div class="ratingbackground">
6     <section id="header">...
7   </section>
8   <section id = "ratsec">
9     <form method="post" action="https://script.google.com/macros/s/AKfycbyvek_
10  RMX0xb0awgkfzjEx_R-c8AIKETXOELnvd7maidfv618uQEFbf1Do-/exec">
11    <table class="ratbod">
12      <tr>
13        <th>RATING CRITERIA</th>
14        <th>RATING</th>
15      </tr>
16      <tr>
17        <td>User Interface</td>
18        <td><input type="number" name="UI" min="0" max="5" style="width: inherit;"></td>
19      </tr>
20      <tr>
21        <td>Quality of Toys</td>
22        <td><input type="number" name="Quality" min="0" max="5" style="width: inherit;"></td>
23      </tr>
24      <tr>
25        <td>Customer Service</td>
26        <td><input type="number" name="Customer service" min="0" max="5" style="width: inherit;"></td>
27      </tr>
28      <tr>
29        <td>Shipping and Delivery</td>
30        <td><input type="number" name="Ship & Delivery" min="0" max="5" style="width: inherit;"></td>
31      </tr>
32      <tr>
33        <td>Product Variety and Availability</td>
34        <td><input type="number" name="Variety & Availability" min="0" max="5" style="width: inherit;"></td>
35      </tr>
36    </table>
37  </div>
38 </body>
39 </html>

```

C:\xampp\htdocs\WDTProject> rating.html <html> <body> <div>.ratingbackground</div>

```

49   <td><input type="number" name="Variety & Availability" min="0" max="5" style="width: inherit;"></td>
50 </tr>
51 <tr>
52   <td>Super User Privilege</td>
53   <td><input type="number" name="User Privilege" min="0" max="5" style="width: inherit;"></td>
54 </tr>
55   <tr>
56     <td>Returns and Refunds Policy</td>
57     <td><input type="number" name="Refund Policy" min="0" max="5" style="width: inherit;"></td>
58 </tr>
59   <tr>
60     <td>Gift Options</td>
61     <td><input type="number" name="Gift Options" min="0" max="5" style="width: inherit;"></td>
62 </tr>
63   <tr>
64     <td>Website Performance and Loading Speed</td>
65     <td><input type="number" name="Website Perf." min="0" max="5" style="width: inherit;"></td>
66 </tr>
67   <tr>
68     <td>Security and Privacy</td>
69     <td><input type="number" name="Privacy & Security" min="0" max="5" style="width: inherit;"></td>
70 </tr>
71 </table>
72   <button> A space-separated list of the classes of the element. Classes allows CSS and JavaScript to select and access specific functions like the method Document.getElementsByClassName().
73 </form>
74 </section>
75 </div>
76 > <section id= "mail" class="section1 section2" >...
77 </section>
78 <footer>...
79 </footer>
80 </body>
81 </html>

```

MDN Reference

C:\xampp\htdocs\WDTProject> cart.html <html>

```

1 <html>
2 > <head>...
3 </head>
4 <body>
5   <div class="ratingbackground">
6     <section id="header">...
7   </section>
8   <div class="shopbanner">
9     <h1>CART CHRONICLES</h1>
10    <p>Fill it, thrill it, Cart it! Where items await their checkout destiny</p>
11  </div>
12  <section id= "cartst" class="section1" >
13    <table>
14      <thead>
15        <tr>
16          <td> Remove</td>
17          <td> Images </td>
18          <td> Product </td>
19          <td> Price </td>
20          <td> Quantity </td>
21          <td> Subtotal </td>
22        </tr>
23      </thead>
24      <tbody>
25        <tr id="sub-total1">
26          <td><a href="#"> <i class="fa-solid fa-xmark"></i></a></td>
27          <td> <img src = "ebat.jpg" alt=""></td>
28          <td> The Batman 2 Comic Accurate Figurine</td>
29          <td> $45.50</td>
30          <td><input type="number" min="1" max="10" step="1" value="0" id="user-input1"></td>
31          <td id="final1"></td>
32        </tr>
33        <tr id="sub-total2">
34          <td><a href="#"> <i class="fa-solid fa-xmark"></i></a></td>
35          <td> <img src = "eepspidey.jpg" alt=""></td>
36          <td> Spider-Man Infinity War Tom Holland</td>
37        </tr>
38      </tbody>
39    </table>
40  </div>
41 </body>
42 </html>

```

Fig 4.8 - Code screenshot 8

```
49 <td><a href="#"> <i class="fa-solid fa-xmark"></i></a></td>
50 <td> ![eepspidey.jpg](eepspidey.jpg)
51 <td> Spider-man Infinity war/ tom holland</td>
52 <td> $35.50</td>
53 <td><input type="number" min="1" max="10" step="1" value="0" id="user-input2">
54 </td>
55 <td id="final2"></td>
56 </tr>
57 <tr id="sub-total3">
58 <td><a href="#"> <i class="fa-solid fa-xmark"></i></a></td>
59 <td> ![eironman.jpg](eironman.jpg)
60 <td> Iron man endgame/ RDJ</td>
61 <td> $30.00</td>
62 <td><input type="number" min="1" max="10" step="1" value="0" id="user-input3">
63 </td>
64 <td id="final3"></td>
65 </tr>
66 </tbody>
67 </table>
68 </section>
69
70 <section id="cart-total" class="section1">
71 <div id="Total">
72 <h3> TOTAL PURCHASE</h3>
73 <table>
74 <tr>
75 <td> Cart Subtotal</td>
76 <td id="bill"></td>
77 </tr>
78 <tr>
79 <td> Shipping</td>
80 <td> Free </td>
81 </tr>
82 <tr>
83 <td> <strong> TOTAL</strong></td>
84 <td> <strong id="bill_strong"></strong></td>
85 </tr>
86 </table>
87 <button class="uni"> CLICK TO CHECKOUT </button>
88 </div>
89 </section>
90 > <section id="mail" class="section1 section2" > ...
91 </section>
92 </footer>...
93 </script>
94 let base_price1_array = document.getElementById("sub-total1").getElementsByTagName("td");
95 let base_price2_array = document.getElementById("sub-total2").getElementsByTagName("td");
96 let base_price3_array = document.getElementById("sub-total3").getElementsByTagName("td");
97
98 let base_price1 = parseFloat(base_price1_array[3].innerText.replace('$',''));
99 let base_price2 = parseFloat(base_price2_array[3].innerText.replace('$',''));
100 let base_price3 = parseFloat(base_price3_array[3].innerText.replace('$',''));
101
102 let number_input1 = document.getElementById("user-input1");
103 let number_input2 = document.getElementById("user-input2");
104 let number_input3 = document.getElementById("user-input3");
105
106
107
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Fig 4.9 - Code screenshot 9

4.1 MODULES

MODULE 1 – Login

This module includes PHP code that serves as an entry point for the user to login to their existing account or register as a new user. It is connected to a MySQL database server to store user account information and also performs form validation.

MODULE 2 – Home

The home page of this website, titled "Toy Quest," serves as the main introduction and entry point for visitors. It presents a visually appealing and inviting interface designed to attract users' attention and engage them with the content and offerings of the website. It introduces the website's purpose, features, products, and benefits, while providing easy navigation and opportunities for user engagement.

Header Section:

The header section contains the website's logo and navigation menu. The menu allows users to easily navigate to different sections of the website, such as Home, Trending, Shop, Ratings, and Contact. There is also an icon representing a shopping bag, which likely leads to the shopping cart page.

Main Content:

Introduction: The main content area begins with a captivating headline, "Toys for Every Adventure To Spark Young Minds." This statement conveys the purpose of the website, which is to offer a wide range of toys that inspire creativity and learning in children.

Welcome Message: A warm welcome message encourages users to explore the website's offerings and emphasizes the discovery of fun, educational, and imaginative toys that delight children.

Explore Button: A prominent "EXPLORE" button encourages users to take action and begin exploring the products offered by the website.

Features Section:

This section highlights key features of the website's offerings:

Free Shipping: A visual representation of free shipping is accompanied by the text "Free Shipping," emphasizing the convenience for customers.

Convenient Shopping: Similarly, there is an image and text highlighting the convenience of shopping on the website.

Save Money: This feature is depicted with an image and text suggesting savings opportunities for customers.

Promotions: The promotions feature is visually represented and briefly described.

24/7 Support: The availability of 24/7 customer support is emphasized through an image and text.

Explore Products:

A section showcasing various products available for purchase, each represented by an image, product name, star ratings, and price. Users are encouraged to click on the products to learn more or make a purchase.

Special Offer Poster:

A visually striking poster informs users about a special offer that involves ordering for five consecutive days to unlock a "Fantastic Surprise."

Trending Products:

Similar to the "Explore Products" section, this section displays trending products available for purchase, each accompanied by an image, product name, star ratings, and price.

Subscription Perks, Unwrap Joy, and Secure Your Spot:

Three banners highlight different benefits of subscribing to the website, including discounts, free shipping, seasonal offers, and early access to limited items.

Stay Updated:

A form allows users to input their email addresses and favorite interests to receive updates and information from the website.

Footer Section:

The footer provides additional information and links for users:

About the Company: A brief description of the company's dedication to providing quality toys and games that bring joy to families.

Enterprise Details: Address, contact information, and email addresses of the company's representatives.

Links: Quick links to different sections of the website.

Social Media: Icons linking to the company's social media profiles.

Copyright: Copyright notice indicating that the website's content is protected by copyright law.

MODULE 3 – Shop

The "Shop" page module represents an online shopping section for a store called "Toy Quest." This page is designed to showcase various products available for purchase, primarily focusing on toys and figurines and aims to create an engaging and user-friendly shopping experience for customers. Here's an explanation of the different sections and components of the "Shop" page:

The header and footer sections remain the same as Home Page.

Shop Banner: A visually appealing banner with a heading and a description that emphasizes the convenience of shopping online for kids' happiness.

Product Display Section: This section showcases a variety of product listings in a grid layout. Each product is presented as a box with an image, product name, star rating, and price. Clicking on a product box redirects the user to a detailed product page. Products are represented by images of popular characters, such as Batman, Spider-Man, Iron Man, etc.

Pagination Section: Pagination links are provided to navigate between different pages of products.

Email Subscription Section: Users are encouraged to provide their email addresses to receive updates and notifications about their interests or general queries related to the store.

MODULE 4 – Product

This module is part of a larger website and is responsible for displaying details about a specific toy product, allowing users to view the product image, its details, and add it to their cart. Here's an explanation of the different sections and functionalities of this product page module:

The header, footer and subscription sections remain the same as Home Page.

Product Details Section: This section displays the main product image (e.g., "The Batman 2 Comic Accurate Figurine") along with a set of smaller thumbnail images representing different views of the product. Users can click on these thumbnail images to view different angles of the product. Product information is provided, including the product name, price (\$45.50), and a brief description.

Add to Cart Form: A form is provided with input fields to add the product to the user's cart. Users can specify the quantity of the product they want to add (with a minimum of 1 and a maximum of 10). The "Add to Cart" button allows users to add the selected quantity of the product to their cart.

Featured Products Section: This section showcases featured products in a grid layout, each containing an image, product name, star rating, and price. Users can click on the "cart" icon to add a featured product to their cart.

JavaScript Functionality: JavaScript code is included at the end of the HTML to enable image switching functionality. Clicking on the smaller thumbnail images changes the displayed main product image to show different views of the product.

MODULE 5 – Ratings

This module is responsible for allowing users to submit ratings and reviews for various criteria related to the online store's services. It gives users the opportunity to share their experiences and contribute to improving the store's overall quality. The layout maintains a consistent design with the rest of the website, featuring user-friendly forms and navigation elements. Here's an explanation of the different sections and functionalities of this ratings page module:

The header, footer and subscription sections remain the same as Home Page.

Ratings Form Section: This section includes a form that allows users to submit ratings and reviews for different criteria related to the online store's services. Users can rate various aspects such as User Interface, Quality of Toys, Customer Service, Shipping and Delivery, Product Variety and Availability, Super User Privilege, Returns and Refunds Policy, Gift Options,

Website Performance and Loading Speed, and Security and Privacy. For each criterion, users can input a numerical rating between 0 and 5, indicating their satisfaction level.

MODULE 6 – Contact

This module allows users to get in touch with the website administrators and customer service team. Here's an explanation of the different sections and functionalities of this Contact page module:

The header, footer and subscription sections remain the same as Home Page.

Contact Information Section: This section provides users with information about how to contact the Toy Quest team. The "contactdescription" subsection welcomes users and explains the purpose of the contact page. It emphasizes the website's commitment to excellent customer service and encourages users to reach out with their questions, feedback, or inquiries. The "container" contains two sub-sections: "contactinfo" and "contactform." The "contactinfo" sub-section displays contact details using icons:

- Address: Provides the physical address of the company's location in Cupertino, California.
- Phone: Provides a clickable phone number link for users to directly call the customer service team.
- Email: Provides clickable email addresses for users to send emails to the provided addresses.

Contact Form Section: This sub-section contains a form that users can fill out to send a message to the Toy Quest team.

- Users need to input their full name, email address, and the message they want to send.
- There is a "SEND" button that users can click to submit their message.

MODULE 7 – Add to Cart

This module allows users to add products to their shopping cart for purchase and enhances the user experience by allowing users to conveniently view and manage their selected products in the cart before proceeding to checkout.

Shop Banner Section: This section displays a prominent title and a brief message to emphasize the shopping experience and encourage users to add items to their cart.

Cart Items Section: This section displays a table of products that the user has added to their cart. Each row represents a product and includes the following columns:

- Remove: Allows users to remove the product from their cart.
- Images: Displays an image of the product.
- Product: Shows the name of the product.
- Price: Displays the price of the product.
- Quantity: Allows users to input the quantity of the product they want to purchase.

- Subtotal: Displays the calculated subtotal for the product based on the quantity and price.

Cart Total Section: This section provides a summary of the cart's total purchase amount. It includes the following information:

- Cart Subtotal: Displays the total price of all items in the cart before shipping.
- Shipping: Indicates that shipping is free.
- Total: Shows the total amount including the cart subtotal and any other charges.
- "CLICK TO CHECKOUT" Button: Allows users to proceed to the checkout process.

Script Section: This section contains JavaScript code that dynamically calculates and updates the subtotal, total, and quantities based on user input in the quantity fields for each product

5.0 RESULTS

Login

Username

Password

Not yet a member? [Sign up](#)

Register

Username

Email

Password

Confirm password

Already a member? [Sign in](#)

Fig: 5.1 Login Page

Fig: 5.2 Register page

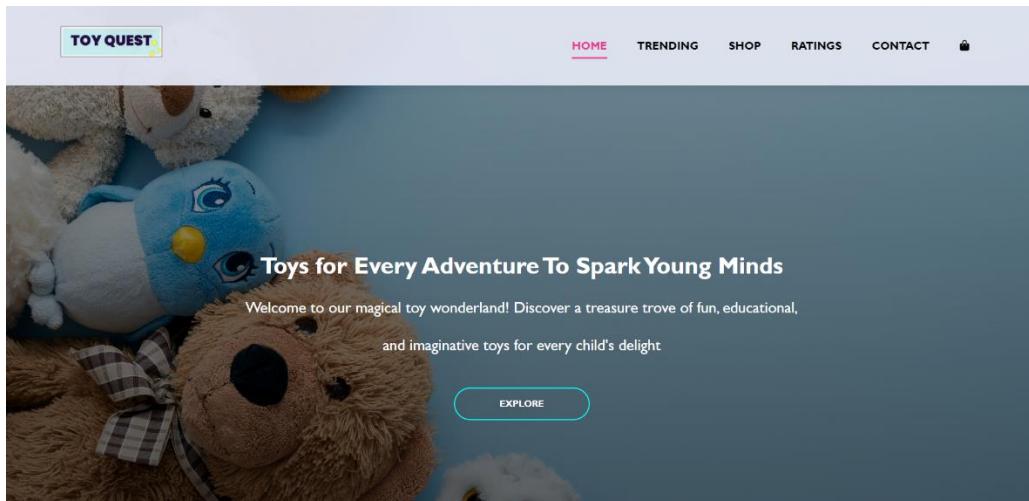


Fig: 5.3 Main homepage which contains links for all other webpages

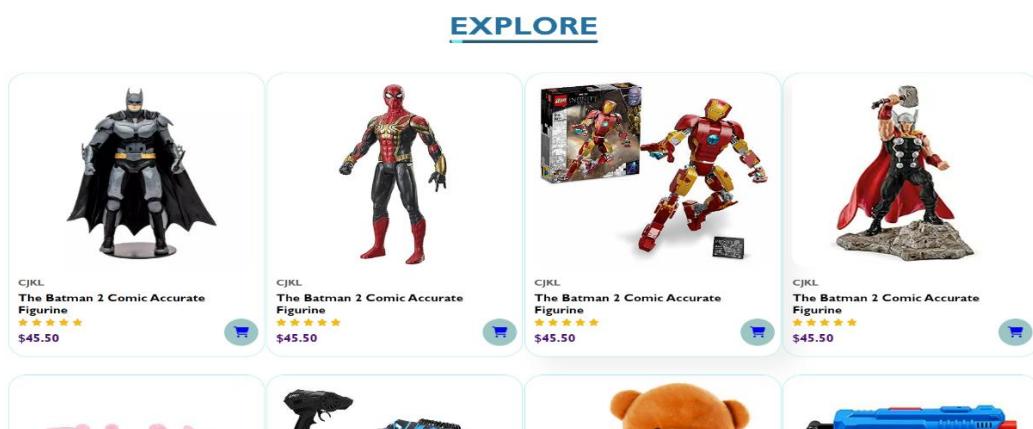


Fig. 5.4 Explore page



Fig. 5.5 An animated banner that separates explore and trending

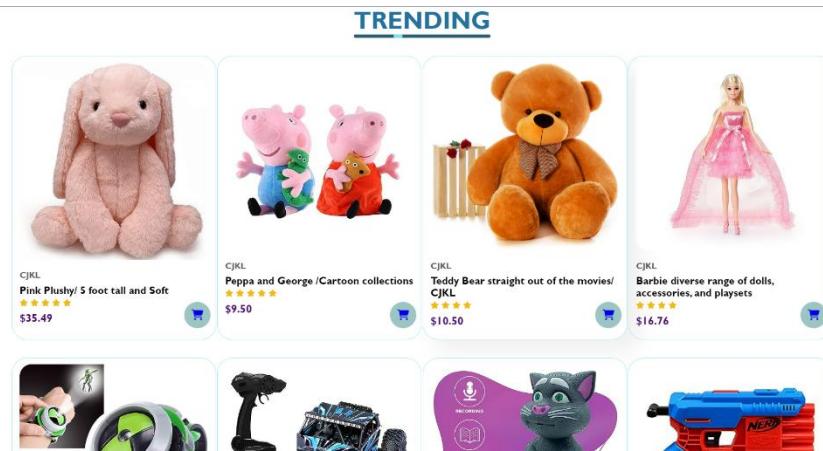


Fig: 5.6 Trending page



Fig: 5.7 Triple poster Explains the perks and benefits of the



Fig: 5.8 Favorites section, logs the information in google worksheets

A	B
Mail	Favourites
chrisjordann@gmail.com	spiderman legos
adrianmatthew@yahoo.com	lightning mcqueen
nityanhavasar123@gmail.com	onepiece figurines
arush4289@gmail.com	death star
feliciacatherine@gmail.com	rubiks cube
divya23084@gmail.com	peppa pig premium
Dave Gray	Connect 4

Fig: 5.8.1 Information updated into sheets from Favorites section

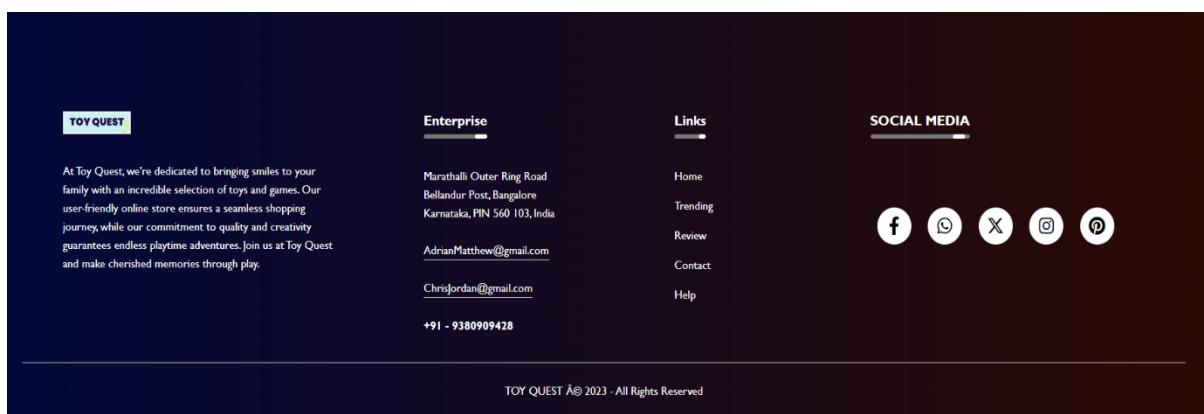


Fig: 5.9 An attractive footer section with links and animation beneath headers

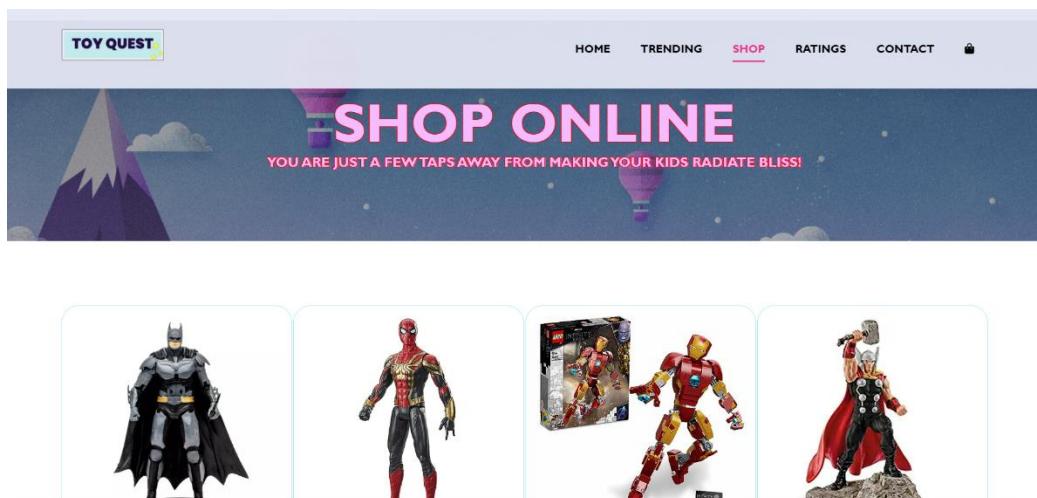


Fig: 5.10 Shop page with a bunch of toys to shop from

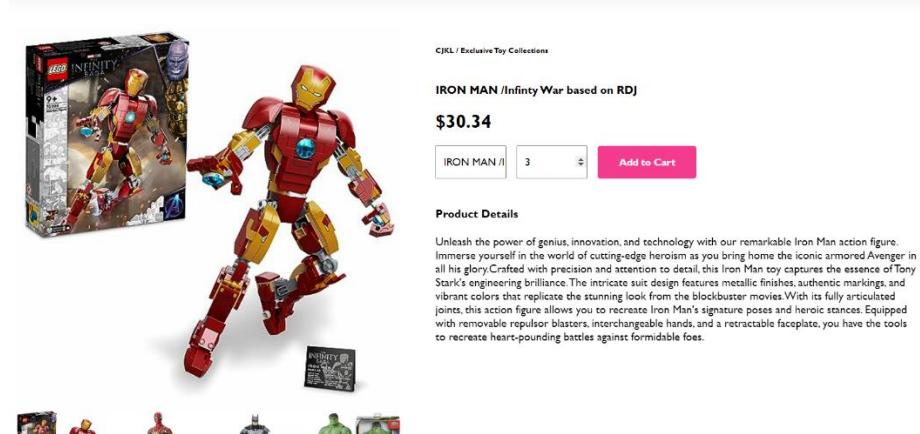


Fig: 5.11 Product details page, a nuanced look at the toy, with its description. It takes input from the user and stores it in worksheets

	A	B
1	Item	Quantity
2	The Batman 2 Comic Accurate Figurine	2
3	SPIDERMAN No Way Home/ Tom Holland	3
4	The Batman 2 Comic Accurate Figurine	3
5	SPIDERMAN No Way Home/ Tom Holland	1
6	Ironman endgame/ RDJ	1
7	IRON MAN /Infinty War based on RDJ	3
8		

Fig: 5.12 Shopped products updated onto the worksheet

RATING CRITERIA	RATING
User Interface	5
Quality of Toys	4
Customer Service	4
Shipping and Delivery	5
Product Variety and Availability	5
Super User Privilege	5
Returns and Refunds Policy	5
Gift Options	5
Website Performance and Loading Speed	3
Security and Privacy	4

Fig: 5.13 A rating page to rate our website on a bunch of criteria

	A	B	C	D	E	F	G	H	I	J
1	UI	Quality	Customer service	Ship & Delivery	Variety & Availability	User Privilege	Refund Policy	Gift Options	Website Perf.	Privacy & Security
2	5	3	2	0	1	2	0	2	2	3
3	5	4	4	5	5	5	5	5	3	4
4										
5										
6										

Fig: 5.14 All the ratings is updated into google worksheets for analysis

CONTACT US

Welcome to the TOYQUEST online store's Contact Page! We're thrilled to connect with you and ensure your shopping experience is as delightful as the toys we offer. We value your questions, feedback, and inquiries. Our user-friendly form allows you to share your details and message, ensuring we can address your needs promptly. We encourage you to reach out whenever you require support or have a query. Your satisfaction is our priority, and we're committed to providing excellent customer service. We look forward to hearing from you and making your experience with us truly exceptional.

Address
8364 5th Avenue, Sugar camp road,
Cupertino, California.
55060

Phone
418-090-9428

Email
chrisjordannnn@gmail.com
AdrianMatthew@gmail.com

Send Message

Full Name
Crystal Myers

Email
CrystalM96024@gmail.com

Type your message here
The toys are overall good, but there's very less options for remote control cars.

Fig: 5.15 The users reviews about general queries or posts of appreciation can be put forth here

	A	B	C
1	Name	C-email	Message
2	chris jordan	chrisjordan@gmail.com	i would really appreciate if my kid got a chance to trial play the toy before i could buy it. thank you
3	Crystal Myers	CrystalM96024@gmail.com	The toys are overall good, but there's very less options for remote control cars.
4			
5			
6			

Fig: 5.16 Customer contacted reviews are stored

TOY QUEST

[HOME](#) [TRENDING](#) [SHOP](#) [RATINGS](#) [CONTACT](#)

CART CHRONICLES

Fill it, thrill it, Cart it! Where items await their checkout destiny

REMOVE	IMAGES	PRODUCT	PRICE	QUANTITY	SUBTOTAL
		The Batman 2 Comic Accurate Figurine	\$45.50	<input type="text" value="1"/>	\$45.50
		Spider-man Infinity war/ tom holland	\$35.50	<input type="text" value="1"/>	\$35.50

Fig: 5.17 Cart section, used to increment and decrement quantities of product selected, which automatically generates the final bill.

		The Batman 2 Comic Accurate Figurine	\$45.50	<input type="button" value="I"/>	\$45.50
		Spider-man Infinity war/ tom holland	\$35.50	<input type="button" value="I"/>	\$35.50
		Iron man endgame/ RDJ	\$30.00	<input type="button" value="I"/>	\$30.00

TOTAL PURCHASE

Cart Subtotal	\$156
Shipping	Free
TOTAL	\$156

[CLICK TO CHECKOUT](#)

Fig: 5.17.1 Final bill generated, done using java script

6.0 CONCLUSION

The Toy Quest website is a captivating and user-centric platform that brings the joy of play to life. With its visually engaging design, intuitive navigation, and comprehensive features, the site provides a seamless and enjoyable experience for visitors of all ages. From browsing the latest toy trends and exploring customer reviews to effortlessly shopping for a wide range of toys and games, every aspect of the website is thoughtfully designed to cater to the needs and interests of its users. The interactive shopping cart and checkout process, along with convenient contact and subscription options, further enhance the user journey. With its commitment to quality, creativity, and customer satisfaction, Toy Quest is not just a toy store, but a dynamic and engaging online playground that fosters excitement and cherished memories through play.

7.0 REFERENCES

W3Schools: Provides comprehensive tutorials on HTML and CSS with interactive examples.
<https://www.w3schools.com/>

MDN Web Docs: Offers detailed guides and documentation on web development, including HTML and CSS. <https://developer.mozilla.org/en-US/>

Font Awesome: The official website provides information and documentation for using Font Awesome icons. <https://fontawesome.com/>

Google Apps Script: Create and deploy scripts for form submission.
<https://developers.google.com/apps-script>

Codecademy: An interactive course to learn JavaScript basics.
<https://www.codecademy.com/learn/introduction-to-javascript>

CSS-Tricks: Provides a guide to Flexbox and other CSS layout techniques. <https://css-tricks.com/snippets/css/a-guide-to-flexbox/>

Responsive Web Design Basics: Google's guide to responsive design principles.
<https://developers.google.com/web/fundamentals/design-and-ux/responsive>