

Toy Store Web-Application

A Project Report

Submitted in Partial fulfilment of the
Requirements for the for the award of the Degree of

BACHELORS OF SCIENCE (COMPUTER SCIENCE)

By Ayaan Amin Shaikh

Roll No - 25

Seat No – _____

Under the esteemed guidance of

Prof. Javed Pathan

Assistant Professor



DEPARTMENT OF COMPUTER SCIENCE

RIZVI COLLEGE OF ARTS, SCIENCE AND COMMERCE

(Affiliated to University of Mumbai)

MUMBAI-400050

MAHARASHTRA

2024-2025

RIZVI COLLEGE OF ARTS, SCIENCE AND COMMERCE

(Affiliated to University of Mumbai)

MUMBAI-MAHARASHTRA-400050

DEPARTMENT OF COMPUTER SCIENCE



CERTIFICATE

This is to certify that the project entitled, “**Ecommerce Toy Store Web -Application**”, is benefited work of **Your Name** bearing **Seat No: 25** submitted in **Partial fulfilment of the requirements for the award of degree of BACHELOR OF SCIENCE in COMPUTER SCIENCE** from **University of Mumbai**.

Project Guide

HOD

External Examiner

Date:

College Seal

ACKNOWLEDGEMENT

I owe special thanks to the department of Computer Science of **Rizvi College of Arts Science and Commerce** for giving me a chance to prepare this project. I thank the Principal, **Dr. Ashfaq Khan** for his leadership and management. I thank the Coordinator and the Head of the Department **Professor Arif Patel** for providing us the required facilities and guidance throughout the course which culminated into the thesis. last but not the least to the project guide for this odd semester – **Professor Javed Pathan** and also to my **Parents and Friends** for supporting me throughout the semester and helping me in finalizing the project. Also deep gratitude to the **Staff and Faculty of Rizvi College of Arts Science and Commerce** for their help and support

**ECOMMERCE TOY STORE WEB
APPLICATION USING PHP**

RIZVI COLLEGE OF ARTS, SCIENCE AND COMMERCE
(Affiliated to University of Mumbai) MUMBAI-
MAHARASHTRA – 400050

DEPARTMENT OF COMPUTER SCIENCE



DECLARATION

I, **Ayaan Amin Shaikh**, Roll No.**25**, hereby declare that the project synopsis entitle “ **ECOMMERCE TOY STORE WEB-APPLICATION**”, submitted for approval, **for Bachelors of Science** in Computer Science Sem V project. For academic year **2024-25**

Signature of the Guide

Signature of the Student

Place:

INTRODUCTION:

Toy Heaven Is an Innovative Ecommerce Platform dedicated to bringing joy to children and parents alike by offering a wide variety of high quality, safe and educational toys. Our user friendly website ensures a seamless shopping experience making it easy for customers to find and purchase the perfect toy for kids of all age groups.

At Toy Haven, we believe in the magic of play. Our mission is to inspire joy, creativity, and learning through an extensive selection of high-quality toys for children of all ages. As a premier online toy store, we pride ourselves on offering a diverse range of toys that cater to every child's unique interests and developmental needs.

From timeless classics to the latest trends, our curated collection includes everything from action figures and dolls to puzzles, board games, educational toys, and outdoor play equipment. We understand that toys are more than just playthings—they are tools that foster imagination, encourage exploration, and create lasting memories

Key Features:

1. Extensive Toy Selection:

Browse through an extensive collection of toys, including action figures, dolls, puzzles, board games, educational toys, and outdoor play equipment. Featured categories: New Arrivals, Best Sellers, Age Groups, Brands, and Themes.

2. Personalized Shopping Experience:

Use advanced search filters to find toys based on age, interest, brand, and price range
Receive personalized toy recommendations based on browsing history and preferences.

3. Safe and Secure Shopping:

SSL encryption and secure payment gateways ensure customer data protection. Comprehensive product descriptions, reviews, and ratings help customers make informed decisions

4. Fast and Reliable Shipping:

Multiple shipping options, including standard, express, and same-day delivery. Real-time order tracking and updates.

5. Customer Support:

Dedicated customer support team available via chat, email, and phone. Comprehensive FAQ section and return policy to ensure customer satisfaction .

OBJECTIVES:

1. Provide a Wide Selection of Quality Toys:

- Offer an extensive range of toys that cater to various age groups, interests, and developmental needs, ensuring customers can find exactly what they're looking for.

2. Ensure Customer Satisfaction:

- Deliver a seamless and enjoyable shopping experience with an easy-to-navigate website, detailed product information, and excellent customer service.

3. Promote Safety and Reliability:

- Guarantee that all toys meet the highest safety standards and provide secure payment options to protect customer data and ensure a trustworthy shopping environment.

4. Encourage Educational and Creative Play:

- Curate a selection of toys that foster learning, creativity, and development, helping children grow and explore their imaginations.

5. Offer Competitive Pricing and Special Deals:

- Provide competitive prices, regular promotions, and loyalty programs to ensure customers receive the best value for their money.

6. Enhance Customer Engagement:

- Build a vibrant community through social media, newsletters, and a blog featuring expert articles, parenting tips, and toy reviews, fostering a deeper connection with our customers .

METHODOLOGY:

1. The project will be completely developed and modeled in the “ Spiral based model ”, as adequate amount of analyzing, developing and testing is required.
2. The “ Spiral Model ” is much more useful as we are able to test the current modules at every instance before finalizing out for the end product.
3. Firstly, the requirement analysis is conducted to get know the actual requirements and objectives of the website, such as needs of the community, determining the desired features and functionalities.
4. Further the content as well as website development work is carried out once the design and content is approved by the representative as well the developer. Leading in utilizing suitable technologies and frameworks to create a responsive and user-friendly website.
5. Even after carrying out multiple testing sessions during the development, one final testing is done ensuring the functionality, usability, and security, identifying and rectifying any bugs or issues.
6. A user-friendly content management system is also implemented to facilitate easy updating and management of the website’s content.
7. Once all components of the website are developed, tested and approved, the website will be deployed to a suitable hosting environment.

By following this methodology, the Ecommerce Toy Store website project can be executed systematically, resulting in the development and launch of a user-friendly, engaging website that fulfills the objectives and need of the user.

SCOPE:

1. The project involves the development and design of an official website of Toy Store.
2. It includes creating a user-friendly interface, incorporating relevant sections and pages, and ensuring a responsive design that is accessible across windows.
3. The structuring of the website ensures easy navigation and retrieval of information. This includes categorizing logins, services, facilitating efficient access to the required information.
4. The project involves the creation of informative and engaging content for the website. This includes developing clear and concise platform for shopping and buying toys online effectively.
5. The project may involve integrating the website with social media platforms to expand the reach large number of Audience.

By defining the scope of the project, the Toy Store Website can be developed and implemented effectively, providing an efficient platform for online shopping of toys.

TOOLS AND TECHNOLOGIES:

1. The project consists of various different “Tools and Technologies” to get the most desirable outcome for both, the users as well as the admins
2. The tools and technologies used in this website are PHP, MySQL, XAMPP, and BOOTSTRAP.
3. PHP plays a major role in the development of the frontend as well as the backend of the website. It helps in the designing as well as in connecting the databases or the backend with the frontend i.e the UI.
4. MySQL is used for the creation of databases that are required for the storing the data as well as the functioning of the website. We can also access it on XAMPP.
5. XAMPP does the job of providing the website a server on the browser. Along with that it contains inbuilt Apache as well as MySQL
6. BOOTSTRAP is majorly used for systematic implementations of the modules as well as designing the User-Interface to make it more easier as well as to give it a more professional look to the website

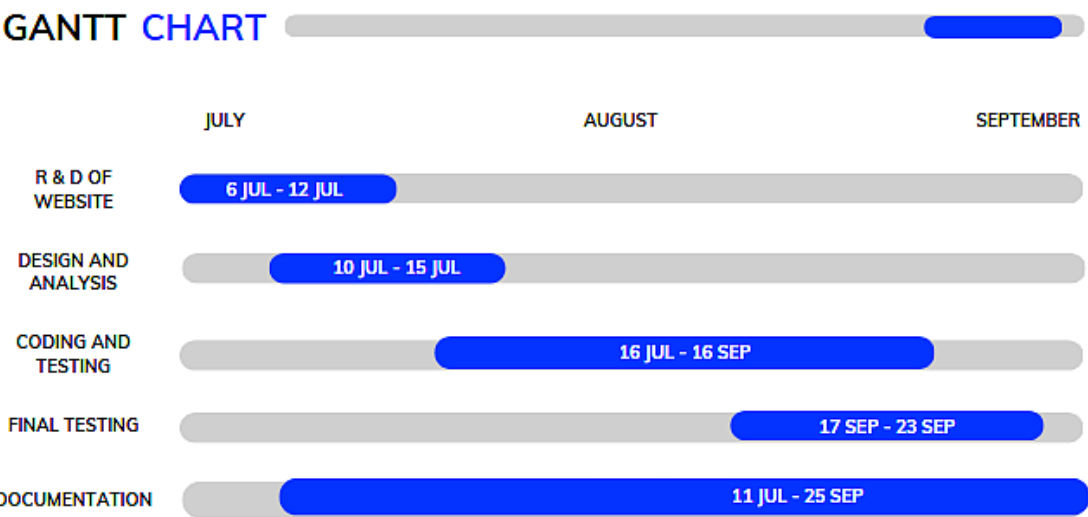
The above mentioned are the tools and technologies which are required and used by the developer. Along with it there are a few basic requirements mentioned below for both the User as well as for the developer.

1. The requirements needed for the Developers are Laptop or a Desktop machine containing some high-end specifications for ensuring the smooth running of the website.
2. And the requirements needed for the users are a Mobile device or desktop machine with a good network connection and browsers installed in it.

With the mentioned tools and technologies the users as well as the developer can access the website with ease .

TIMELINE:

The timeline of the overall project can be represented with the Gantt Chart below. [2]



TASK	DURATION	START-DATE	END-DATE
R&D OF WEBSITE	1 WEEK	06-07-23	12-07-23
DESIGN AND ANALYSIS	5 - DAYS	10-07-23	15-07-23
CODING AND TESTING	8 WEEKS	16-07-23	16-09-23
FINAL TESTING	1 WEEK	17-09-23	23-09-23
DOCUMENTATION	10 WEEK	13-07-23	25-09-23

RESOURCES:

1. Human Resources:

- The developer is solely responsible for performing all necessary roles required to fulfill the human resource needs.

2. Hardware and Software:

- Computers or laptops are required for the development and testing of the website.
- Web development tools such as text editors, integrated development environments (IDEs), and content management system (CMS) software.
- Server and hosting infrastructure to support the website, including domain registration and hosting services.

3. Content and Information:

- Proper, detailed information about the products and contact details.
- Resource materials such as hot selling products can added

4. Collaborative Inputs:

- Financial resources allocated for web development, design, content creation, hosting, domain registration, and ongoing maintenance.

5. Time and Timelines:

- Sufficient time should be allocated for requirement gathering, design, development, testing, content creation, and the launch of the website.
- Timelines and milestones need to be established to ensure the timely completion of the project.

By ensuring access to these necessary resources, the Ecommerce Toy Store website project can be effectively executed, resulting in the development of a functional, informative, and user-friendly website that serves the needs of customer buying products

EXPECTED OUTCOMES:

1. Get Variety of toys at just one click
2. Educational toys for childrens at the best and affordable rates without visiting the store physically.
3. Increased Sales the most immediate goal is to generate sales through online purchases. A well-designed eCommerce website should result in more transactions and increased revenue.
4. Cost Reduction, An Ecommerce Website can lower overhead costs associated with running a physical store, including rent and staffing costs.

ADVANTAGES & LIMITATIONS:

Some Advantages of Ecommerce Toy store are

Increases Sales and Revenue:

E-commerce always helps to increase sales and revenue as it widens the market by reaching out to new customers. It also allows businesses to offer discounts and incentives that are not possible in a physical store. There are also many opportunities for cross-selling and upselling.

Reduces Costs:

E-commerce also helps reduce business costs as it eliminates the need for a physical store and sales staff. It also reduces inventory costs and transportation costs. There are also many opportunities for cost-saving through online auctions and supply chains.

Eliminates Geographic Barriers:

E-commerce also eliminates geographic barriers, as customers can buy goods and services from anywhere in the world. This allows businesses to sell to new markets and expand their customer base. It may also help to reduce the cost of doing business.

Improves Customer services:

This is because e-commerce allows businesses to offer 24/11 customer service, which is not possible in a physical store. It also allows customers to compare prices and products from different retailers easily. Sometimes there are also additional services, such as customer reviews and ratings, that are not available in a physical store.

Increases Efficiency:

Efficiency is increased as orders can be placed and processed quickly and easily through an e-commerce website. This eliminates the need for paperwork and reduces the chances of human error. It also allows businesses to track inventory levels and sales trends in real-time.

Limitations f ecommerce are :

1. The store cannot be accessed without internet.
2. Technical challenges like down time of server due to maintenance of site takes much time as needed which can lead to loss in sales
3. The website is vulnerable to hacking, fraud, and other cyber threats, which could damage the store's reputation and lead to financial losses.

4. There is a lack of social interaction, as people cannot see or touch the product before they buy it. This may lead to dissatisfaction with the purchase if the product is not what was expected.

5 . It can be difficult to return products that have been bought online. This is because businesses often require the product to be returned in its original packaging, which may not be possible if the product has been used. There may also be shipping costs involved in returning the product

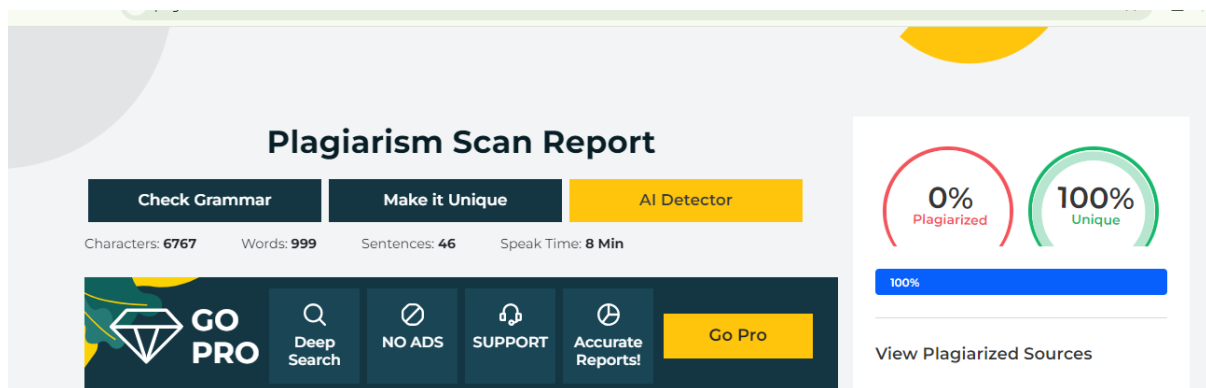
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PLAGIARISM REPORT [22]

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A plagiarism report is typically generated by plagiarism detection software or services. It scans a given document or text for similarities to existing sources, such as published articles, books, websites, and other written material. When the software identifies matching or highly similar content, it highlights or marks the specific passages that may be considered plagiarized.



Plagiarism check for Ecommerce Toy Store Website

DECLARATION

I hereby declare that the project entitled, “**Toy Store Web-Application**” done at **Rizvi College of Arts, Science and Commerce**, has not been in any case duplicated to submit to any other university for the award of any degree. To the best of my knowledge other than me, no one has submitted to any other university.

The project is done in partial fulfilment of the requirements for the award of degree of **BACHELOR OF SCIENCE (COMPUTER SCIENCE)** to be submitted as final semester project as part of our curriculum.

Ayaan Amin Shaikh

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CHAPTER 1. INTRODUCTION

1.1 Introduction to the Web-App ^[4]

Welcome to Toy Heaven, your one-stop destination for all things playful and fun! Our web application offers a wide range of toys for kids of all ages, from educational games to action figures. Browse our collection, discover the latest trends, and find the perfect toy to spark your child's imagination. Enjoy seamless shopping, fast delivery, and top-notch customer service—all at your fingertips. Dive into the world of joy with Toy Heaven today!

1.2 Aim

The aim of the Toy Store web application is to provide a convenient and enjoyable online shopping experience for parents, guardians, and toy enthusiasts. It aims to offer a wide selection of high-quality toys that cater to various age groups and interests, ensuring that customers can easily find and purchase the perfect toys for their children. The platform also strives to deliver exceptional customer service, secure transactions, and fast delivery, making it a trusted and reliable destination for all toy-related needs. Ultimately, the goal is to create a user-friendly, engaging, and fun environment where shopping for toys is as delightful as playing with them.

1.3 Objectives ^[5]

The objective of the Toy Store web application is to provide a convenient and enjoyable platform for purchasing a wide variety of toys, ensuring a seamless shopping experience that meets the needs of parents and delights children of all age groups. Offer an extensive range of toys that cater to various age groups, interests, and developmental needs, ensuring customers can find exactly what they're looking for.

1.4 Goal

The goal of the Toy Store web application is to become the leading online destination for purchasing toys by offering a diverse range of high-quality products, a seamless shopping experience, and exceptional customer service. Make it easy for customers to find, compare, and purchase toys that suit their needs and preferences. Provide a user-friendly interface, secure payment options, and fast delivery to ensure a hassle-free shopping experience. Offer toys that foster creativity, education, and development in children. Grow the customer base by reaching new audiences through effective marketing and a strong online presence. Ultimately, the goal is to bring joy to children and convenience to parents by being the go-to platform for all toy-related purchases.

1.5 Need of Application

The Toy Store web application meets the modern consumer's demand for convenience, as it is essential for providing busy parents with convenient, 24/7 access to a wide selection of toys. It offers personalized shopping experiences, easy product comparison, and access to exclusive deals, all in a secure online environment. The platform also allows the store to reach a global audience, expanding its market and increasing sales.

CHAPTER 2. REQUIRED SPECIFICATION

2.1 Introduction

The system requirements for the Toy Store web application define the necessary technical specifications and resources needed to develop, deploy, and operate the platform effectively. These requirements ensure the application runs smoothly, providing users with a seamless and responsive experience. They encompass both hardware and software components, including server specifications, database management, front-end and back-end technologies, security measures, and network infrastructure. By outlining these requirements, we aim to build a robust, scalable, and secure platform that meets the needs of our customers and supports the growth of the business.

2.2 System Environment

The system environment for the Toy Store Web App is a critical aspect of its design and operation. It encompasses the hardware, software, network infrastructure, and other components that collectively enable the app to function effectively

2.3 Software Requirements

- Web Browser
- Xampp
- Apache server

2.4 Hardware Requirements

- Processor (CPU): Intel Core i3, i5 , i7 third generation or above □ Operating System: Windows , Linux , MacOS on any operating system.
- Memory : Minimum 4 GB RAM
- Storage: Minimum 128 GB internal storage drive
- Monitor/Display: 14” LCD monitor , resolution of 1600 x 900 for better view.

2.5 Methodology ^[3]

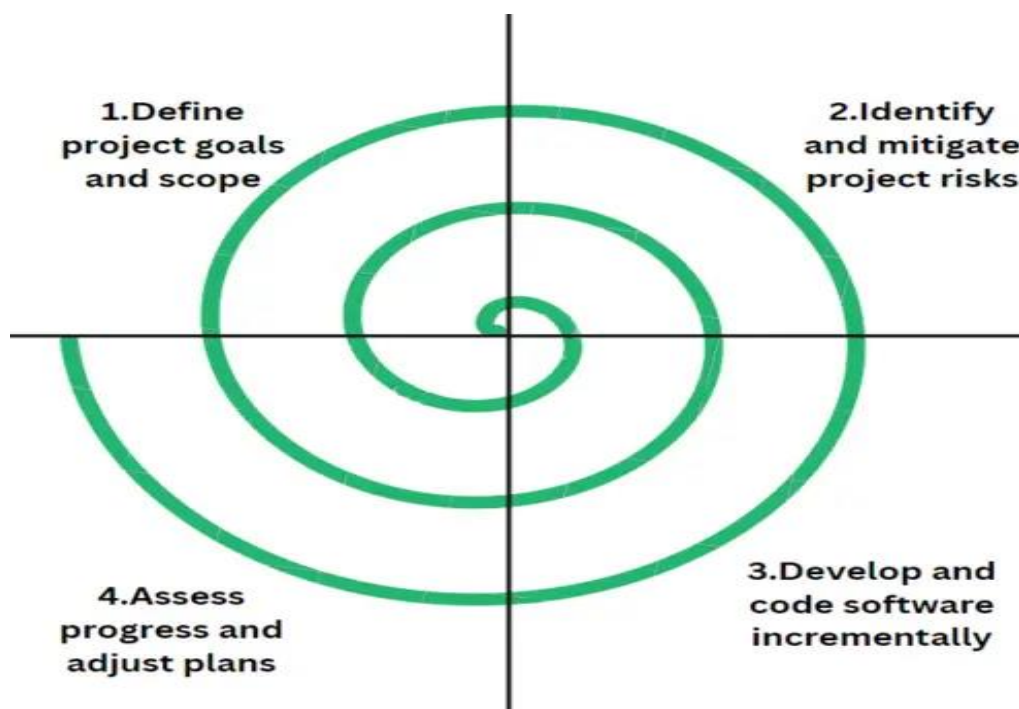
The development of the Toy Store Web App will follow the Spiral Model, a flexible and iterative software development methodology that aligns well with the complex and evolving nature of law enforcement needs. The Spiral Model comprises multiple iterative cycles, each consisting of four main phases: Planning, Risk Analysis, Engineering, and Evaluation. In the Planning phase,

we will define the project's objectives, requirements, and constraints, establishing the groundwork for subsequent iterations. The Risk Analysis phase will assess potential risks and uncertainties specific to law enforcement, such as data security and regulatory compliance, allowing us to devise risk mitigation strategies. The Engineering phase will encompass the actual development of the web app, incorporating feedback and enhancements from each iteration. Finally, the Evaluation phase will involve thorough testing, user feedback collection,. These iterative cycles will allow us to progressively refine the Toy Store Web App, ensuring that it meets the evolving needs of all users ,while maintaining a strong focus on security, functionality, and user satisfaction.

2.5 Spiral Model ^[20]

The Spiral Model is a software development methodology that combines elements of both iterative and waterfall models in a structured, flexible approach. It is characterized by a series of iterative cycles, or "spirals," each of which consists of four primary phases: Planning, Risk Analysis, Engineering, and Evaluation. During the Planning phase, project objectives, requirements, and constraints are defined. The Risk Analysis phase involves identifying potential risks and uncertainties, allowing for the development of mitigation strategies. The Engineering phase encompasses actual development, testing, and feedback collection, while the Evaluation phase evaluates the product's performance and progress toward meeting project goals. The Spiral Model's iterative nature allows for ongoing refinement and adaptation as the project progresses, making it particularly suited for complex projects with evolving requirements and a focus on managing risks effectively.

Diagram of Spiral Model :



Why Spiral Model?

The Spiral Model is chosen for software development projects because of its inherent ability to manage risks effectively while accommodating changing requirements. Its iterative approach allows for the early detection and mitigation of potential issues, reducing the likelihood of costly project failures. This model is particularly well-suited for complex projects and industries like law enforcement where evolving needs and strict compliance requirements demand a flexible and adaptive development process, ensuring that the end product aligns closely with the organization's evolving objectives and challenges.

Applications of the Spiral Model :

The Spiral Model is widely used in the software industry as it is in sync with the natural development process of any product, i.e., learning with maturity which involves minimum risk for the customer as well as the development firms. A few pointers of the spiral model are as follows:

1. Ideal for managing evolving requirements in dynamic software projects.
2. Well-suited for complex systems development where risk mitigation is critical.
3. Effective in industries with strict compliance and regulatory requirements.
4. Enables iterative refinement of prototypes and proof-of-concept applications.
5. Valuable for research and development projects involving experimentation.
6. Facilitates client-centric projects that require active user involvement and feedback.

CHAPTER 3. SYSTEM ANALYSIS

3.1 System Analysis ^[12]

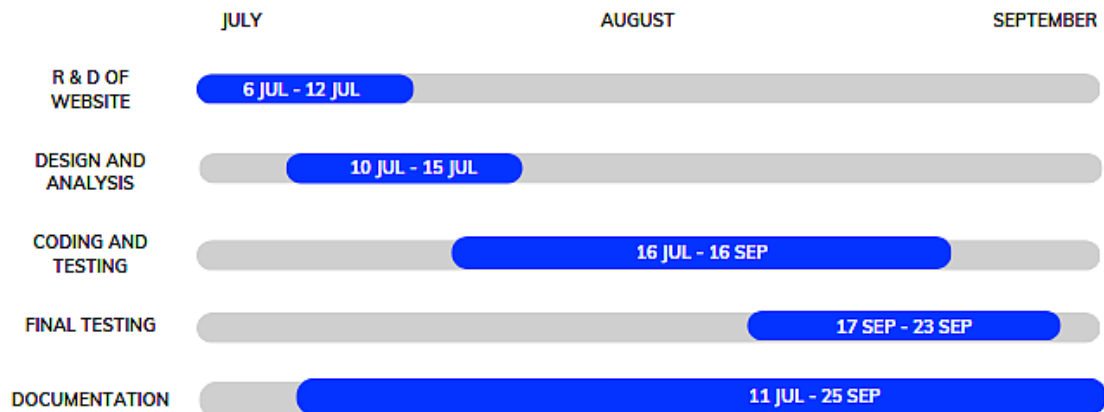
System analysis is a structured process used to study, understand, and evaluate complex systems or processes. It involves breaking down a system into its components, examining how those components interact, and assessing their efficiency and effectiveness in achieving specific objectives.. Through techniques like data gathering, modeling, and evaluation, system analysis aims to identify problems, opportunities for improvement, and optimal solutions, ensuring that systems are designed, maintained, and upgraded to meet desired goals efficiently. The primary goal of system analysis is to bridge the gap between existing system deficiencies and desired outcomes by proposing solutions that enhance functionality, streamline operations, reduce costs, and improve overall performance.

3.2 Analysis of the Proposed System

- The system planning started to strategize for evolving the ideas and successfully getting a clear picture of how the new system will provide the functionalities and implement it.
- Firstly, we decided the tools and technologies on which the system will work. And then the functioning of the modules (Admin, Users, etc).
- Secondly, considering the limitations in the existing system, a proper storage (databases) were created.
- Allowing the Admin to see all the users and grant some permission to them
- Reducing the load of admin by giving some authorities to some verified users , Proper tracking of the orders

3.3 Gantt chart ^[2]

GANTT CHART



TASK	DURATION	START-DATE	END-DATE
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DOCUMENTATION	10 WEEK	13-07-23	25-09-23

CHAPTER 4. SURVEY OF TECHNOLOGY

4.1 PHP [8]

PHP, which stands for "Hypertext Preprocessor," is a widely-used, open-source, server-side scripting language designed for web development. What sets PHP apart is its ability to embed directly within HTML, enabling the creation of dynamic web pages and web applications. It runs on a web server, processing code and generating HTML content that is sent to a user's web browser, allowing for a seamless mix of dynamic and static content.

In summary, PHP is a powerful and versatile scripting language for web development. It offers a broad range of applications, from creating simple, static web pages to complex web applications. Its open-source nature, extensive community support, and compatibility with various databases make it an enduring and valuable technology in the realm of web development.



4.2 CSS ^[14]

CSS (Cascading Style Sheets) is a fundamental web technology used to control the presentation and layout of web pages. It plays a crucial role in defining how HTML elements should be displayed in terms of design, such as colors, fonts, spacing, and positioning. CSS separates the content (HTML) of a web page from its design, enabling developers to create consistent and visually appealing websites.

CSS operates on a set of rules that dictate how elements are styled. These rules can be applied directly within HTML tags as inline styles, in the document header as internal styles, or in separate external CSS files. The latter approach is most common, allowing for efficient and consistent styling across an entire website.

Selectors in CSS are used to target specific HTML elements, while properties define how they should appear. For example, you can select all paragraphs in a document and specify that they should have a certain font, size, and color. CSS also supports various layout and positioning techniques, like flexbox and grid, which are instrumental in creating responsive and structured web layouts. With CSS, web designers have the flexibility to adapt the presentation of web content to various devices and screen sizes, providing a seamless user experience across the web.



4.3 JavaScript ^[19]

JavaScript is a versatile and widely-used programming language primarily known for its role in web development. It's a client-side scripting language, meaning it runs directly in the web browser of the user. JavaScript enables interactive and dynamic elements on websites, making it a cornerstone of modern web applications.

Developed to add interactivity to web pages, JavaScript is instrumental in activities like form validation, image sliders, and real-time updates. It can manipulate the Document Object Model (DOM) of a web page, allowing for the modification of content and styles in response to user actions, such as button clicks or input changes. JavaScript also facilitates asynchronous programming, which is crucial for handling network requests, enabling features like dynamic content loading and real-time data updates.

Moreover, JavaScript has expanded beyond just the web and is now used in server-side development (Node.js), game development (in platforms like Unity or Phaser), and even for creating mobile applications using frameworks like React Native. Its widespread adoption, large developer community, and extensive ecosystem of libraries and frameworks make JavaScript an essential language for building interactive and responsive digital experiences across various platforms.



4.4 Xampp ^[13]

XAMPP is a popular and user-friendly open-source software package that simplifies the setup and management of a local web development environment. The name "XAMPP" is an acronym representing the various components it integrates: "X" for cross-platform, "A" for Apache (a web server), "M" for MySQL (a database management system), "P" for PHP (a scripting language), and "P" for Perl (another scripting language).

XAMPP's user-friendly interface allows users to start, stop, or configure the integrated web server, database server, and scripting language interpreters with ease. It's a valuable tool for developing and testing websites, content management systems, e-commerce platforms, and a wide range of web-based applications locally, without the need for an internet connection or an external server. Moreover, XAMPP is not limited to just PHP; it supports multiple programming languages and can be extended with additional components and plugins, making it a comprehensive local development environment for web projects.



4.5 MySQL

MySQL is an open-source relational database management system (RDBMS) known for its reliability, flexibility, and performance. Developed by Oracle Corporation, MySQL is one of the most widely used database systems in the world, powering countless web applications, content management systems, e-commerce platforms, and more.

As an RDBMS, MySQL organizes data into structured tables, enabling efficient storage, retrieval, and management of information. It uses a variant of the SQL (Structured Query Language) for querying and managing data. MySQL supports ACID (Atomicity, Consistency, Isolation, Durability) properties, making it suitable for applications that require data integrity and transaction support.

MySQL is highly scalable and can handle large datasets with ease. It provides various storage engines, each optimized for specific use cases, allowing developers to choose the engine that best fits their application's requirements. Notable features include multi-user support, data replication for high availability, and a rich ecosystem of tools and libraries, making it a robust and reliable choice for database-driven applications.



CHAPTER 5. SYSTEM DESIGN

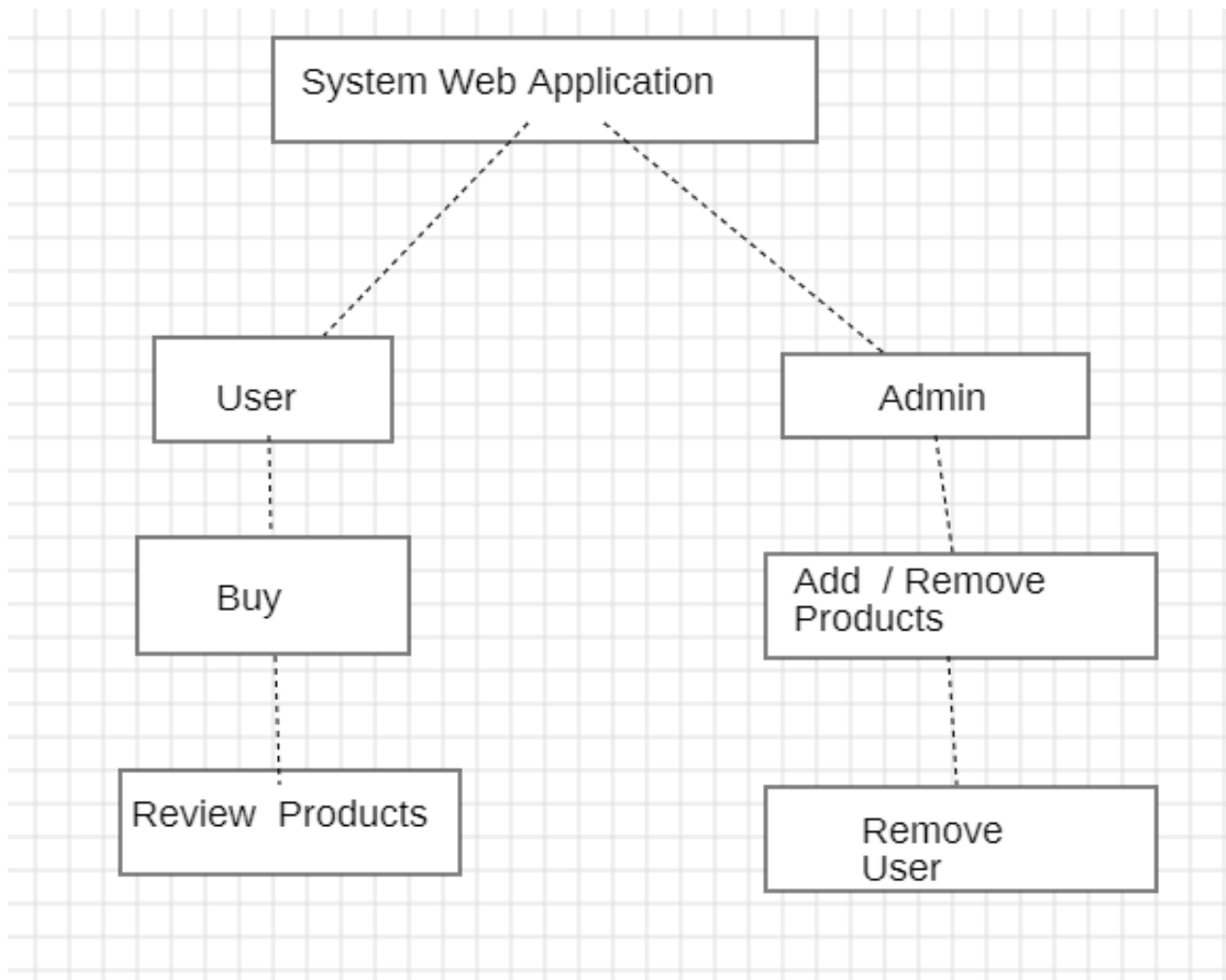
5.1 Introduction ^[10]

In the dynamic landscape of modern technology and law enforcement, the system design of our web app stands as a pivotal and strategic phase in our journey toward revolutionizing the way of buying toys online. The systematic design of our web app not only signifies the culmination of meticulous planning but also represents the bridge between the conceptualization of our digital solution and its practical implementation.

As we delve into the intricacies of the system design, this documentation will offer a comprehensive overview of the core components, infrastructure, data flow, and security measures that define the framework of the Ecommerce Toy Store Web App.

5.2 System Architecture Diagram

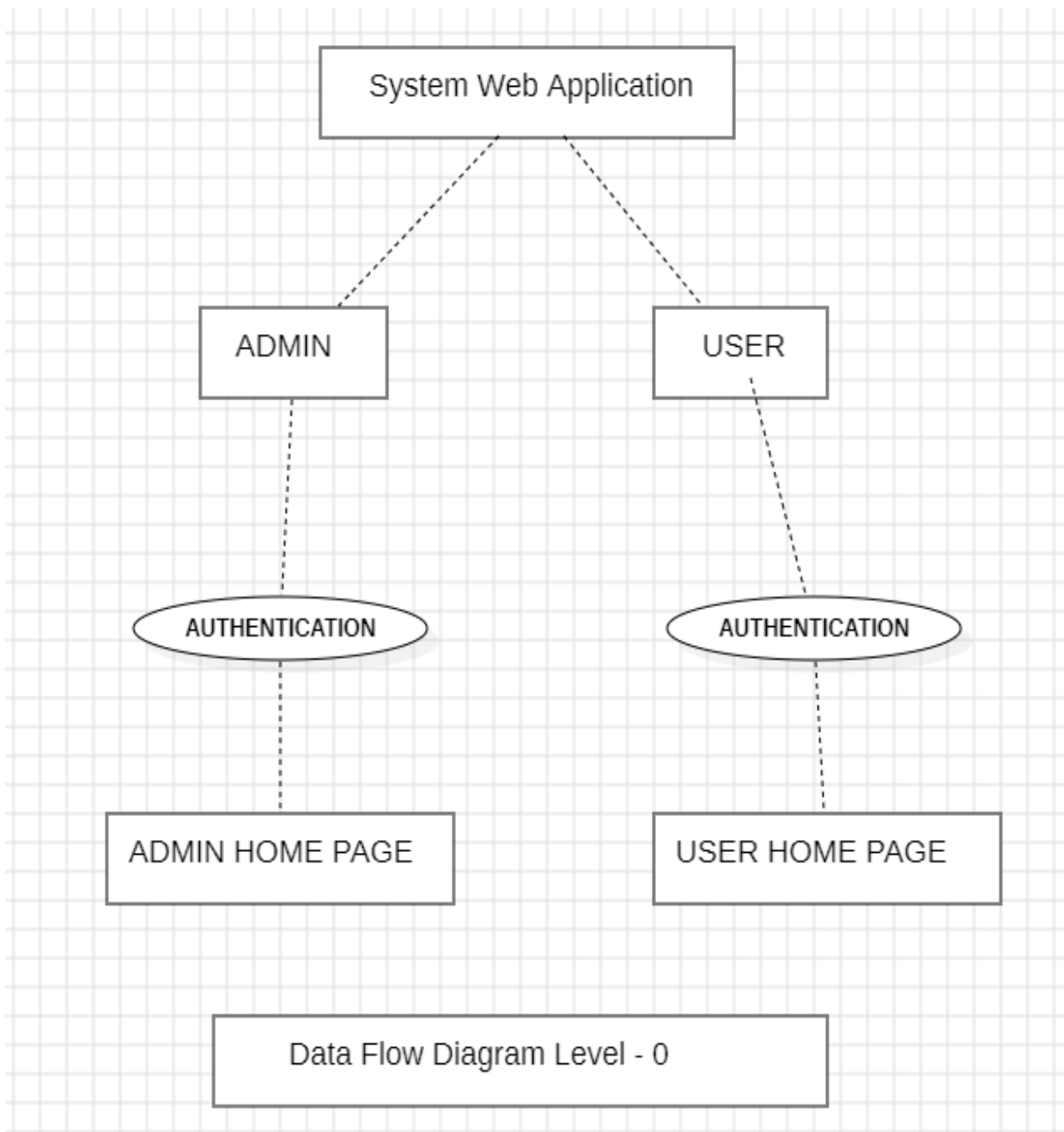
The system architecture diagram is a visual representation of the system architecture. It shows the connections between the various components of the system and indicates what functions each component performs. The general system representation shows the major functions of the system and the relationships between the various system components.



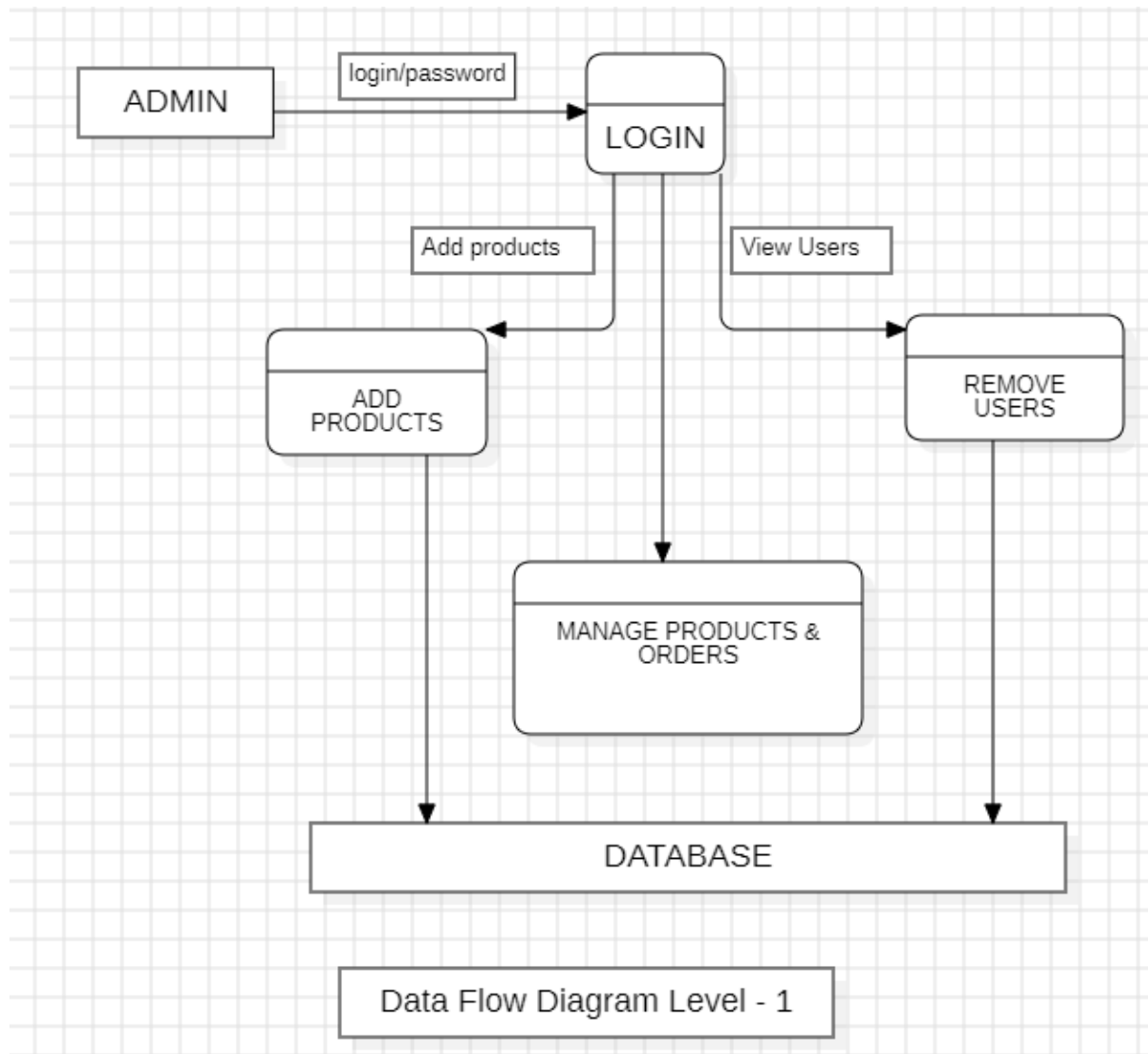
5.3 Data Flow Diagram

Data flow diagrams are used to graphically represent the flow of data in a business information system. DFD describes the processes that are involved in a system to transfer data from the input to the file storage and reports generation.

Data Flow Diagram Level – 0



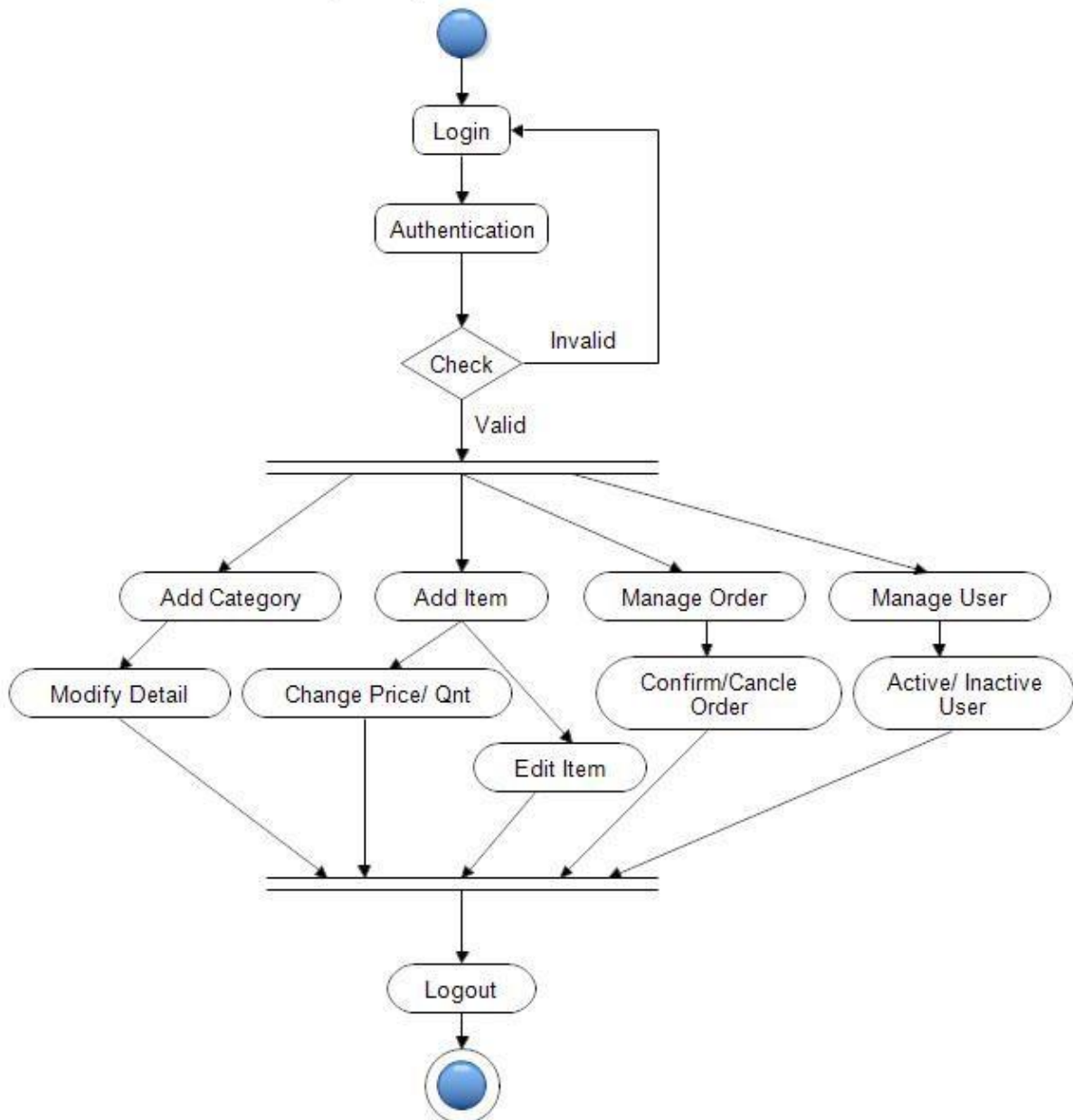
Data Flow Diagram Level – 1 (Admin)



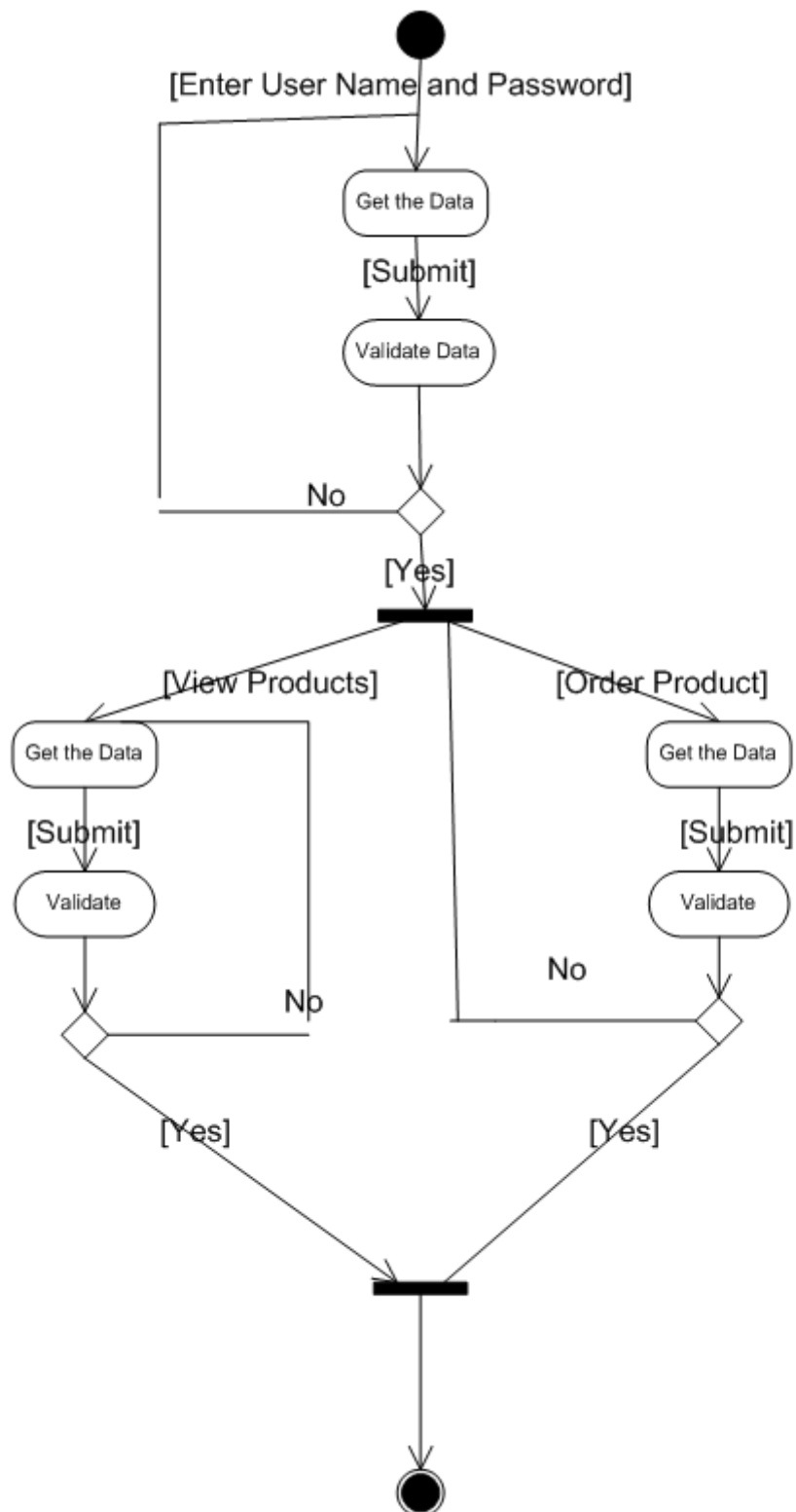
5.4 Activity Diagram [15]

An activity diagram is a type of UML (Unified Modeling Language) diagram used to visualize and model the flow of activities, actions, and decisions within a system, process, or workflow. It helps in depicting the sequential and parallel activities, along with decision points and control flows, making it a valuable tool for understanding, documenting, and improving processes or systems in various domains, such as software development, business processes, and project management.

Activity Diagram for Admin Side

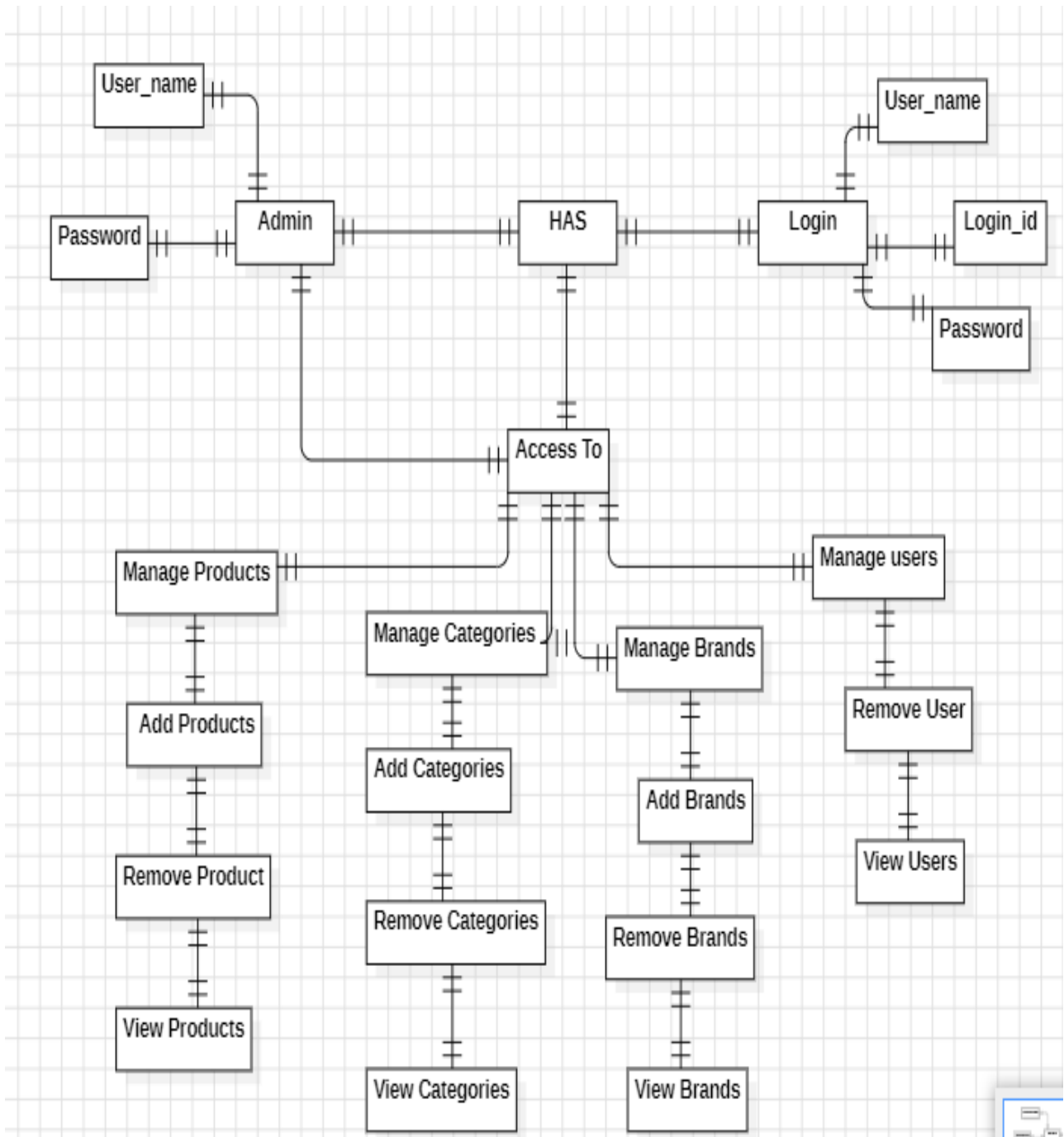


Activity Daigram for User side



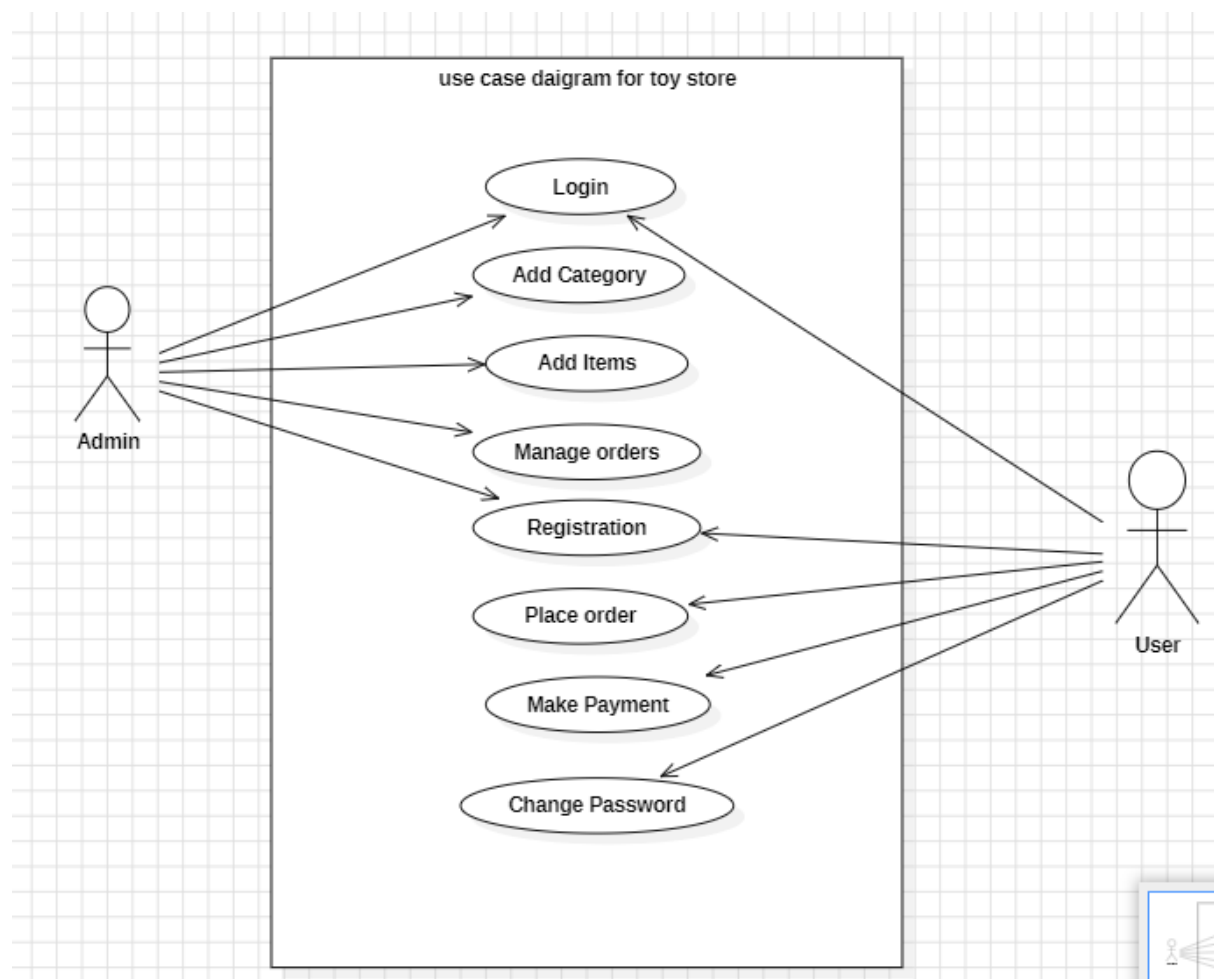
5.5 E-R Diagram ^[16]

An ER diagram shows the relationship among entity sets. An entity set is a group of similar entities and these entities can have attributes. In terms of DBMS, an entity is a table or attribute of a table in database, so by showing relationship among tables and their attributes, ER diagram shows the complete logical structure of a database. Entity Relational (ER) Model is a high-level conceptual data model diagram. ER modelling helps you to analyse data requirements systematically to produce a well-designed database. The Entity-Relation model represents real-world entities and the relationship between them.



5.6 Use-Case Diagram ^[17]

A use case diagram is a visual representation in Unified Modelling Language (UML) that illustrates the various ways an external actor interacts with a system or software application. It defines the functional requirements of the system by depicting different use cases (or actions) that the system must perform in response to user or external system inputs, helping to understand how the system will be used from a user's perspective and providing a high-level overview of its functionality.

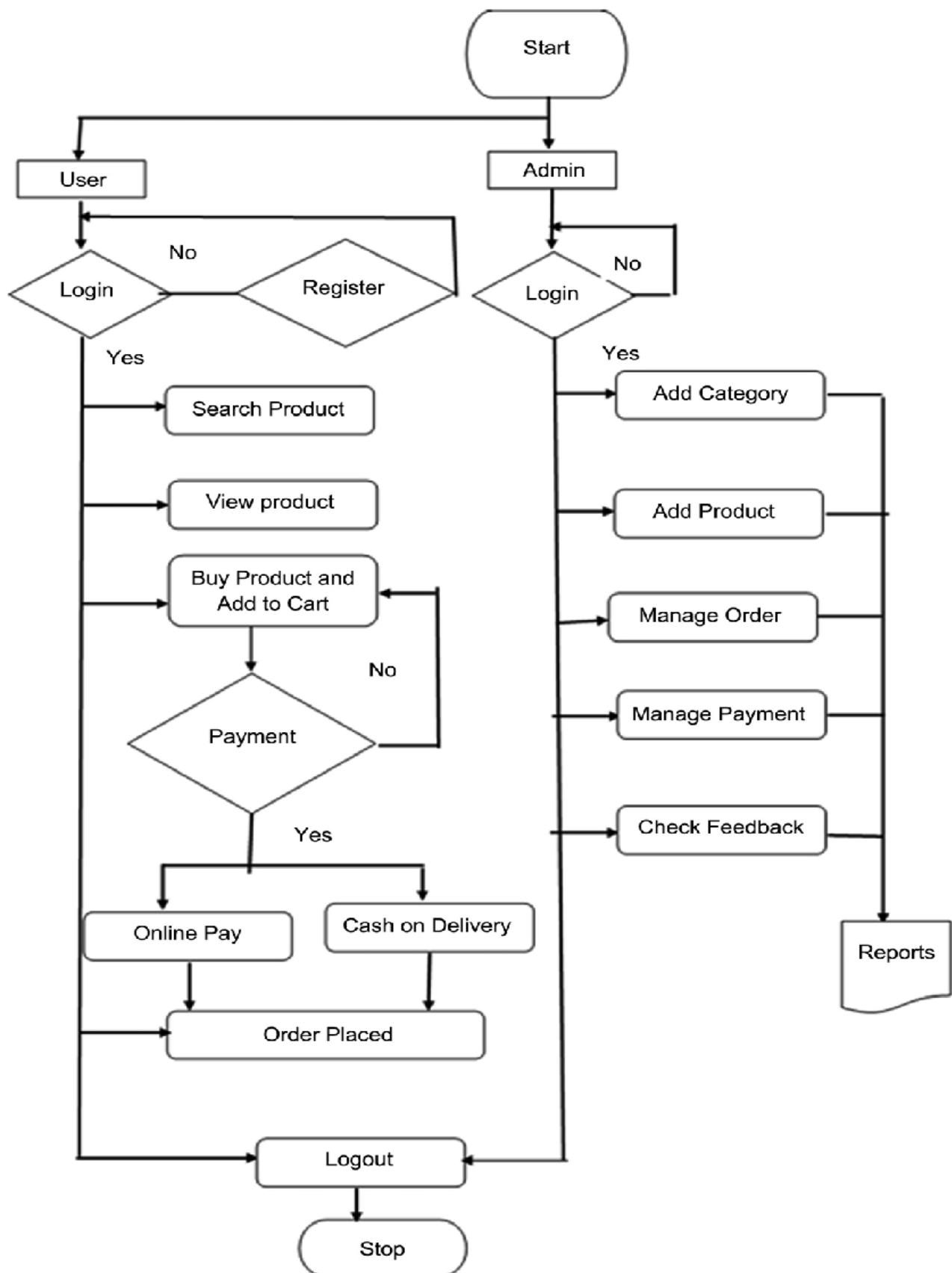


CHAPER 6. SYSTEM IMPLEMENTATION

6.1 Introduction ^[10]

Project implementation is the process of putting a project plan into action to produce the deliverables, otherwise known as the products or services, for clients or stakeholders. It takes place after the planning phase, during which a team determines the key objectives for the project, as well as the timeline and budget. Implementation involves coordinating resources and measuring performance to ensure the project remains within its expected scope and budget. It also involves handling any unforeseen issues in a way that keeps a project running smoothly.

6.2 Flowchart ^[22]



6.3 Coding

Admin

```
<?php
include('../includes/connect.php');
include('../functions/common_functions.php');
session_start();
if (isset($_SESSION['admin_username'])) {
    $admin_name = $_SESSION['admin_username'];
    $get_admin_data = "SELECT * FROM `admin_table` WHERE admin_name =
'$admin_name'";
    $get_admin_result = mysqli_query($con, $get_admin_data);
    $row_fetch_admin_data = mysqli_fetch_array($get_admin_result);
    $admin_name = $row_fetch_admin_data['admin_name'];
    $admin_image = $row_fetch_admin_data['admin_image'];
} else {
    echo "<script>window.open('../admin_login.php','_self');</script>";
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Toy Heaven Admin Dashboard</title>
    <link rel="stylesheet" href="../assets/css/bootstrap.css" />
    <link rel="stylesheet" href="../assets/css/main.css" />
    <style>
        /* Main Layout */
        .admin-dashboard {
            display: flex;
        }

        /* Left Panel */
        .admin-panel {
            width: 250px;
            background-color: #f8f9fa;
            /* Light background */
            padding: 20px;
            box-shadow: 2px 0 5px rgba(0, 0, 0, 0.1);
            /* Small shadow for separation */
            height: 100vh;
        }
        .admin-image img {
            border-radius: 50%;
        }
    </style>

```

```

        width: 150px;
        height: 150px;
        object-fit: cover;
        display: block;
        margin: 0 auto;
    }

    .admin-section {
        text-align: center;
        margin-bottom: 20px;
    }

    .buttons {
        display: flex;
        flex-direction: column;
        gap: 10px;
        text-align: center;
        align-items: center;
    }

    .buttons .btn {
        width: 100%;
        max-width: 200px;
        text-align: center;
    }

    /* Right Content Area */
    .content-area {
        flex: 1;
        padding: 20px;
    }
</style>
</head>
<body>
    <!-- Start NavBar -->
    <nav class="navbar navbar-expand-lg navbar-light bg-light">
        <div class="container">
            <a class="navbar-brand fw-bold" href="#">Toy Heaven</a>
            <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#navbarSupportedContentad" aria-controls="navbarSupportedContentad" aria-
expanded="false" aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarSupportedContentad">
                <ul class="navbar-nav ms-auto mb-2 mb-lg-0">
                    <li class="nav-item">

```

```

        <a class="nav-link active" aria-current="page" href="#">Welcome <?php
echo $admin_name; ?></a>
    </li>
    <li class="nav-item">
        <button class="btn btn-primary p-0 px-1">
            <a href="/admin_logout.php" class="nav-link text-light">Logout</a>
        </button>
    </li>
</ul>
</div>
</div>
</nav>
<!-- End NavBar -->

<!-- Admin Dashboard Layout -->
<div class="admin-dashboard">
    <!-- Left Panel (Admin Section) -->
    <div class="admin-panel">
        <div class="admin-section">
            <div class="admin-image">
                <a href="/index.php"></a>
            </div>
            <p><?php echo $admin_name; ?></p>
        </div>

        <!-- Control Buttons -->
        <div class="buttons">
            <button class="btn btn-outline-primary m-2">
                <a href="index.php?insert_product" class="nav-link">Insert Products</a>
            </button>
            <button class="btn btn-outline-primary m-2">
                <a href="index.php?view_products" class="nav-link">View Products</a>
            </button>
            <button class="btn btn-outline-primary m-2">
                <a href="index.php?insert_category" class="nav-link">Insert Categories</a>
            </button>
            <button class="btn btn-outline-primary m-2">
                <a href="index.php?view_categories" class="nav-link">View Categories</a>
            </button>
            <button class="btn btn-outline-primary m-2">
                <a href="index.php?insert_brand" class="nav-link">Insert Brands</a>
            </button>
            <button class="btn btn-outline-primary m-2">
                <a href="index.php?view_brands" class="nav-link">View Brands</a>
            </button>
            <button class="btn btn-outline-primary m-2">

```

```

        <a href="index.php?list_orders" class="nav-link">All Orders</a>
    </button>
    <button class="btn btn-outline-primary m-2">
        <a href="index.php?list_payments" class="nav-link">All Payments</a>
    </button>
    <button class="btn btn-outline-primary m-2">
        <a href="index.php?list_users" class="nav-link">List Users</a>
    </button>
</div>
<!-- End Control Buttons -->
</div>
<!-- End Left Panel -->
<!-- Right Panel (Content Section) -->
<div class="content-area">
    <?php
    // Dynamically include content based on the button clicked
    if (isset($_GET['insert_product'])) {
        include('./insert_product.php');
    }
    if (isset($_GET['view_products'])) {
        include('./view_products.php');
    }
    if (isset($_GET['insert_category'])) {
        include('./insert_categories.php');
    }
    if (isset($_GET['view_categories'])) {
        include('./view_categories.php');
    }
    if (isset($_GET['insert_brand'])) {
        include('./insert_brands.php');
    }
    if (isset($_GET['view_brands'])) {
        include('./view_brands.php');
    }
    if (isset($_GET['list_orders'])) {
        include('./list_orders.php');
    }
    if (isset($_GET['list_payments'])) {
        include('./list_payments.php');
    }
    if (isset($_GET['list_users'])) {
        include('./list_users.php');
    }
    ?>
</div>
<!-- End Right Panel -->

```

```

</div>
<!-- End Admin Dashboard -->

<script src="../../assets/js/bootstrap.bundle.js"></script>
</body>

</html>

```

Admin login

```

<?php
include('../includes/connect.php');
include('../functions/common_functions.php');
session_start();
?>
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Toy Heaven Admin Login</title>
  <link rel="stylesheet" href="../../assets/css/bootstrap.css" />
  <link rel="stylesheet" href="../../assets/css/main.css" />
</head>
<body>
  <!-- Start Landing Section -->
  <div class="landing admin-register">
    <div class="">
      <h2 class="text-center mb-1">Admin Login</h2>
      <h4 class="text-center mb-3 fw-light">Login to your account</h4>
      <div class="row m-0 align-items-center">
        <div class="col-md-6 p-0 d-none d-md-block">
          
        </div>
        <div class="col-md-6 py-4 px-5 d-flex flex-column gap-4">
          <div>
            <form action="" method="post" class="d-flex flex-column gap-4">
              <div class="form-outline">
                <label for="username" class="form-label">Username</label>
                <input type="text" name="username" id="username" class="form-
control" placeholder="Enter your username" required>
              </div>
              <div class="form-outline">
                <label for="password" class="form-label">Password</label>
                <input type="password" name="password" id="password" class="form-
control" placeholder="Enter your Password" required>

```

```

        </div>
        <div class="form-outline">
            <a href="" class="text-2 text-decoration-underline">Forgot your
passowrd?</a>
        </div>
        <div class="form-outline">
            <input type="submit" value="Login" class="btn btn-primary mb-3"
name="admin_login">
            <p class="small">
                Don't have an account? <a href="./admin_resgistration.php"
class="text-decoration-underline text-success fw-bold">Register</a>
            </p>
        </div>
    </form>
</div>
</div>
</div>
</div>
</div>
<!-- End Landing Section -->

<!-- Start Footer -->

    <!-- <div class="upper-nav primary-bg p-2 px-3 text-center text-break">
        <span>All CopyRight &copy;2023</span>
    </div> -->
    <!-- End Footer -->

    <script src="../assets/js/bootstrap.bundle.js"></script>
</body>
</html>
<?php
if (isset($_POST['admin_login'])) {
    $username = $_POST['username'];
    $password = $_POST['password'];
    $select_query = "SELECT * FROM `admin_table` WHERE admin_name='$username'";
    $select_result = mysqli_query($con, $select_query);
    $row_data = mysqli_fetch_assoc($select_result);
    $row_count = mysqli_num_rows($select_result);
    //user check about username & pass
    if ($row_count > 0) {
        if (password_verify($password, $row_data['admin_password'])) {
            $_SESSION['admin_username'] = $username;
            echo "<script>alert('Login Successfully');</script>";
            echo "<script>window.open('./index.php','_self');</script>";
        } else {
            echo "<script>alert('Invalid Credentials')</script>";

```



```

    }
    } else {
        echo "<script>alert('Username not exist')</script>";
    }
}
?>
<?php
include('../includes/connect.php');
include('../functions/common_functions.php');
session_start();
?>
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Toy Heaven Admin Registration</title>
    <link rel="stylesheet" href="../assets/css/bootstrap.css" />
    <link rel="stylesheet" href="../assets/css/main.css" />
</head>

<body>
    <!-- Start Landing Section -->
    <div class="landing admin-register">
        <div class="">
            <h2 class="text-center mb-1">Admin Registration</h2>
            <h4 class="text-center mb-3 fw-light">Create an account</h4>
            <div class="row m-0">

                <div class="col-md-6 p-0 d-none d-md-block">
                    
                </div>
                <div class="col-md-6 py-4 px-5 d-flex flex-column gap-4">
                    <div>
                        <form action="" method="post" class="d-flex flex-column gap-4"
enctype="multipart/form-data">
                            <div class="form-outline">
                                <label for="username" class="form-label">Username</label>
                                <input type="text" name="username" id="username" class="form-
control" placeholder="Enter your username" required>
                            </div>
                            <div class="form-outline">
                                <label for="email" class="form-label">Email</label>
                                <input type="email" name="email" id="email" class="form-control"
placeholder="Enter your Email" required>

```

```

        </div>
        <div class="form-outline">
            <label for="admin_image" class="form-label">Admin Image</label>
            <input type="file" name="admin_image" id="admin_image"
class="form-control" required>
        </div>
        <div class="form-outline">
            <label for="password" class="form-label">Password</label>
            <input type="password" name="password" id="password" class="form-
control" placeholder="Enter your Password" required>
        </div>
        <div class="form-outline">
            <label for="conf_password" class="form-label">Confirm
Password</label>
            <input type="password" name="conf_password" id="conf_password"
class="form-control" placeholder="Confirm your Password" required>
        </div>
        <div class="form-outline">
            <input type="submit" value="Register" class="btn btn-primary mb-3"
name="admin_register">
            <p class="small">
                You already have an account? <a href="./admin_login.php"
class="text-decoration-underline text-success fw-bold">Login</a>
            </p>
        </div>
    </form>
</div>
</div>
</div>
</div>
<!-- End Landing Section -->
<!-- Start Footer -->

<!-- <div class="upper-nav primary-bg p-2 px-3 text-center text-break">
    <span>All CopyRight &copy;2023</span>
</div> -->
<!-- End Footer -->

<script src="../assets/js/bootstrap.bundle.js"></script>
</body>

</html>
<!-- php code -->
<?php
if (isset($_POST['admin_register'])) {
    $username = $_POST['username'];
    $email = $_POST['email'];

```

```

$password = $_POST['password'];
$hash_password = password_hash($password,PASSWORD_DEFAULT);

$conf_password = $_POST['conf_password'];
$image = $_FILES['admin_image']['name'];
$image_tmp = $_FILES['admin_image']['tmp_name'];
// check if user exist or not
$select_query = "SELECT * FROM `admin_table` WHERE admin_name='$username' OR
admin_email='$email'";
$select_result = mysqli_query($con, $select_query);
$rows_count = mysqli_num_rows($select_result);
if ($rows_count > 0) {
    echo "<script>window.alert('Username | Email already exist');</script>";
} else if ($password != $conf_password) {
    echo "<script>window.alert('Passwords are not match');</script>";
} else {
    // insert query
    move_uploaded_file($image_tmp, "./admin_images/$image");
    $insert_query = "INSERT INTO `admin_table`
(admin_name,admin_email,admin_image,admin_password) VALUES
('$username','$email','$image','$hash_password')";
    $insert_result = mysqli_query($con, $insert_query);
    if ($insert_result) {
        echo "<script>window.alert('Admin added successfully');</script>";
    } else {
        die(mysqli_error($con));
    }
}
}
?>

```

User Login

```

<?php
include('../includes/connect.php');
include('../functions/common_functions.php');
@session_start();
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ecommerce User Login Page</title>
    <link rel="stylesheet" href="../assets/css/bootstrap.css" />
    <link rel="stylesheet" href="../assets/css/main.css" />

```

```

</head>
<body>

<div class="register">
  <div class="container py-3">
    <h2 class="text-center mb-4">User Login</h2>
    <div class="row justify-content-center">
      <div class="col-lg-6">
        <form action="" method="post" class="d-flex flex-column gap-4">
          <!-- username field -->
          <div class="form-outline">
            <label for="user_username" class="form-label">Username</label>
            <input type="text" placeholder="Enter your username" autocomplete="off"
required="required" name="user_username" id="user_username" class="form-control">
          </div>
          <!-- password field -->
          <div class="form-outline">
            <label for="user_password" class="form-label">Password</label>
            <input type="password" placeholder="Enter your password"
autocomplete="off" required="required" name="user_password" id="user_password"
class="form-control">
          </div>
          <div><a href="" class="text-decoration-underline">Forget your
password?</a></div>
          <div>
            <input type="submit" value="Login" class="btn btn-primary mb-2"
name="user_login">
          <p>
            Don't have an account? <a href="user_registration.php" class="text-
primary text-decoration-underline"><strong>Register</strong></a>
          </p>
          </div>
        </form>
      </div>
    </div>
  </div>
</div>
<script src="./assets/js/bootstrap.bundle.js"></script>
</body>

</html>
<?php
if (isset($_POST['user_login'])) {
  $user_username = $_POST['user_username'];
  $user_password = $_POST['user_password'];
  $select_query = "SELECT * FROM `user_table` WHERE username='$user_username'";
  $select_result = mysqli_query($con, $select_query);

```

```

$row_data = mysqli_fetch_assoc($select_result);
$row_count = mysqli_num_rows($select_result);
$user_ip = getIPAddress();
//check if user have items !-> redirect to payment | index
$select_cart_query = "SELECT * FROM `card_details` WHERE ip_address='$user_ip'";
$select_cart_result = mysqli_query($con, $select_cart_query);
$row_cart_count = mysqli_num_rows($select_cart_result);
//user check about username & pass
if ($row_count > 0) {
    if (password_verify($user_password, $row_data['user_password'])) {
        // echo "<script>alert('Login Successfully')</script>";
        $_SESSION['username'] = $user_username;
        if ($row_count == 1 && $row_cart_count == 0) {
            $_SESSION['username'] = $user_username;
            echo "<script>alert('Login Successfully')</script>";
            echo "<script>window.open('profile.php','_self')</script>";
        } else if ($row_count == 1 && $row_cart_count > 0) {
            $_SESSION['username'] = $user_username;
            echo "<script>alert('Login Successfully')</script>";
            echo "<script>window.open('payment.php','_self')</script>";
        }
    } else {
        echo "<script>alert('Invalid Credentials')</script>";
    }
} else {
    echo "<script>alert('Invalid Credentials')</script>";
}
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>User Orders Page</title>
</head>

<body>
    <?php
        // access user id
        $username = $_SESSION['username'];
        $get_user_query = "SELECT * FROM `user_table` WHERE username='$username'";
        $get_user_result = mysqli_query($con,$get_user_query);
        $row_user_data = mysqli_fetch_array($get_user_result);
        $user_id = $row_user_data['user_id'];
    ?>

```

```

<div class="container">
  <h3 class="text-center text-success mb-5">
    All my orders
  </h3>
  <table class="table table-bordered table-hover table-striped table-group-divider text-
center">
    <thead>
      <tr>
        <th>Serial NO.</th>
        <th>Order Number</th>
        <th>Amount due</th>
        <th>Total Products</th>
        <th>Invoice Number</th>
        <th>Date</th>
        <!-- <th>Complete/Incomplete</th> -->
        <th>Status</th>
        <th>Confirm</th>
      </tr>
    </thead>
    <tbody>
      <?php
        $get_order_details_query = "SELECT * FROM `user_orders` WHERE
user_id='$user_id'";
        $get_order_details_result = mysqli_query($con,$get_order_details_query);
        $serial_number = 1;
        while($row_fetch_order_details =
mysqli_fetch_array($get_order_details_result)){
          $order_id = $row_fetch_order_details['order_id'];
          $amount_due = $row_fetch_order_details['amount_due'];
          $invoice_number = $row_fetch_order_details['invoice_number'];
          $total_products = $row_fetch_order_details['total_products'];
          $order_date = $row_fetch_order_details['order_date'];
          $order_status = $row_fetch_order_details['order_status'];
          $order_complete = $row_fetch_order_details['order_status'] == 'pending' ?
'Incomplete' : 'Complete';
          echo $order_status == 'pending'? "
            <tr>
              <td>$serial_number</td>
              <td>$order_id</td>
              <td>$amount_due</td>
              <td>$total_products</td>
              <td>$invoice_number</td>
              <td>$order_date</td>
              <td>$order_status</td>
              <td>
                <a href='confirm_payment.php?order_id=$order_id' class='text-decoration-
underline'>Confirm</a>

```

```

        </td>
    </tr>
    ":"
    <tr>
        <td>$serial_number</td>
        <td>$order_id</td>
        <td>$amount_due</td>
        <td>$total_products</td>
        <td>$invoice_number</td>
        <td>$order_date</td>
        <td>$order_status</td>
        <td>
            Confirmed
        </td>
    </tr>
    ";
    $serial_number++;
}
?>
</tbody>
</table>
</div>
</body>
</html>

```

User Registration

```

<?php
include('../includes/connect.php');
include('../functions/common_functions.php');
?>

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ecommerce User Registration Page</title>
    <link rel="stylesheet" href="../assets/css/bootstrap.css" />
    <link rel="stylesheet" href="../assets/css/main.css" />
</head>

<body>

    <div class="register">
        <div class="container py-3">

```

```

<h2 class="text-center mb-4">New User Registration</h2>
<div class="row justify-content-center">
  <div class="col-lg-6">
    <form action="" method="post" enctype="multipart/form-data" class="d-flex
flex-column gap-4">
      <!-- username field -->
      <div class="form-outline">
        <label for="user_username" class="form-label">Username</label>
        <input type="text" placeholder="Enter your username" autocomplete="off"
required="required" name="user_username" id="user_username" class="form-control">
      </div>
      <!-- email field -->
      <div class="form-outline">
        <label for="user_email" class="form-label">Email</label>
        <input type="email" placeholder="Enter your email" autocomplete="off"
required="required" name="user_email" id="user_email" class="form-control">
      </div>
      <!-- image field -->
      <div class="form-outline">
        <label for="user_image" class="form-label">User Image</label>
        <input type="file" required="required" name="user_image"
id="user_image" class="form-control">
      </div>
      <!-- password field -->
      <div class="form-outline">
        <label for="user_password" class="form-label">Password</label>
        <input type="password" placeholder="Enter your password"
autocomplete="off" required="required" name="user_password" id="user_password"
class="form-control">
      </div>
      <!-- confirm password field -->
      <div class="form-outline">
        <label for="conf_user_password" class="form-label">Confirm
Password</label>
        <input type="password" placeholder="Confirm your password"
autocomplete="off" required="required" name="conf_user_password"
id="conf_user_password" class="form-control">
      </div>
      <!-- address field -->
      <div class="form-outline">
        <label for="user_address" class="form-label">Address</label>
        <input type="text" placeholder="Enter your address" autocomplete="off"
required="required" name="user_address" id="user_address" class="form-control">
      </div>
      <!-- mobile field -->
      <div class="form-outline">
        <label for="user_mobile" class="form-label">Mobile</label>

```



```

        <input type="text" placeholder="Enter your mobile" autocomplete="off"
required="required" name="user_mobile" id="user_mobile" class="form-control">
    </div>
    <div>
        <input type="submit" value="Register" class="btn btn-primary mb-2"
name="user_register">
        <p>
            Already have an account? <a href="user_login.php" class="text-primary
text-decoration-underline"><strong>Login</strong></a>
        </p>
    </div>
</form>
</div>
</div>
</div>
</div>
<script src="./assets/js/bootstrap.bundle.js"></script>
</body>

```

```
</html>
```

```
<!-- php code -->
```

```
<?php
```

```

if (isset($_POST['user_register'])) {
    $user_username = $_POST['user_username'];
    $user_email = $_POST['user_email'];
    $user_password = $_POST['user_password'];
    $hash_password = password_hash($user_password,PASSWORD_DEFAULT);
    $conf_user_password = $_POST['conf_user_password'];
    $user_address = $_POST['user_address'];
    $user_mobile = $_POST['user_mobile'];
    $user_image = $_FILES['user_image']['name'];
    $user_image_tmp = $_FILES['user_image']['tmp_name'];
    $user_ip = getIPAddress();
    // check if user exist or not
    $select_query = "SELECT * FROM `user_table` WHERE username='$user_username' OR
user_email='$user_email'";
    $select_result = mysqli_query($con, $select_query);
    $rows_count = mysqli_num_rows($select_result);
    if ($rows_count > 0) {
        echo "<script>window.alert('Username | Email already exist');</script>";
    } else if ($user_password != $conf_user_password) {
        echo "<script>window.alert('Passwords are not match');</script>";
    } else {
        // insert query
        move_uploaded_file($user_image_tmp, "./user_images/$user_image");
        $insert_query = "INSERT INTO `user_table`

```

```

(username,user_email,user_password,user_image,user_ip,user_address,user_mobile)
VALUES
('$user_username','$user_email','$hash_password','$user_image','$user_ip','$user_address','$user_mobile');
$insert_result = mysqli_query($con, $insert_query);
if ($insert_result) {
    echo "<script>window.alert('User added successfully');</script>";
} else {
    die(mysqli_error($con));
}
}
?>

```

```

<?php
include('./includes/connect.php');
include('./functions/common_functions.php');
session_start();
?>

```

```

<!DOCTYPE html>
<html lang="en">

```

```

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Toy Heaven</title>
    <link rel="stylesheet" href="./assets/css/bootstrap.css" />
    <link rel="stylesheet" href="./assets/css/main.css" />
    <style>
        .card>image {
            width: 50px;
        }
    </style>
</head>

```

```

<body>
    <!-- Start NavBar -->
    <nav class="navbar navbar-expand-lg navbar-light bg-light">
        <div class="container">
            <a class="navbar-brand fw-bold" href="#">Toy Heaven</a>
            <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarSupportedContent">
                <ul class="navbar-nav mx-auto mb-2 mb-lg-0">

```

```

<li class="nav-item">
  <a class="nav-link active" aria-current="page" href="/index.php">Home</a>
</li>
<li class="nav-item">
  <a class="nav-link" href="/products.php">Products</a>
</li>
<li class="nav-item">
  <a class="nav-link" href="#">About</a>
</li>
<li class="nav-item">
  <a class="nav-link" href="#footer">Contact</a>
</li>
<?php
if (isset($_SESSION['username'])) {
  echo "
    <li class='nav-item'>
      <a class='nav-link' href='/users_area/profile.php'>My Account</a>
    </li>";
} else {
  echo "
    <li class='nav-item'>
      <a class='nav-link' href='/users_area/user_registration.php'>Register</a>
    </li>";
}
?>
</ul>
<form class="d-flex">
  <input class="form-control me-2" type="search" placeholder="Search" aria-
label="Search">
  <button class="btn btn-outline-primary" type="submit">Search</button>
</form>
<ul class="navbar-nav mb-2 mb-lg-0">
  <li class="nav-item">
    <a class="nav-link" href="/cart.php"><svg width="28" height="28"
viewBox="0 0 32 32" fill="none" xmlns="http://www.w3.org/2000/svg">
      <path d="M11 27C11.5523 27 12 26.5523 12 26C12 25.4477 11.5523 25
11 25C10.4477 25 10 25.4477 10 26C10 26.5523 10.4477 27 11 27Z" stroke="black" stroke-
width="1.5" stroke-linecap="round" stroke-linejoin="round" />
      <path d="M25 27C25.5523 27 26 26.5523 26 26C26 25.4477 25.5523 25
25 25C24.4477 25 24 25.4477 24 26C24 26.5523 24.4477 27 25 27Z" stroke="black" stroke-
width="1.5" stroke-linecap="round" stroke-linejoin="round" />
      <path d="M3 5H7L10 22H26" stroke="black" stroke-width="1.5" stroke-
linecap="round" stroke-linejoin="round" />
      <path d="M10 16.6667H25.59C25.7056 16.6667 25.8177 16.6267
25.9072 16.5535C25.9966 16.4802 26.0579 16.3782 26.0806 16.2648L27.8806
7.26479C27.8951 7.19222 27.8934 7.11733 27.8755 7.04552C27.8575 6.97371 27.8239
6.90678 27.7769 6.84956C27.73 6.79234 27.6709 6.74625 27.604 6.71462C27.5371 6.68299

```

```

27.464 6.66661 27.39 6.66666H8" stroke="black" stroke-width="1.5" stroke-
linecap="round" stroke-linejoin="round" />
    </svg>
    <sup>
      <?php
        cart_item();
      ?>
    </sup>
    <span class="d-none">
      Total Price is:
      <?php
        total_cart_price();
      ?>
    </span>
  </a>
</li>
<li class="nav-item">
  <a class="nav-link" class="d-flex align-items-center gap-1" href="#">
    <svg width="28" height="28" viewBox="0 0 32 32" fill="none"
xmlns="http://www.w3.org/2000/svg">
      <path d="M24 27V24.3333C24 22.9188 23.5224 21.5623 22.6722
20.5621C21.8221 19.5619 20.669 19 19.4667 19H11.5333C10.331 19 9.17795 19.5619
8.32778 20.5621C7.47762 21.5623 7 22.9188 7 24.3333V27" stroke="black" stroke-
width="1.5" stroke-linecap="round" stroke-linejoin="round" />
      <path d="M16.5 14C18.9853 14 21 11.9853 21 9.5C21 7.01472 18.9853
5 16.5 5C14.0147 5 12 7.01472 12 9.5C12 11.9853 14.0147 14 16.5 14Z" stroke="black"
stroke-width="1.5" stroke-linecap="round" stroke-linejoin="round" />
    </svg>
    <?php
      if (!isset($_SESSION['username'])) {
        echo "<span>
          Welcome guest
        </span>";
      } else {
        echo "<span>
          Welcome " . $_SESSION['username'] . " </span>";
      }
    ?>
  </a>
</li>
<?php
if (!isset($_SESSION['username'])) {
  echo "<li class='nav-item'>
    <a class='nav-link' href='./users_area/user_login.php'>
      Login
    </a>
  </li>";
}

```

```

    } else {
        echo "<li class='nav-item'>
            <a class='nav-link' href='./users_area/logout.php'>
                Logout
            </a>
        </li>";
    }
    ?>
</ul>
</div>
</div>
</nav>
<!-- End NavBar -->

<!-- Start Landing Section -->
<div class="landing">
    <div class="container">
        <div class="row m-0">

            <div class="cover">
                <span class="title">Festive Season Sale</span>
                <span class="desc">Up to 10%<br />off Voucher</span>
                <a href="#">Shop now -></a>
            </div>
        </div>

    </div>
</div>

<!-- End Landing Section -->
<!-- Start Category -->
<div class="category">
    <div class="container">
        <div class="categ-header">
            <div class="sub-title">
                <span class="shape"></span>
                <span class="title">Categories</span>
            </div>
            <h2>Browse By Category</h2>
        </div>
        <div class="cards">
            <div class="card">
                <img src='./assets/images/download1.png' style="
width: 50px;" />
                <span>
                    <!-- <svg width="56" height="56" viewBox="0 0 56 56" fill="none"
xmlns="http://www.w3.org/2000/svg">
                        <g clip-path="url(#clip0_822_6314)">

```

```

        <path d="M38.9375 6.125H17.0625C15.5523 6.125 14.3281 7.34922
14.3281 8.85938V47.1406C14.3281 48.6508 15.5523 49.875 17.0625
49.875H38.9375C40.4477 49.875 41.6719 48.6508 41.6719 47.1406V8.85938C41.6719
7.34922 40.4477 6.125 38.9375 6.125Z" stroke="black" stroke-width="2" stroke-
linecap="round" stroke-linejoin="round" />
        <path d="M25.6667 7H31.1354" stroke="black" stroke-width="3"
stroke-linecap="round" stroke-linejoin="round" />
        <path d="M28 44.0052V44.0305" stroke="black" stroke-width="2.5"
stroke-linecap="round" stroke-linejoin="round" />
        <line x1="15.1667" y1="39.8334" x2="40.8333" y2="39.8334"
stroke="black" stroke-width="2" />
    </g>
    <defs>
        <clipPath id="clip0_822_6314">
            <rect width="56" height="56" fill="white" />
        </clipPath>
    </defs>
</svg> -->

</span>
<span>Phones</span>
</div>
<div class="card">
    <span>
        <svg width="56" height="56" viewBox="0 0 56 56" fill="none"
xmlns="http://www.w3.org/2000/svg">
            <g clip-path="url(#clip0_822_6345)">
                <path d="M46.6667 9.33337H9.33333C8.04467 9.33337 7 10.378 7
11.6667V35C7 36.2887 8.04467 37.3334 9.33333 37.3334H46.6667C47.9553 37.3334 49
36.2887 49 35V11.6667C49 10.378 47.9553 9.33337 46.6667 9.33337Z" stroke="black"
stroke-width="2" stroke-linecap="round" stroke-linejoin="round" />
                <path d="M16.3333 46.6666H39.6667" stroke="black" stroke-width="2"
stroke-linecap="round" stroke-linejoin="round" />
                <path d="M21 37.3334V46.6667" stroke="black" stroke-width="2"
stroke-linecap="round" stroke-linejoin="round" />
                <path d="M35 37.3334V46.6667" stroke="black" stroke-width="2"
stroke-linecap="round" stroke-linejoin="round" />
                <path d="M8 32H48" stroke="black" stroke-width="2" stroke-
linecap="round" />
            </g>
            <defs>
                <clipPath id="clip0_822_6345">
                    <rect width="56" height="56" fill="white" />
                </clipPath>
            </defs>
        </svg>
    </span>

```

```

        <span>Computers</span>
    </div>
    <div class="card">
        <span>
            <svg width="56" height="56" viewBox="0 0 56 56" fill="none"
xmlns="http://www.w3.org/2000/svg">
                <g clip-path="url(#clip0_822_6335)">
                    <path d="M35 14H21C17.134 14 14 17.134 14 21V35C14 38.866
17.134 42 21 42H35C38.866 42 42 38.866 42 35V21C42 17.134 38.866 14 35 14Z"
stroke="black" stroke-width="2" stroke-linecap="round" stroke-linejoin="round" />
                    <path d="M21 42V49H35V42" stroke="black" stroke-width="2" stroke-
linecap="round" stroke-linejoin="round" />
                    <path d="M21 14V7H35V14" stroke="black" stroke-width="2" stroke-
linecap="round" stroke-linejoin="round" />
                    <line x1="24" y1="23" x2="24" y2="34" stroke="black" stroke-
width="2" stroke-linecap="round" />
                    <line x1="28" y1="28" x2="28" y2="34" stroke="black" stroke-
width="2" stroke-linecap="round" />
                    <line x1="32" y1="26" x2="32" y2="34" stroke="black" stroke-
width="2" stroke-linecap="round" />
                </g>
                <defs>
                    <clipPath id="clip0_822_6335">
                        <rect width="56" height="56" fill="white" />
                    </clipPath>
                </defs>
            </svg>
        </span>

        <span>SmartWatch</span>
    </div>
    <div class="card">
        <span>
            <svg width="56" height="56" viewBox="0 0 56 56" fill="none"
xmlns="http://www.w3.org/2000/svg">
                <g clip-path="url(#clip0_822_1222)">
                    <path d="M11.6667 16.3334H14C15.2377 16.3334 16.4247 15.8417
17.2998 14.9665C18.175 14.0914 18.6667 12.9044 18.6667 11.6667C18.6667 11.0479
18.9125 10.4544 19.3501 10.0168C19.7877 9.57921 20.3812 9.33337 21
9.33337H35C35.6188 9.33337 36.2123 9.57921 36.6499 10.0168C37.0875 10.4544 37.3333
11.0479 37.3333 11.6667C37.3333 12.9044 37.825 14.0914 38.7002 14.9665C39.5753
15.8417 40.7623 16.3334 42 16.3334H44.3333C45.571 16.3334 46.758 16.825 47.6332
17.7002C48.5083 18.5754 49 19.7624 49 21V42C49 43.2377 48.5083 44.4247 47.6332
46.758 46.175 45.571 46.6667 44.3333 46.6667H11.6667C10.429 46.6667 9.242
46.175 8.36683 45.2999C7.49167 44.4247 7 43.2377 7 42V21C7 19.7624 7.49167 18.5754
8.36683 17.7002C9.242 16.825 10.429 16.3334 11.6667 16.3334" stroke="black" stroke-
width="2" stroke-linecap="round" stroke-linejoin="round" />
                </g>
            </span>
        </span>
    </div>

```

```

                <path d="M28 37.3334C31.866 37.3334 35 34.1994 35 30.3334C35
26.4674 31.866 23.3334 28 23.3334C24.134 23.3334 21 26.4674 21 30.3334C21 34.1994
24.134 37.3334 28 37.3334Z" stroke="black" stroke-width="2" stroke-linecap="round"
stroke-linejoin="round" />
            </g>
            <defs>
                <clipPath id="clip0_822_1222">
                    <rect width="56" height="56" fill="#000000" />
                </clipPath>
            </defs>
        </svg>

    </span>
    <span>Camera</span>
</div>
<div class="card">
    <span>
        <svg width="56" height="56" viewBox="0 0 56 56" fill="none"
xmlns="http://www.w3.org/2000/svg">
            <g clip-path="url(#clip0_822_4557)">
                <path d="M46.6666 14H9.33329C6.75596 14 4.66663 16.0893 4.66663
18.6667V37.3333C4.66663 39.9107 6.75596 42 9.33329 42H46.6666C49.244 42 51.3333
39.9107 51.3333 37.3333V18.6667C51.3333 16.0893 49.244 14 46.6666 14Z"
stroke="black" stroke-width="2" stroke-linecap="round" stroke-linejoin="round" />
                <path d="M14 28H23.3333M18.6667 23.3334V32.6667" stroke="black"
stroke-width="2" stroke-linecap="round" stroke-linejoin="round" />
                <path d="M35 25.6666V25.6908" stroke="black" stroke-width="3"
stroke-linecap="round" stroke-linejoin="round" />
                <path d="M42 30.3333V30.3574" stroke="black" stroke-width="3"
stroke-linecap="round" stroke-linejoin="round" />
            </g>
            <defs>
                <clipPath id="clip0_822_4557">
                    <rect width="56" height="56" fill="white" />
                </clipPath>
            </defs>
        </svg>
    </span>
    <span>Gaming</span>
</div>
<div class="card">
    <span>
        <svg width="56" height="56" viewBox="0 0 56 56" fill="none"
xmlns="http://www.w3.org/2000/svg">
            <g clip-path="url(#clip0_822_1758)">
                <path d="M16.3333 30.3334H14C11.4227 30.3334 9.33331 32.4227

```



```

439.33331 35V42C9.33331 44.5774 11.4227 46.6667 14 46.6667H16.3333C18.9106
46.6667 21 44.5774 21 42V35C21 32.4227 18.9106 30.3334 16.3333 30.3334Z"
stroke="black" stroke-width="2" stroke-linecap="round" stroke-linejoin="round" />
    <path d="M42 30.3334H39.6667C37.0893 30.3334 35 32.4227 35
35V42C35 44.5774 37.0893 46.6667 39.6667 46.6667H42C44.5773 46.6667 46.6667
44.5774 46.6667 42V35C46.6667 32.4227 44.5773 30.3334 42 30.3334Z" stroke="black"
stroke-width="2" stroke-linecap="round" stroke-linejoin="round" />
    <path d="M9.33331 35V28C9.33331 23.0493 11.3 18.3014 14.8007
14.8007C18.3013 11.3 23.0493 9.33337 28 9.33337C32.9507 9.33337 37.6986 11.3 41.1993
14.8007C44.7 18.3014 46.6666 23.0493 46.6666 28V35" stroke="black" stroke-width="2"
stroke-linecap="round" stroke-linejoin="round" />
    </g>
    <defs>
        <clipPath id="clip0_822_1758">
            <rect width="56" height="56" fill="white" />
        </clipPath>
    </defs>
</svg>
</span>
<span>HeadPhones</span>
</div>
</div>
</div>
</div>
<!-- End Category -->
<!-- Start Advertise -->
<div class="adver">
    <div class="container">
        <div class="cover">
            <span class="title">Categories</span>
            <span class="desc">Enhance Your<br />Music Experience</span>
            <button onclick="location.href='#'">
                Buy Now!
            </button>
        </div>
    </div>
</div>
<!-- End Advertise -->
<!-- Start Products -->
<div class="products">
    <div class="container">
        <div class="categ-header">
            <div class="sub-title">
                <span class="shape"></span>
                <span class="title">Our Products</span>
            </div>
            <h2>Explore Our Products</h2>

```

```

</div>
<div class="row mb-3">
  <?php
    getProduct();
    getIPAddress();
  ?>
</div>
<div class="view d-flex justify-content-center align-items-center">
  <button onclick="location.href='./products.php'">View All Products</button>
</div>
</div>
</div>
<!-- End Products -->
<!-- Start Footer -->
<div class="upper-nav primary-bg p-2 px-3 text-center text-break" id="footer">
  <span>Contact us on (+91) 8867348791</span><br>
  <span>Or Contact us On toyheaven@gmail.com </span>
</div>
<!-- End Footer -->

<script src="./assets/js/bootstrap.bundle.js"></script>
</body>

</html>
<?php
include("./includes/connect.php");
include("./functions/common_functions.php");
session_start();
?>
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Toy Heaven Products</title>
  <link rel="stylesheet" href="./assets/css/bootstrap.css" />
  <link rel="stylesheet" href="./assets/css/main.css" />
</head>

<body>

  <!-- Start NavBar -->
  <nav class="navbar navbar-expand-lg navbar-light bg-light">
    <div class="container">
      <a class="navbar-brand fw-bold" href="#">Toy Heaven</a>

```

```

        <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav mx-auto mb-2 mb-lg-0">
            <li class="nav-item">
                <a class="nav-link" href="/index.php">Home</a>
            </li>
            <li class="nav-item">
                <a class="nav-link active" aria-current="page"
href="/products.php">Products</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#">About</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#">Contact</a>
            </li>
            <?php
                if(isset($_SESSION['username'])){
                    echo "
                    <li class='nav-item'>
                        <a class='nav-link' href='/users_area/profile.php'>My Account</a>
                    </li>";
                }
                else{
                    echo "
                    <li class='nav-item'>
                        <a class='nav-link' href='/users_area/user_registration.php'>Register</a>
                    </li>";
                }
            <?>
        </ul>
        <form class="d-flex">
            <input class="form-control me-2" type="search" placeholder="Search" aria-
label="Search">
            <button class="btn btn-outline-primary" type="submit">Search</button>
        </form>
        <ul class="navbar-nav mb-2 mb-lg-0">
            <li class="nav-item">
                <a class="nav-link" href="/cart.php"><svg width="28" height="28"
viewBox="0 0 32 32" fill="none" xmlns="http://www.w3.org/2000/svg">
                    <path d="M11 27C11.5523 27 12 26.5523 12 26C12 25.4477 11.5523 25
11 25C10.4477 25 10 25.4477 10 26C10 26.5523 10.4477 27 11 27Z" stroke="black" stroke-
width="1.5" stroke-linecap="round" stroke-linejoin="round" />

```

```

                <path d="M25 27C25.5523 27 26 26.5523 26 26C26 25.4477 25.5523 25
25 25C24.4477 25 24 25.4477 24 26C24 26.5523 24.4477 27 25 27Z" stroke="black" stroke-
width="1.5" stroke-linecap="round" stroke-linejoin="round" />
                <path d="M3 5H7L10 22H26" stroke="black" stroke-width="1.5" stroke-
linecap="round" stroke-linejoin="round" />
                <path d="M10 16.6667H25.59C25.7056 16.6667 25.8177 16.6267
25.9072 16.5535C25.9966 16.4802 26.0579 16.3782 26.0806 16.2648L27.8806
7.26479C27.8951 7.19222 27.8934 7.11733 27.8755 7.04552C27.8575 6.97371 27.8239
6.90678 27.7769 6.84956C27.73 6.79234 27.6709 6.74625 27.604 6.71462C27.5371 6.68299
27.464 6.66661 27.39 6.66666H8" stroke="black" stroke-width="1.5" stroke-
linecap="round" stroke-linejoin="round" />
            </svg>
            <sup>
                <?php
                    cart_item();
                ?>
            </sup>
            <span class="d-none">
                Total Price is:
                <?php
                    total_cart_price();
                ?>
            </span>
        </a>
    </li>
    <li class="nav-item">
        <a class="nav-link" class="d-flex align-items-center gap-1" href="#">
            <svg width="28" height="28" viewBox="0 0 32 32" fill="none"
xmlns="http://www.w3.org/2000/svg">
                <path d="M24 27V24.3333C24 22.9188 23.5224 21.5623 22.6722
20.5621C21.8221 19.5619 20.669 19 19.4667 19H11.5333C10.331 19 9.17795 19.5619
8.32778 20.5621C7.47762 21.5623 7 22.9188 7 24.3333V27" stroke="black" stroke-
width="1.5" stroke-linecap="round" stroke-linejoin="round" />
                <path d="M16.5 14C18.9853 14 21 11.9853 21 9.5C21 7.01472 18.9853
5 16.5 5C14.0147 5 12 7.01472 12 9.5C12 11.9853 14.0147 14 16.5 14Z" stroke="black"
stroke-width="1.5" stroke-linecap="round" stroke-linejoin="round" />
            </svg>
            <?php
                if(!isset($_SESSION['username'])){
                    echo "<span>
                    Welcome guest
                    </span>";
                }else{
                    echo "<span>
                    Welcome ".$_SESSION['username']. "</span>";
                }
            ?>
        </a>
    </li>

```

```

</a>
    </li>
    <?php
    if(!isset($_SESSION['username'])) {
        echo "<li class='nav-item'>
        <a class='nav-link' href='./users_area/user_login.php'>
            Login
        </a>
    </li>";
    } else {
        echo "<li class='nav-item'>
        <a class='nav-link' href='./users_area/logout.php'>
            Logout
        </a>
    </li>";
    }
    ?>
</ul>
</div>
</div>
</nav>
<!-- End NavBar -->
<!-- Start Product details -->
<div class="prod-details">
    <div class="container">
        <div class="sub-container pt-4 pb-4">

            <?php
            viewDetails();
            ?>
        </div>
    </div>
</div>
<!-- End Product details -->

<!-- Start Products -->
<div class="products">
    <div class="container">
        <div class="categ-header">
            <div class="sub-title">
                <span class="shape"></span>
                <span class="title">Related Products</span>
            </div>
            <h2>Discover More Products</h2>
        </div>
        <div class="row mb-3">
            <?php

```

```

        getProduct(3);
        cart();
    ?>
</div>
<div class="view d-flex justify-content-center align-items-center">
    <button onclick="location.href='./products.php'">View More Products</button>
</div>
</div>
</div>
<!-- End Products -->

<!-- divider -->
<!-- <div class="container">
    <div class="divider"></div>
</div> -->
<!-- divider -->

<!-- Start Footer -->
<!-- <div class="upper-nav primary-bg p-2 px-3 text-center text-break">
    <span>All Copyright &copy;2023</span>
</div> -->
<!-- End Footer -->

<script src="./assets/js/bootstrap.bundle.js"></script>
<script src="./assets/js/script.js"></script>
</body>

</html>

```

6.4 Testing Approach ^[11]

We used different testing approach to test our application like unit testing. Usability testing and Security testing.

6.5 Unit Testing

Unit testing is a software testing technique in which individual components or "units" of a software application are tested in isolation to ensure that they perform as intended. Each unit, typically a specific function or method, is examined for correctness, and tests are conducted to verify its behavior against expected outcomes. Unit testing helps identify and address defects early in the development process, enhances code quality, and contributes to the reliability and maintainability of the software. It is a fundamental practice in the field of software development, especially in agile methodologies, to ensure that each building block of the application functions correctly before integration into the larger system.

6.6 Usability Testing

Usability testing is a user-centered evaluation method that assesses the effectiveness and user-friendliness of a product, typically a website, application, or system. It involves real users performing specific tasks to identify usability issues, gather feedback, and ensure that the product is intuitive, efficient, and satisfying to use. Usability testing helps uncover user preferences, pain points, and areas for improvement, ultimately leading to enhancements that enhance the overall user experience and satisfaction with the product.

6.7 Security Testing

Security testing is a crucial process in software development that aims to identify and assess vulnerabilities and weaknesses within a system to safeguard it against potential security threats and breaches. It involves a systematic evaluation of an application's defenses to uncover vulnerabilities, such as SQL injection, cross-site scripting, or unauthorized access. The objective is to address these vulnerabilities through various testing techniques, including penetration testing and code reviews, ensuring that the software system is resilient against attacks and that sensitive data remains protected. Security testing is essential to maintain the confidentiality, integrity, and availability of both software and the data it handles.

6.8 Test Cases

Test-Case ID	Case	Action	Expected Results	Actual Results	Status
1	Login	Checking the login credentials of the users.	Successful login	Successful login	Pass
2	Add or Delete Product– (Admin)	Adding or deleting the Staff on the website.	Product Added or Deleted Successfully	Product Added or Deleted Successfully	Pass
3	Add or Delete Categories or Brand – (Admin)	Adding and Viewing Categories and Brand	Category or Brand Added or Deleted successfully	Category or Brand Added or Deleted successfully	Pass
4	Logout	Logging out successfully from the Web-application.	Logout Successful	Logout Successful	Pass

CHAPTER 7. RESULTS

Login Page

Toy Heaven User Login

Username

ayaan

Password

[Forget your password?](#)

Login

Don't have an account? [Register](#)

Toy Heaven

[Home](#) [Products](#) [About](#) [Contact](#) [My Account](#)

Search

Search



Welcome ayaan Logout

Profile



Pending Orders

Edit Account

My Orders

Delete Account

Logout

You have 0 pending orders

[Explore products](#)

Home Page


Toy Heaven

HomeProductsContactMy Account

Search

Search

Welcome ayaanLogout



TOY STORE
SALE
NEW COLLECTION

50% OFF

KIDSTOYSTORE

Categories

Browse By Category

Soft Toys

Action Figures

Diy Caste


puzzles

Gaming

sports
Sports


Our Products

Explore Our Products




Add To CartView More


Cricket Kit Set
₹499 ★★★★★ (35)




Hot Wheels
₹749 ★★★★★ (35)




Nerf Alpha Strike
₹649 ★★★★★ (35)



Soft Multicolour Football
₹149 ★★★★★ (35)



Plastic Building Blocks
₹299 ★★★★★ (35)




Nerf Disruptor
₹599 ★★★★★ (35)

View All Products

Contact us on (+91) 8867348791
Or Contact us On toyheaven@gmail.com

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Admin Page



ayaan

Insert Products

View Products

Insert Categories

View Categories

Insert Brands



















View Brands

All Orders

All Payments


List Users

All Products

Product ID	Product Title	Product Image	Product Price	Total Sold	Status	Edit	Delete
1	Hot Wheels		749	4	true		
2	Plastic Building Blocks		299	1	true		
3	Nerf Alpha Strike		649	0	true		
4	Nerf Disruptor		599	0	true		
5	Cricket Kit Set		499	0	true		
6	Soft Multicolour Football		149	0	true		

Toy Heaven

Welcome ayaan [Logout](#)



ayaan

Insert Products

View Products

Insert Categories

View Categories













Insert Brands

View Brands

All Orders

All Payments

All Categories

Categories No.	Categories Title	Edit	Delete
1	soft toys		
2	Puzzles		
3	Cars		
4	Action Figures		
5	Guns		
6	sports		

CHAPTER 8. CONCLUSION AND FUTURE SCOPE

8.1 Conclusion ^[18]

At Toy Heaven, we believe in the magic of play. Whether you're looking for educational toys, classic favorites, or the latest trends, we have something for every child's imagination. Our commitment to quality, safety, and fun ensures that every product you choose brings joy to your little ones. Thank you for visiting our store where the adventure begins with every toy .

We understand how important it is to find toys that inspire creativity, encourage learning, and provide endless hours of entertainment. That's why we carefully curate our selection to ensure that every toy in our store meets the highest standards for both fun and educational value. From timeless classics to innovative new releases, we strive to bring you the best products from trusted brands around the world.

We are more than just a toy store we're a place where families come together, memories are made, and children's imaginations are free to soar. Whether you're shopping for a special occasion or just because, our team is always here to help you find the perfect toy for every child. Thank you for choosing where the joy of play is always in stock.

8.2 Future Scope and Enhancement ^[18]

As Toy Heaven continues to grow, we are committed to enhancing our website to provide an even better shopping experience for our customers. In the near future, we plan to introduce several exciting features to make browsing, purchasing, and interacting with our store more convenient, engaging, and personalized.

1 Integration with Emerging Technologies : As new technologies emerge, the web app can evolve to integrate with them. This might include incorporating Artificial Intelligence (AI), Augmented Reality (AR) for visualization and Personal Assistance for purchasing online .

2. Personalized Shopping Experience: We plan to implement advanced recommendation algorithms that tailor product suggestions based on browsing history, previous purchases, and customer preferences. This will help customers discover toys that match their interests and needs more quickly and efficiently.

3. Interactive Gift Finder Tool: For those looking for the perfect gift, we will introduce an interactive gift-finder tool. This feature will allow users to input preferences like the child's age, interests, and budget, delivering tailored toy suggestions that make gift shopping simple and enjoyable.

4. Expanded Product Reviews and Ratings: To ensure customer confidence in every

purchase, we are working on enhancing our product review system. Customers will soon be able to leave detailed feedback and star ratings, helping others choose the best toys based on real experiences.

1. Payments options: In Future we will add more payments options making it convenient for the users

Chapter 9. References

9.1 Project References

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