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ADICHUNCHANAGIRI UNIVERSITY

A Mini Project Report On

"RESPONSIVE BLOG WEBSITE"

Submitted in partial fulfilment for the academic year 2023-24

Bachelor of Engineering

In

Computer Science and Engineering

Submitted by,

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B G S INSTITUTE OF TECHNOLOGY

B G NAGAR-571448

2023-2024

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ADICHUNCHANAGIRI UNIVERSITY

B G S INSTITUTE OF TECHNOLOGY

BG Nagar-571448, MANDYA

(Affiliated to Adichunchanagiri University)

Department of computer science and Engineering

CERTIFICATE

This is to certify that the mini project entitled **"RESPONSIVE BLOG WEBSITE"** carried out by **Ms. NISHITHA C S,** bearing USN:(20CSE060) and **Ms. POOJA E B**, bearing USN:(20CSE061) of **BGS INSTITUTE OF TECHNOLOGY**, B.G Nagar in partial fulfilment for the award of Bachelor of Engineering in Computer Science and Engineering of Adichunchanagiri University during the year 2023-24. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library.

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Dept., of CS&E
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External Viva

Name of the Examiners	**Signature with date**
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ABSTRACT

The Responsive Blogger Web project is like a smart tool that makes blogging easy and looks great on all devices, from big computers to small phones. It uses special codes (HTML, CSS, and JavaScript) to make sure the blog looks good and works well for everyone. Bloggers can write, edit, and share content easily with a simple system. Readers can join in conversations using a friendly comment system. The project also helps bloggers reach more people by connecting with social media. It's like a modern and cool space where bloggers and readers can enjoy a smooth and stylish blogging experience together .

Keywords: Responsive Blogger ,connections,Blogs

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CHAPTER 1

INTRODUCTION

In the fast-paced digital era, The Responsive Blogger Web project is a visionary undertaking, driven by the imperative to revolutionize the blogging experience in today's digital realm. In the ever-evolving landscape of online communication, blogging stands as a powerful medium for individuals and businesses to share ideas, stories, and insights. This project is meticulously crafted to introduce a dynamic and user-centric platform that transcends traditional boundaries, embracing the principles of responsive design. Our focus is on creating an immersive and accessible space for bloggers, where the exchange of thoughts and information is not confined by device limitations.In an era where digital interactions span across various screens, the Responsive Blogger Web project is dedicated to ensuring a seamless transition between desktops, tablets, and smartphones. Through the integration of HTML, CSS, and JavaScript, we aim to build a responsive website that adapts effortlessly, providing an optimal viewing experience for users on diverse devices. The project envisions a holistic approach, where not only the bloggers find a streamlined space for content creation and management, but readers also experience a visually appealing and interactive interface. With a commitment to innovation, user-friendliness, and community engagement, the Responsive Blogger Web project is poised to redefine the contours of the blogging

1.1 Overview of the Project

The The Responsive Blogger Web project introduces a modern and user-friendly platform designed to revolutionize the blogging experience. At its core, the project prioritizes responsiveness, ensuring a seamless and visually appealing interface across diverse devices, from desktops to smartphones. Leveraging HTML, CSS, and JavaScript, the platform provides bloggers with an intuitive content management system, streamlining processes for content creation, editing, and publishing.The user- centric approach extends to fostering engagement through an interactive commenting system, creating a sense of community and facilitating meaningful discussions. Social media integration amplifies the impact of bloggers' content, connecting with a broader audience and promoting sharing across various platforms. The project also pays attention to modern aesthetics, incorporating thoughtful design elements, color schemes, and multimedia support to enhance the overall visual

experience.Underpinning the project is a robust technological foundation, with HTML, CSS, and JavaScript interface and ensuring adaptability to emerging technologies. The Responsive Blogger Web project aspires to redefine the blogging paradigm, offering a sophisticated, dynamic, and inclusive platform that addresses existing limitations and anticipates the evolving needs of bloggers and their audiences. In essence, it is a journey into the future of blogging, where words find wings and conversations flourish in a visually captivating and user-friendly digital environment.

The Responsive Blogger Web project is a transformative initiative aimed at redefining the landscape of digital content creation and consumption. Rooted in the principles of responsive web design, the project leverages cutting-edge technologies such as HTML, CSS, and JavaScript to create a dynamic platform that seamlessly adapts to various screen sizes. This adaptability ensures an optimal viewing experience across devices, fostering accessibility and user satisfaction.At its core, the project introduces a streamlined content management system designed to empower bloggers. The intuitive interface simplifies content creation, editing, and publishing, enabling creators to focus on crafting compelling narratives without being encumbered by technical intricacies. User engagement takes center stage with the integration of an interactive commenting system, fostering a sense of community and facilitating real-time discussions among bloggers and readers.Social media integration amplifies the impact of bloggers' content, extending their reach and fostering connections within the digital sphere. The project also places a strong emphasis on modern aesthetics, incorporating thoughtful design elements, color schemes, and multimedia support to enhance the overall visual experience. This infusion of contemporary design not only elevates user satisfaction but also positions bloggers as creators within a visually dynamic and engaging online environment. Technologically, the project is fortified with version control through Git, ensuring efficient collaboration during development. Responsive design testing tools guarantee cross-browser compatibility, while the platform's adaptability and scalability prepare it for future advancements in the digital landscape.

In summary, the Responsive Blogger Web project stands as a comprehensive and user-centric solution, addressing the evolving needs of bloggers and readers alike. By merging responsive design principles, streamlined content management, and modern aesthetics, the project offers a sophisticated and dynamic platform for a vibrant and interconnected community of digital content creators.

1.2Outcome of the Project

The outcome of our project culminates in a series of transformative outcomes poised to reshape the landscape of digital content creation and consumption. At its core, the project achieves a milestone in responsive design, ensuring that the blogging platform seamlessly adapts to an array of devices, providing an optimal user experience. The implementation of HTML, CSS, and JavaScript establishes a foundation that not only guarantees adaptability but also positions the platform for future technological advancements.The streamlined content management system emerges as a pivotal outcome, simplifying the intricate process of content creation, editing, and publishing for bloggers. This user-friendly interface empowers bloggers to focus on the quality and creativity of their content without navigating unnecessary complexities. The result is an efficient and enjoyable workflow that enhances the overall blogging experience.User engagement takes center stage through the introduction of an interactive commenting system. This feature fosters a sense of community and connection, encouraging readers to actively participate in discussions and share their thoughts. Social media integration emerges as a powerful tool for extending the reach of bloggers, enabling effortless content sharing across diverse platforms. The outcome is a heightened visibility and potential for attracting a broader audience.The infusion of modern aesthetics, including thoughtful design elements and multimedia support, contributes to the overall visual appeal of the platform. This aesthetic enhancement not only elevates user satisfaction but also positions bloggers as creators within a visually dynamic environment. The project outcome encompasses not just the functionality but the overall visual delight that users experience.Technologically, the project establishes a robust foundation, preparing the platform for scalability and adaptability to emerging trends. HTML, CSS, and JavaScript collectively contribute to a seamless user interface, ensuring that the platform remains relevant and responsive to evolving user expectations and technological advancements.Social media integration emerges as a powerful tool for extending the reach of bloggers, enabling effortless content sharing across diverse platforms. The outcome is a heightened visibility and potential for attracting a broader audience.The infusion of modern aesthetics, including thoughtful design elements and multimedia support, contributes to the overall visual appeal of the platform. In essence, the outcomes of the Responsive Blogger Web project converge to redefine the blogging experience. The project's contributions extend beyond functionality to encompass a holistic and user-centric approach, fostering a vibrant and connected community of bloggers and readers in a visually captivating and dynamic digital environment.

CHAPTER 2

LITERATURE SURVREY

The literature survey for the Responsive Blogger Web project delves into the rich tapestry of existing knowledge, encompassing the domains of responsive web design, blogging platforms, and user engagement. Responsive web design, introduced by Ethan Marcotte in 2010, forms the foundational framework for creating adaptable and visually appealing interfaces across various devices. Studies by A List Apart and Smashing Magazine emphasize the importance of responsive design principles in providing an optimal viewing experience and accommodating the diverse screen sizes prevalent in the digital landscape.In the realm of blogging platforms, extensive research has been conducted on popular systems like WordPress and Medium. TechCrunch and Content Marketing Institute highlight the evolving trends in content creation, showcasing the increasing integration of multimedia elements to enhance user engagement. The significance of social media in expanding the reach of blog content is underscored by research from Buffer and HubSpot, emphasizing the need for seamless integration with popular platforms.

Nielsen Norman Group and W3C contribute valuable insights into web usability and accessibility standards, advocating for a user-centric approach in web design. Discussions around Single Page Applications (SPAs) on platforms like Google Developers and Mozilla Developer Network highlight the challenges and opportunities presented by dynamic web technologies.In the context of responsive design testing, tools such as BrowserStack and Responsinator have been explored to ensure cross- browser compatibility and a consistent user experience across various devices. The importance of version control using Git for collaborative development is emphasized by experts in the field.it converges on the understanding that the Responsive Blogger Web project aligns with the trajectory of technological advancements, user-centric design, and emerging trends in digital communication. By synthesizing insights from these diverse sources, the project aims to contribute to the ongoing dialogue on responsive design, user engagement, and the evolution of blogging platforms in the dynamic digital landscape.Responsive Blogger Web project delves into a comprehensive exploration of various facets within the fields of responsive web design, blogging platforms, and user engagement. Responsive web design, as introduced by Ethan Marcotte in 2010, remains a pivotal concept in modern web development. It revolves around creating adaptable layouts using HTML, CSS, and JavaScript, ensuring an optimal

viewing experience across devices. Research by A List Apart and Smashing Magazine emphasizes the significance of responsive design principles in crafting websites that dynamically adjust to diverse screen sizes, facilitating accessibility and user.In the realm of blogging platforms, WordPress and Medium dominate the landscape. These platforms provide user-friendly interfaces and customization options, yet studies by TechCrunch and Content Marketing Institute shed light on the evolving trends in content creation. The incorporation of multimedia elements is highlighted, emphasizing the impact of visual content on user engagement. Additionally, the role of social media integration in amplifying the reach of blog content is underscored by research from Buffer and HubSpot.Usability and accessibility standards in web design, explored by Nielsen Norman Group and W3C, play a crucial role in creating an inclusive online environment. Discussions around Single Page Applications (SPAs) on platforms like Google Developers and Mozilla Developer Network provide insights into the challenges and opportunities presented by dynamic web technologies.In the context of responsive design testing, tools such as BrowserStack and Responsinator are explored for ensuring cross-browser compatibility and a consistent user experience across various devices. Version control using Git is emphasized as a best practice for collaborative development, enabling efficient tracking of changes during the project lifecycle.

The literature survey converges on the understanding that the Responsive Blogger Web project, by synthesizing insights from diverse sources, aims to contribute to the ongoing discourse on responsive design, user engagement, and the evolution of blogging platforms. The convergence of these insights is poised to reshape the digital landscape, providing a sophisticated and dynamic platform for bloggers and readers. The literature survey for the Responsive Blogger Web project delves into a comprehensive exploration of various facets within the fields of responsive web design, blogging platforms, and user engagement. Responsive web design, as introduced by Ethan Marcotte in 2010, remains a pivotal concept in modern web development. It revolves around creating adaptable layouts using HTML, CSS, and JavaScript, ensuring an optimal viewing experience across devices. Research by A List Apart and Smashing Magazine emphasizes the significance of responsive design principles in crafting websites that dynamically adjust to diverse screen sizes, facilitating accessibility and user.

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CHAPTER 3

SYSTEM ANALYSIS

3.1 Existing System

The existing system the current landscape of responsive blogging platforms showcases a varied spectrum of systems, each with its strengths and limitations. Widely adopted platforms like WordPress and Medium have dominated the scene, offering user-friendly interfaces and extensive customization options. However, a critical examination reveals challenges related to the responsiveness of these platforms across diverse devices. Many existing systems struggle to provide a cohesive user experience, with layouts often falling short in adapting seamlessly to different screen sizes.Moreover, the content management processes on existing platforms may lack intuitive interfaces, hindering bloggers in efficiently managing and presenting their content. Challenges also extend to user engagement, as limited commenting systems and insufficient social media integration often impede the creation of vibrant and interconnected online communities. The analysis of the existing landscape underscores the need for a more responsive, user-centric, and feature-rich blogging platform that addresses these identified shortcomings

While these existing systems have successfully served millions of bloggers worldwide, they are not without their challenges. One notable limitation lies in the responsiveness of these platforms across various devices. The adaptability of layouts to different screen sizes is an area where many existing systems encounter difficulties, potentially impacting the user experience.Moreover, the content management processes on some platforms may lack intuitive interfaces, making it cumbersome for bloggers to efficiently manage and present their content.

3.2Proposed System

The proposed system for the The Responsive Blogger Web project proposes a revolutionary shift in the blogging paradigm, aiming to overcome the limitations observed in existing platforms. Central to the project is the implementation of responsive design principles using HTML, CSS, and JavaScript, ensuring a seamless and visually appealing user experience across a multitude of devices. The proposed platform envisions a modern and streamlined content management system, empowering bloggers with intuitive tools for

content creation, editing, and publishing.The user-centric approach extends to fostering engagement through the introduction of an interactive commenting system and seamless social media integration. By amplifying the reach of bloggers and facilitating meaningful conversations, the proposed platform seeks to create a vibrant and connected community. Additionally, the incorporation of modern aesthetics, thoughtful design elements, and multimedia support contributes to an enriched visual experience, distinguishing the proposed platform in a dynamic and competitive digital landscape. the proposed Responsive Blogger Web project emerges as a response to the shortcomings of existing platforms, offering a comprehensive and user-friendly solution that embraces the principles of responsive design, streamlined content management, and enhanced user engagement.. In addition to the enhanced content management capabilities, the proposed system introduces an interactive commenting system aimed at fostering real-time discussions among bloggers and readers. This feature seeks to create a vibrant sense of community engagement, encouraging meaningful interactions around the shared content. Social media integration stands as a key feature, seamlessly connecting the platform with popular social platforms. This integration not only expands the reach of bloggers but also facilitates effortless content sharing, amplifying their impact within the broader digital landscape. Complementing these features, the proposed system prioritizes modern aesthetics, incorporating thoughtful design elements, color schemes, and multimedia support to elevate the overall visual experience. In summary, the Responsive Blogger Web system aspires to redefine the blogging experience by integrating cutting-edge technologies, streamlined content management, and enhanced user engagement features.

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3.2.1Advantages of Proposed System

The proposed System Responsive Blogger Web system unfolds a myriad of advantages that collectively redefine the blogging experience, setting it apart from existing platforms. Foremost among these advantages is the implementation of cutting-edge responsive design principles. Using a harmonious blend of HTML, CSS, and JavaScript, the system ensures a seamless and visually appealing interface across a diverse array of devices. This adaptability guarantees an optimal viewing experience, fostering accessibility and responsiveness to meet the expectations of a modern, tech-savvy audience.A pivotal outcome of the proposed system lies in the streamlined content management system. This intuitive interface empowers bloggers with efficient tools for content creation, editing, and publishing, facilitating a user-

friendly workflow that prioritizes creativity over complexity. The system's user- centric approach extends to the introduction of an interactive commenting system, fostering a sense of community engagement and providing readers with a platform to voice their thoughts and opinions.Social media integration stands out as a key advantage, acting as a catalyst for expanding the reach of bloggers. Seamlessly connecting with popular platforms, the proposed system facilitates effortless content sharing, transforming bloggers into influential voices capable of reaching a global audience. Modern aesthetics play a crucial role, contributing to a visually appealing environment through thoughtful design elements, color schemes, and multimedia support.Technologically, the proposed system establishes a robust foundation. The utilization of HTML, CSS, and JavaScript not only ensures a seamless user interface but also positions the platform for scalability and adaptability to emerging technologies. This forward-thinking technological approach future-proofs the system, ensuring its relevance in the ever-evolving digital landscape.In essence, the advantages of the proposed Responsive Blogger Web system converge to redefine the blogging landscape. It offers not just a platform but a comprehensive and sophisticated solution that addresses existing limitations and anticipates the evolving needs of bloggers and their audiences. The proposed system aspires to elevate the act of blogging to an immersive and enjoyable experience, where words find wings and conversations flourish in a visually captivating and user-friendly digital environment. The proposed Responsive Blogger Web system envisions a transformative solution to address the limitations observed in existing blogging platforms. Rooted in responsive design principles, the system leverages contemporary technologies such as HTML, CSS, and JavaScript to create a dynamic platform that seamlessly adapts to various devices. This commitment to responsiveness ensures an optimal viewing experience for users across diverse screen sizes, promoting accessibility and user satisfaction. At the core of the proposed system is a streamlined content management system, designed with user-friendliness in mind. This intuitive interface empowers bloggers with efficient tools for content creation, editing, and publishing, allowing creators to concentrate on crafting compelling narratives without the hindrance of technical complexities

CHAPTER 4

REQUIREMENTS SPECIFICATION

4.1 Hardware Requirements

- Processor - A modern multi-core processor for faster compilation and rendering.
- RAM - 128 MB
- Hard disk – 20 GB.
- Graphics Card: Integrated graphics usually suffice for web

4.2 Software Requirements

- Operating System - Windows, macOS and Linux.
- Language - HTML,CSS.
- Development Tool - Visual studio code.
- Application - Chrome/Firefox/Microsoft Edge etc.

For a web mini project like a "Responsive Blog Website," the hardware and software requirements encompass various components to ensure smooth functionality. On the hardware side, you'll need a reliable server with adequate processing power, memory, and storage capacity to handle both the application and its associated database.

A stable network connection with sufficient bandwidth is essential for seamless user interaction. On the software front, you should select an operating system for the server, a web server (such as Apache or Nginx), and a suitable database management system (like MySQL or MongoDB). Choose a programming language (e.g., Python, JavaScript, Ruby, or PHP) for server-side development and a frontend framework or library (such as React or Angular) for building the user interface.

Additionally, implement security measures, version control using Git, and consider containerization tools like Docker for efficient deployment. It's crucial to document the codebase, APIs, and other relevant information, ensuring that developers have clear

guidelines for future maintenance and updates. Overall, the combination of these hardware and software elements forms a robust foundation for a functional and secure Register Item Manager web application. "Responsive Blog Website," the hardware and software requirements encompass various components to ensure smooth functionality. On the hardware side, you'll need a reliable server with adequate processing power, memory, and storage capacity to handle both the application and its associated database.

Overall, the combination of these hardware and software elements forms a robust foundation for a functional and secure Responsive blog website web application. It's crucial to document the codebase, APIs, and other relevant information, ensuring that developers have clear guidelines for future maintenance and updates. Overall, the combination of these hardware and software elements forms a robust foundation for a functional and secure Register Item Manager web application. On the software front, you should select an operating system for the server, a web server (such as Apache or Nginx), and a suitable database management system (like MySQL or MongoDB). Choose a programming language (e.g., Python, JavaScript, Ruby, or PHP) for server-side development and a frontend framework or library (such as React or Angular) for building the user interface.

CHAPTER 5

SYSTEM DESIGN

The system design for the Responsive blog website Web Mini Project is a carefully crafted architecture that encompasses both the frontend and backend components, ensuring a seamless and efficient user experience. At the frontend, the user interface is developed using a combination of HTML, CSS, and JavaScript, providing a visually appealing and responsive design. The incorporation of a modern frontend framework, such as React or Angular, enhances interactivity, allowing for dynamic updates and improved user engagement. The frontend is designed to be intuitive, featuring a user-friendly dashboard that offers a comprehensive overview of key statistics, creating a visually accessible hub for efficient item management. On the backend, the server-side scripting language, such as Node.js, works in conjunction with a web framework like Express to handle data processing and management. This architecture facilitates the seamless integration of the frontend with the database, ensuring efficient communication and data flow.

The chosen database, whether it be MySQL or Mongo DB, serves as a robust repository for storing item information and transaction history. This allows for structured data management, enabling users to retrieve, update, or delete items with ease. User authentication is a fundamental aspect of the system design, implemented using industry-standard practices such as JWT (JSON Web Tokens). This ensures secure access to the platform, protecting sensitive data and mitigating potential security threats. The system incorporates user roles and permissions, allowing administrators to define access levels based on user responsibilities, thereby enhancing data security. The transaction history feature is a critical component of the system design, capturing and storing a comprehensive log of all changes made to registered items. This feature not only supports transparency but also serves as a valuable tool for auditing, error detection, and correction. The system's flexibility is evident in the design that enables users to update or delete registered items, ensuring that the platform remains adaptable to changing requirements.

5.1 System Architecture

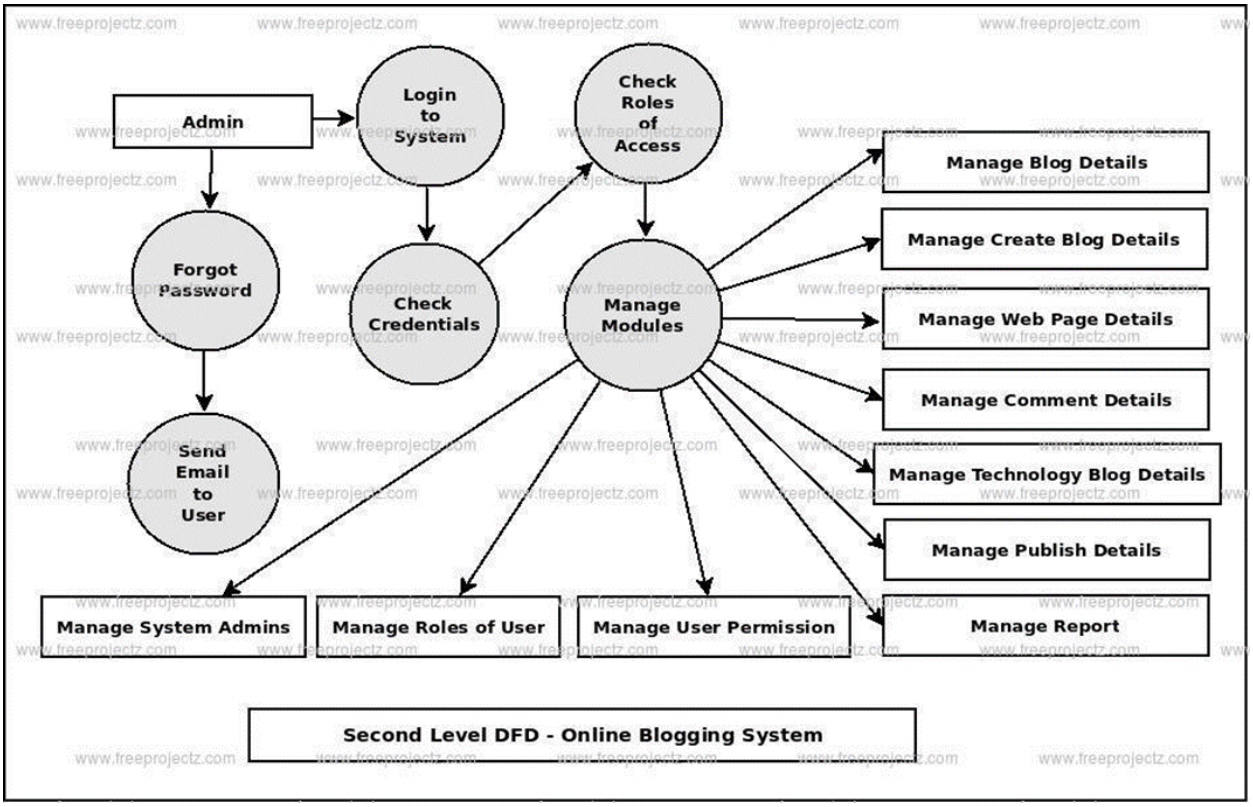

Fig: 5.1 System Architecture of Responsive Blog Website

The above fig: 5.1, ensures secure access to the platform, protecting sensitive data and mitigating potential security threats. The system incorporates user roles and permissions, allowing administrators to define access levels based on user responsibilities, thereby enhancing data security. The transaction history feature is a critical component of the system design, capturing and storing a comprehensive log of all changes made to registered items. This feature not only supports transparency but also serves as a valuable tool for auditing, error detection, and correction. The system's flexibility is evident in the design that enables users to update or delete registered items, ensuring that the platform remains adaptable to changing requirements.

CHAPTER 6

SOURCE CODE

6.1 HTML CODE

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="UTF-8" />

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

    <title>Javascript DOM exercises</title>

    <script src="https://kit.fontawesome.com/8d3cb51f30.js"
crossorigin="anonymous"></script>

    <link rel="stylesheet" type="text/css" href="style.css" />

  </head>

  <body>

    <div class="container">

      <div class="side-form">

        <form class="content-form" id="items-form">

          <h4 class="title-form">Register products</h4>

          <label>Product name</label>

          <input class="input-product" type="text" />

          <label>Product description</label>

          <textarea class="area-description"></textarea>

          <label>Quantity</label>

          <input class="input-qtt" type="number" />

          <label>Price</label>

          <input class="input-price" type="number" />

          <input class="btn-submit"  type="submit">Submit</input>
```

```
      </form>
    </div>

    <div class="products-output">
      <h4 id="output-items-title">Your items</h5>
      <div class="input-field-container">
        <input type="text" name="filter" id="filter" />
        <label for="filter">Filter Products</label>
      </div>
      <div class="collection"></div>


      <div class="btn-clear-position">
      <a href="#" class="clear-items btn-black">Clear Products</a>
      </div>
    </div>
  </div>
  <div class="footer-position">
    <footer class="footer">
      Created By Navya & Nayana
    </footer>
  </div>
  <script src="main11.js"></script>
 </body>
</html>
```

6.2 CSS CODE

```
body {
  font-family: Arial, Helvetica, sans-serif;
  background-color: skyblue;
}
.container {
  padding: 5px;
  display: flex;
  justify-content: space-evenly;
}
.side-form {
  display: flex;
  flex-direction: column;
  justify-content: center;
  border-right: solid 1px black;
  margin: 0;
  padding: 0;
}
.content-form {
  display: flex;
  flex-direction: column;
  width: 330px;
  height: 500px;
  background-color: blueviolet;
  border-radius: 8px;
}
```

```
.title-form {
  display: flex;
  flex-direction: row;
  justify-content: center;
}
.input-price {
  display: flex;
  flex-direction: row;
  justify-content: center;
  width: 100px;

  border-radius: 4px;
  margin: 10px;
}

.img-upload  {
  display: flex;
  flex-direction: column;
  justify-content:  center;
  width: 300px;
  height: 150px;
  margin: 10px;
}

.input-img {
  display: flex;
  flex-direction: column;
```

```
  justify-content: center;
  width: 200px;
  margin-left: 55px;
}
.btn-submit {
  display: flex;
  border-radius: 4px;
  margin-top: 30px;
  margin-left: 85px;
  background-color: white;
  width: 100px;
  height: 30px;
  text-align: center;
  align-items: center;
  justify-content: center;
  font-weight: 600;
  font-size: 1.1rem;
}
label {
  margin-left: 10px;
}
.input-product {
  display: flex;
  width: 300px;
  height: 25px;
  border-radius: 4px;
  margin: 10px;
```

```
}
.footer-position {
  position:  fixed;
  left: 0;
  bottom: 0;
  width: 100%;
}
.footer {
  text-align: center;
}
```

6.3 JAVASCRIPT CODE

```
// Difine Vars
const form = document.querySelector('#items-form');
const itemsList = document.querySelector('.collection');
const clearBtn = document.querySelector('.clear-items');
const filter = document.querySelector('#filter');
const productName = document.querySelector('.input-product');
const productDescription = document.querySelector('.area-description');
const qttItem = document.querySelector('.input-qtt');
const priceItem = document.querySelector('.input-price');
const inProduct = [productName, productDescription, qttItem, priceItem];


//console.log(inProduct);


// Load all event listeners
loadEventListeners();
```

```
// Load all event listeners

function loadEventListeners() {
  // DOM Load event
  document.addEventListener('DOMContentLoaded', getItems);
  // Add item event
  form.addEventListener('submit', addItem);
  // Delete item event
  itemsList.addEventListener('click', deleteItem);
  // Clear Items event
  clearBtn.addEventListener('click', clearItems);
  // filter Items event
  filter.addEventListener('keyup', filterItems);
}
// Clear from Local Storage
  clearItemsFromLocalStorage();
}

//Clear items from Local Storage
function clearItemsFromLocalStorage() {
localStorage.clear();
}
//Append elements
  div.appendChild(pDescription);
  pDescription.appendChild(pqtt);
  pqtt.appendChild(pPrice);
```

```
  pPrice.appendChild(link);

  // append div to main div collection
  itemsList.appendChild(div);

  // Store local storage
  storeIteminLocalstorage(productName.value, productDescription.value);

  //clear input
  productName.value = '';
  productDescription.value = '';

  e.preventDefault();
}

//store item
function storeIteminLocalstorage(item1) {
  let items;
  if (localStorage.getItem('items') === null) {
    items = [];
  } else {
    items = JSON.parse(localStorage.getItem('items'));
  }
  items.push(item1);

  localStorage.setItem('items', JSON.stringify(items));
}
```

```
// Filter Items
function filterItems(e) {
  const text = e.target.value.toLowerCase();

  document
    .querySelectorAll('.collection-item')
    .forEach(function (itemCollection) {
      const item = itemCollection.firstChild.textContent;
      if (item.toLowerCase().indexOf(text) != -1) {
        //if no match is -1
        itemCollection.style.display = 'block'; //is is no equal to -1 do this
      } else {
        itemCollection.style.display = 'none'; //if isn't match is the else and does not display
      }
    });
}
```

CHAPTER 7

SNAPSHOT

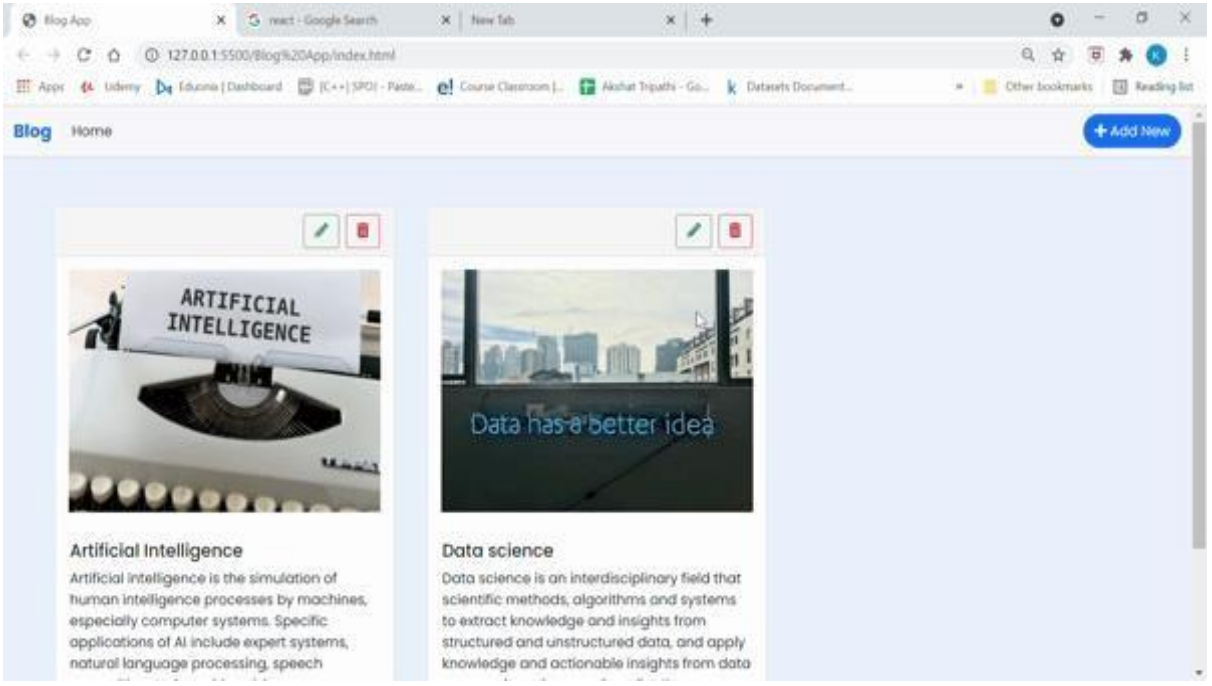

Fig 7.1 :Home Page

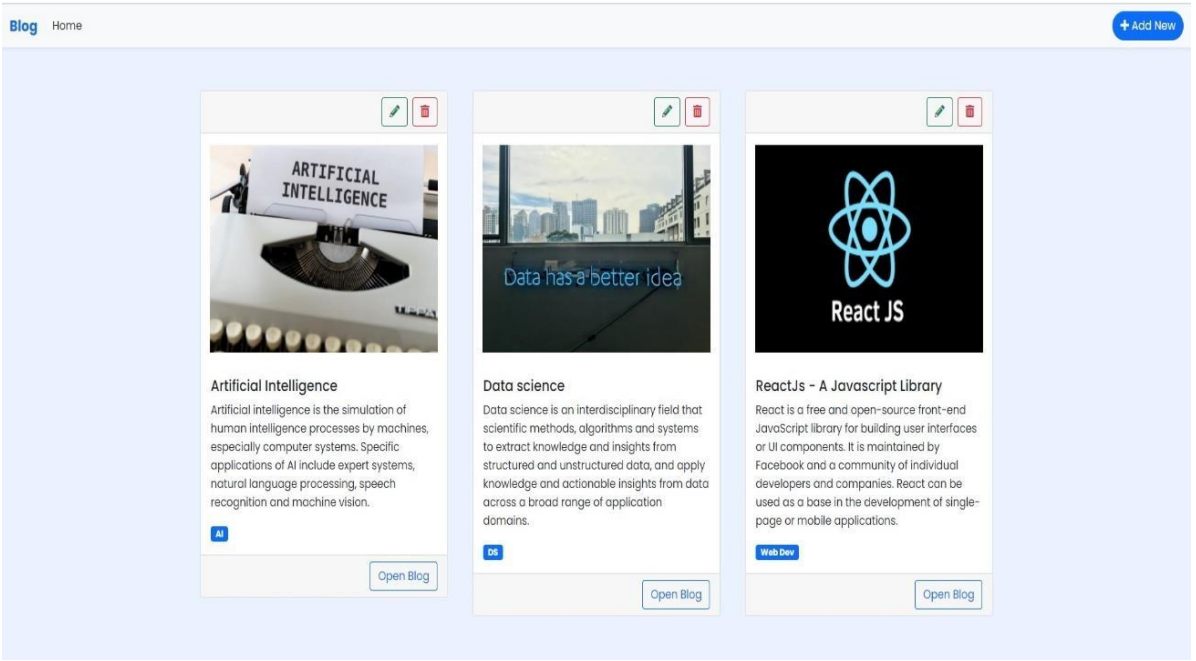

Fig 7.2 :Adding Items

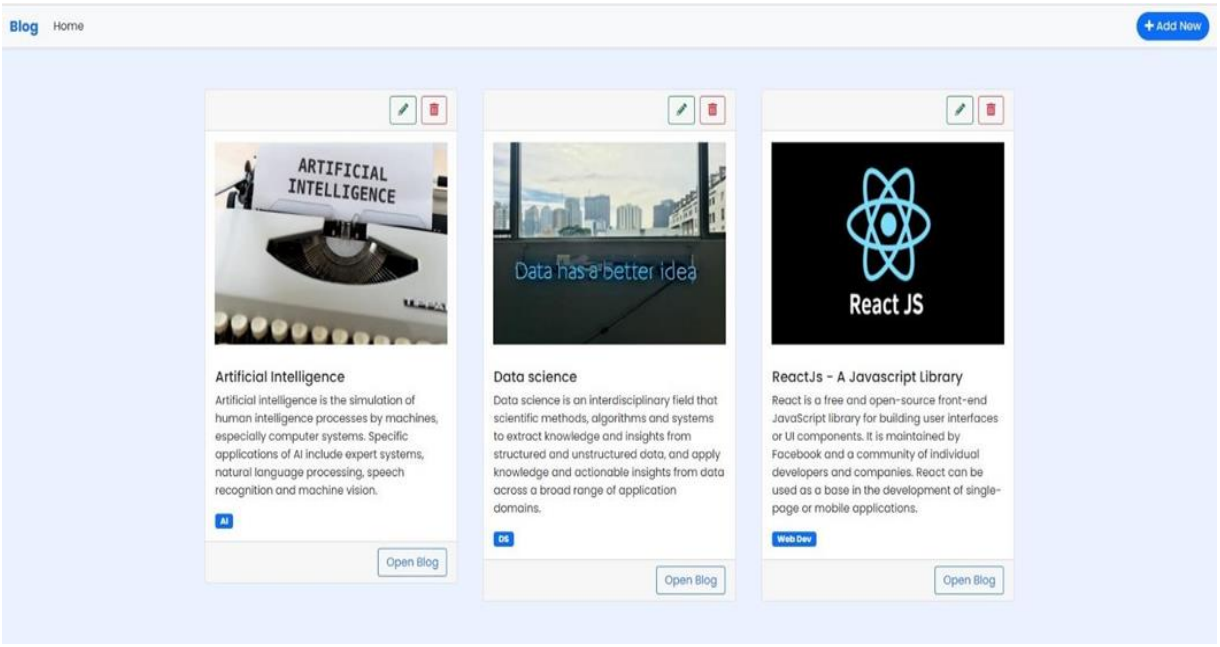

Fig 7.3 :Search Items

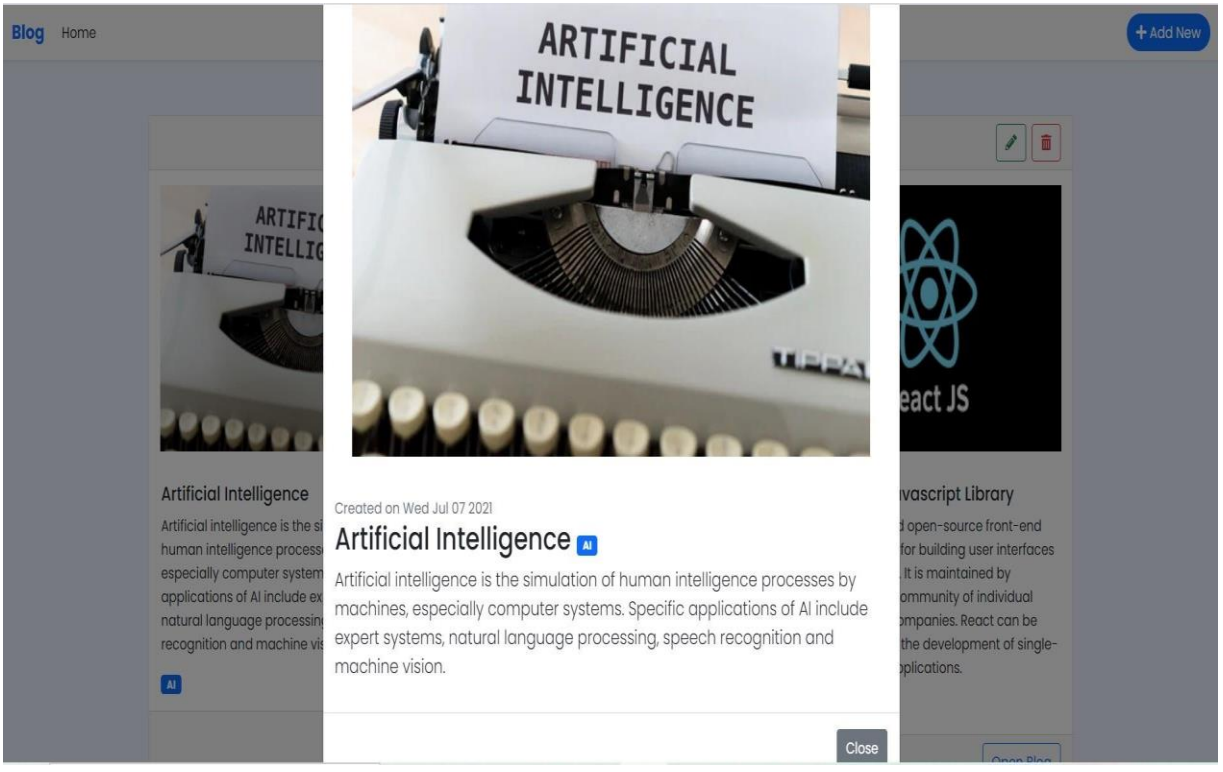

Fig 7.4 :Delete Items

CONCLUSION

The Responsive Blog Web project represents a significant leap forward in the realm of digital content creation and consumption. By prioritizing responsive design principles and leveraging HTML, CSS, and JavaScript, the project ensures a seamless and visually engaging platform across diverse devices. The streamlined content management system empowers bloggers, allowing them to focus on creativity rather than grappling with technical intricacies.The project's commitment to user engagement is evident through the implementation of an interactive commenting system and seamless social media integration, fostering a sense of community among bloggers and readers. The infusion of modern aesthetics further enhances the visual appeal, creating an environment where content not only communicates but captivates

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