

# **BLOG WEBSITE**

**A MINI-PROJECT REPORT**

*Submitted by*

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*in partial fulfilment for the course*

**CD19643 – WEB ESSENTIALS**

*for the degree of*

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**in**

**COMPUTER SCIENCE AND DESIGN**

**RAJALAKSHMI ENGINEERING COLLEGE**

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**MAY 2024**

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**BONAFIDE CERTIFICATE**

Certified that this project report “ **BLOG WEBSITE** ” is the bonafide work of “**SANJEEV BRAGADEESH U (211701036) MANASSEH JAYANAND (211701029)** ” who carried out the project work for the subject CD19643 – Web Essentials under my supervision.

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## **ABSTRACT:**

The financial website project is a comprehensive online platform developed using HTML, CSS, and PHP technologies, facilitating efficient account management for a finance company. With a focus on accessibility and security, the website provides distinct login portals for administrators, users, and staff members, each tailored to their specific roles and responsibilities. Admin login enables authorized personnel to oversee and manage user accounts, transactions, and system settings, ensuring smooth operation and compliance with regulatory requirements. Users are granted access to their accounts, where they can perform various financial activities such as fund transfers, bill payments, and account inquiries. Staff members utilize their login credentials to handle customer inquiries, resolve issues, and provide assistance, enhancing customer satisfaction and retention. The project's primary objective is to streamline account access and management processes, offering a user-friendly interface and robust backend functionality. Leveraging PHP to interact with the database, the website ensures data integrity and security while facilitating seamless communication between users and the financial system. Through meticulous design and implementation, the project addresses key challenges in the finance industry, including data privacy, transaction security, and user experience. By prioritizing usability, accessibility, and security measures, the website enhances the overall efficiency and reliability of financial transactions, catering to the diverse needs of both individual users and institutional clients. In conclusion, the financial website project represents a significant milestone in modernizing account management practices within the finance sector. Its user-centric design, coupled with robust technical infrastructure, positions it as a valuable asset for the finance company, empowering users with convenient, secure, and seamless access to their financial accounts.

## ACKNOWLEDGEMENT

Initially we thank the Almighty for being with us through every walk of our life and showering his blessings through the endeavour to put forth this report. Our sincere thanks to our Chairman **Mr.S.Meganathan, B.E, F.I.E.**, our Vice Chairman **Mr. Abhay Shankar Meganathan, B.E., M.S.**, and our respected Chairperson **Dr. (Mrs.) Thangam Meganathan, Ph.D.**, for providing us with the requisite infrastructure and sincere endeavouring in educating us in their premier institution.

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# **CHAPTER 1**

## **INTRODUCTION**

In today's digital age, technology has become deeply ingrained in every aspect of our lives, fundamentally altering how we interact, communicate, and perceive the world around us. This blog seeks to delve into the complex interplay between technology and human experience, examining the myriad ways in which digital innovations shape our daily lives and influence societal dynamics. From the rise of artificial intelligence and machine learning to the proliferation of social media platforms, the digital landscape is constantly evolving, presenting both opportunities and challenges. By exploring these developments through a critical lens, this blog aims to foster a deeper understanding of the implications of technology on individuals, communities, and the broader global society. Through thought-provoking analyses, insightful commentary, and engaging narratives, our blog endeavors to unpack the multifaceted relationship between humans and technology. Whether discussing the ethical dilemmas of data privacy, the psychological impacts of social media usage, or the transformative potential of emerging technologies, we aim to provide readers with valuable insights and perspectives to navigate the complexities of the digital age. Join us on a journey of exploration and discovery as we navigate the ever-changing landscape of technology and its profound impact on the human experience. Together, let us delve into the fascinating intersection of technology, humanity, and the future that lies ahead. In an era where screens dominate our attention and digital realms intertwine with physical spaces, it's crucial to examine the multifaceted impacts of our increasingly digitalized world. This blog ventures beyond the surface of digital interactions, delving into the depths of the digital wilderness to uncover its hidden landscapes and untold stories. Join us as we embark on a quest to unravel the mysteries of the digital wilderness, uncover its hidden treasures, and chart a course towards a more informed and empowered digital future. Through insightful analysis, captivating narratives, and thought-provoking discussions, we invite you to join the expedition into the heart of the digital wilderness.

## **CHAPTER 2**

### **OBJECTIVE**

#### **2.1. Streamlined Account Access:**

- Facilitate easy and intuitive access to financial accounts for administrators, users, and staff members.
- Minimize the time and effort required for users to log in and perform account-related activities.

#### **2.2. Role-Based Functionality:**

- Implement distinct login portals and functionalities for administrators, users, and staff members.
- Ensure that each user role has access only to the features and information relevant to their responsibilities.

#### **2.3. Efficient Account Management:**

- Enable administrators to manage user accounts, transactions, and system settings efficiently and effectively.
- Empower users to perform a range of financial activities, including fund transfers, bill payments, and account inquiries, with ease.

#### **2.4. Enhanced User Experience:**

- Design a user-friendly interface that promotes ease of navigation and accessibility for users of all technical proficiencies.
- Optimize the website's performance to deliver a seamless and responsive user experience across various devices and screen sizes.

## **2.5. Data Security and Confidentiality:**

- Implement robust security measures to safeguard sensitive financial data against unauthorized access, breaches, and cyber threats.
- Ensure compliance with industry standards and regulations governing data privacy and security.

## **2.6. Technical Integration and Scalability:**

- Utilize PHP to seamlessly connect the website with the underlying database, ensuring efficient data retrieval and manipulation.
- Design the website architecture to accommodate future expansion, scalability, and integration with other systems or platforms.

## **2.7. Customer Support and Satisfaction:**

- Provide adequate support and assistance to users through staff login functionalities, including resolving inquiries, addressing issues, and providing guidance.
- Enhance customer satisfaction by delivering prompt and personalized support services tailored to individual user needs.

## **2.8. Business Objectives Alignment:**

- Align the website's functionalities and features with the broader business objectives and goals of the finance company.
- Ensure that the website contributes to the company's mission of providing reliable, efficient, and customer-centric financial services.

## **CHAPTER 3**

### **FUNCTIONAL OVERVIEW**

#### **3.1. Administrator:**

- User Management: Administrators can create, modify, and delete user accounts. They have the authority to manage user permissions and roles within the system.
- Transaction Monitoring: Administrators can view and monitor user transactions, including fund transfers, bill payments, and account balances.
- System Configuration: Administrators have access to system settings and configurations, allowing them to customize features, security settings, and other parameters as needed.
- Reporting and Analytics: Administrators can generate reports and analyze financial data to track performance metrics, identify trends, and make informed decisions.

#### **3.2. User:**

- Account Access: Users can log in to their accounts securely using their credentials.
- Account Management: Users can perform various account management tasks, such as viewing account balances, updating personal information, and changing passwords.
- Financial Transactions: Users can initiate fund transfers between accounts, make bill payments to authorized merchants, and view transaction history.
- Communication: Users may have access to messaging or support features to communicate with customer service representatives or submit inquiries.

#### **3.3. Staff:**

- Customer Support: Staff members can access user accounts to provide assistance, answer inquiries, and resolve issues promptly.
- Issue Resolution: Staff members have tools to address user concerns, such as transaction disputes, account discrepancies, or technical issues.



- Documentation and Notes: Staff members can add notes or documentation to user accounts for reference and tracking purposes.

- User Verification: Staff members may have the authority to verify user identities or perform additional security checks as needed.

### 3.4. General Functions (for all user roles):

- Security Features: All users benefit from security measures such as encrypted communication, password protection, and multi-factor authentication to safeguard their accounts and data.

- Notifications: Users receive notifications for important account activities, such as successful transactions, password changes, or security alerts.

- Accessibility: The website is designed to be accessible to users with disabilities, complying with accessibility standards and guidelines.

- Help and Support: Users can access help resources, FAQs, or support channels to obtain assistance or guidance as needed.

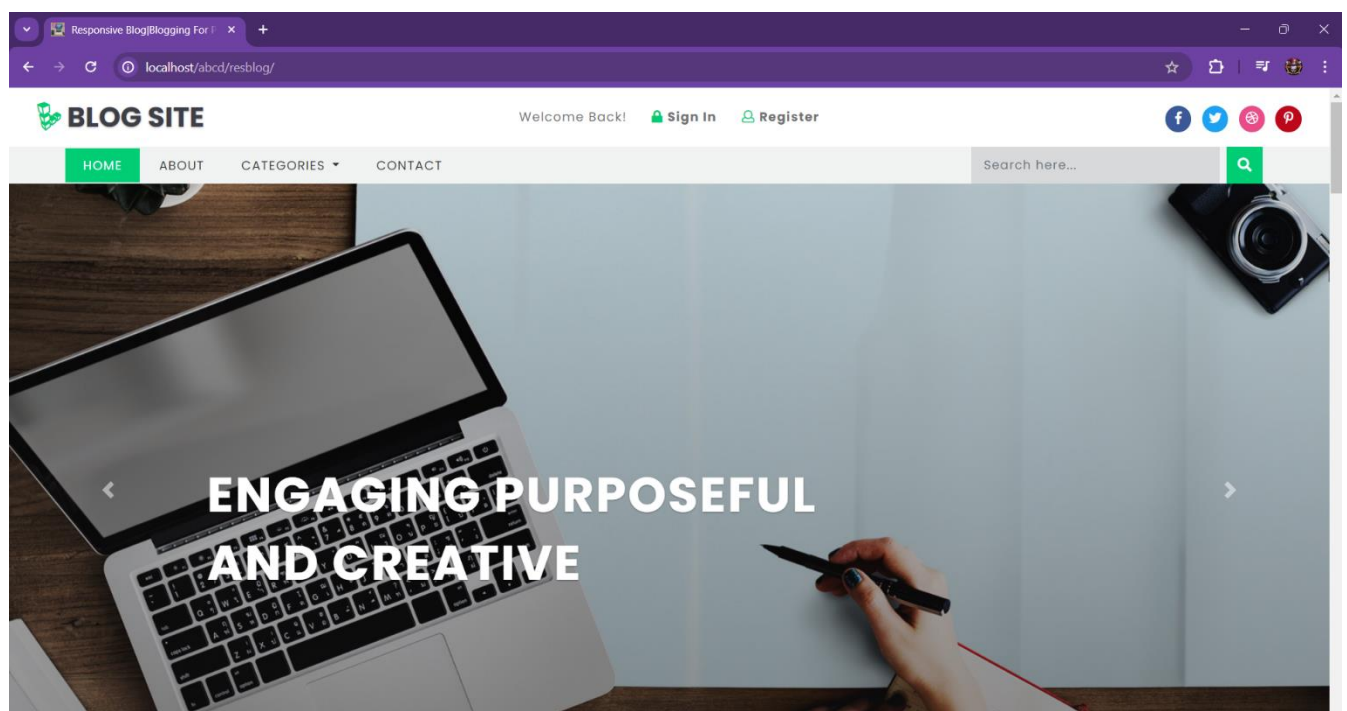


Fig 3.1.1 Login page for different accounts.

### **3.5 Features of the online banking system in PHP:**

- Registration system
- Login and Logout system
- Admin panel
- Staff panel
- Client panel
- Deposit Amount
- Withdraw Amount
- Transfer amount
- Check account balance
- Print account statement
- Platform settings
- Notification system
- Reports on each account
- Add staffs
- Manage staffs
- Add clients
- Manage registered clients
- Multiple accounts by users
- Transaction history
- Script Details

## **CHAPTER 4**

### **TECHNICAL IMPLEMENTATION**

#### **4.1. Frontend Development:**

**HTML/CSS:** The frontend of the website is built using HTML for structuring the content and CSS for styling and layout design.

**Responsive Design:** The website is designed to be responsive, ensuring optimal viewing and interaction experience across a wide range of devices and screen sizes.

**User Interface (UI):** The UI is designed with a focus on usability and accessibility, featuring intuitive navigation, clear call-to-action buttons, and user-friendly forms.

#### **4.2. Backend Development:**

**PHP:** The backend of the website is powered by PHP, a server-side scripting language, which handles dynamic content generation and interacts with the database.

**Database Connectivity:** PHP is used to establish connections with the database, allowing for data retrieval, manipulation, and storage.

**Object-Oriented Programming (OOP):** PHP is structured using object-oriented programming principles, enhancing code modularity, reusability, and maintainability.

**Database Management System (DBMS):** MySQL or another relational database management system (DBMS) is utilized to store and manage user data, account information, transaction records, and system configurations.

### **4.3. User Authentication and Authorization:**

User Authentication: The website employs secure authentication mechanisms, such as hashing and salting, to authenticate users and verify their identity during login.

Session Management: PHP session management techniques are utilized to maintain user sessions and track user activity throughout their session duration.

Role-Based Access Control (RBAC): Role-based access control is implemented to define and enforce user roles and permissions, ensuring that users only have access to functionalities relevant to their role.

## After creating a database:

Open a new tab on your browser and go to the path. E.g. “http://localhost/Internet-banking/”  
OR http://localhost/[The project folder]/. The home page will be displayed; from there you can access different portals which are on the website.

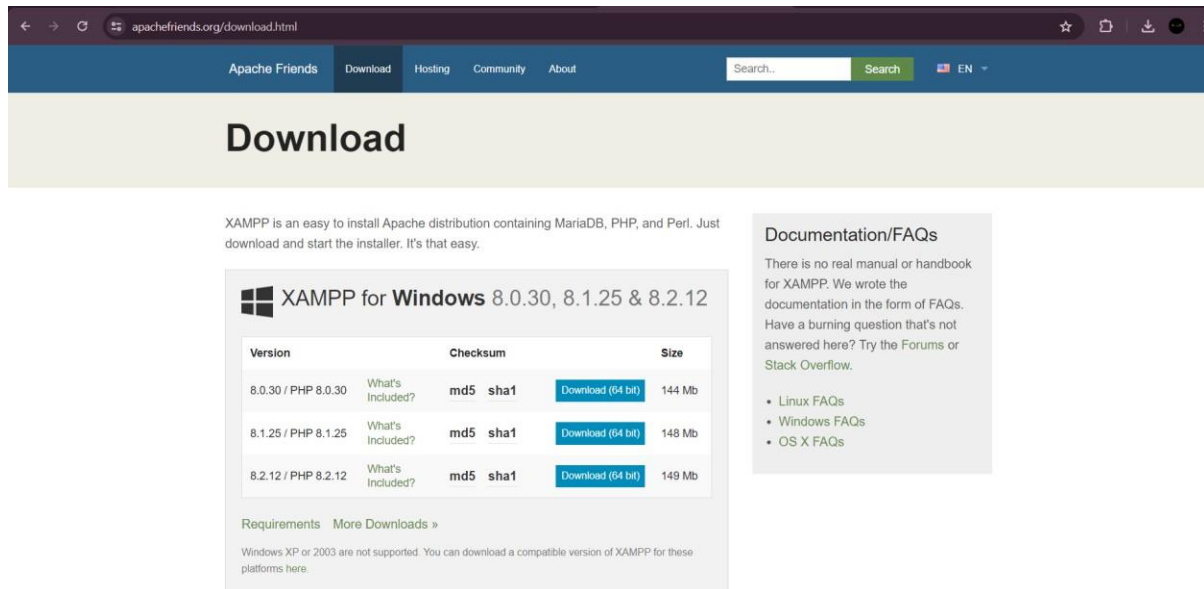


Fig 4.4.1 Website for downloading XAMPP

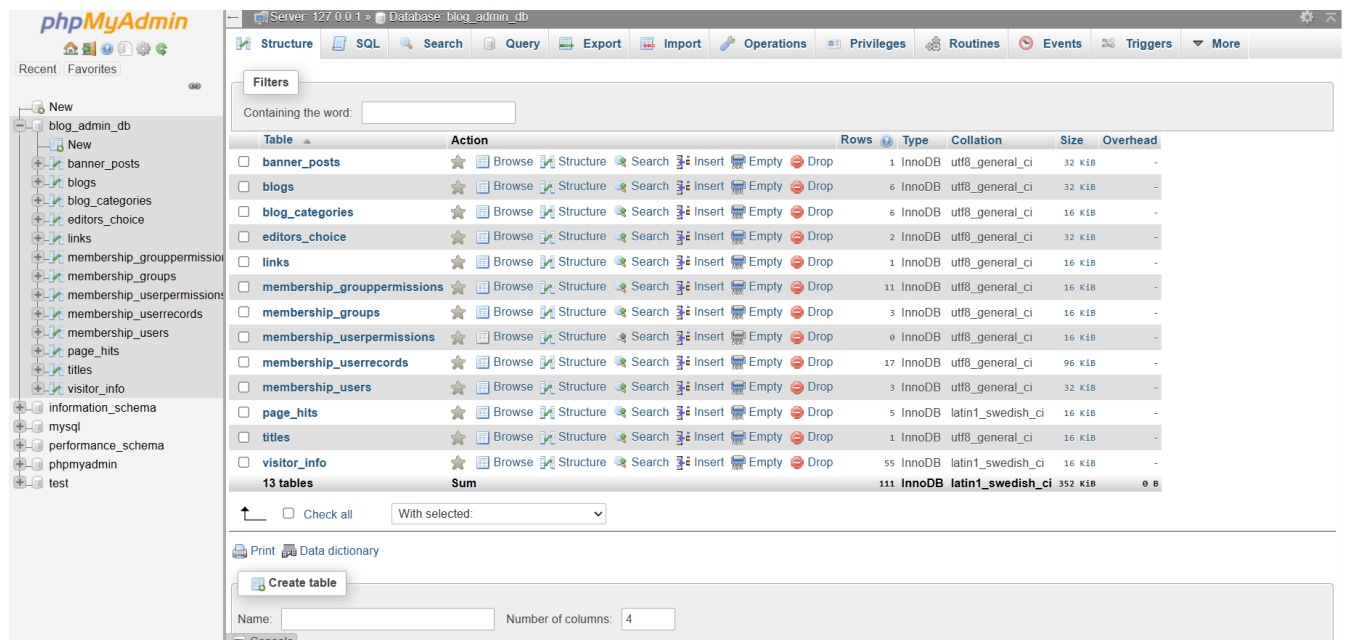


Fig 4.4.2 Loading the database into the PHP admin portal

## 4.4 WORKFLOW:

Upon accessing the financial website via a web browser, users are directed to the login page where they input their credentials, including username and password. The website then verifies the entered credentials for authentication and identifies the user's role based on the provided information, distinguishing between administrators, regular users, and staff members. Following successful authentication, users are redirected to their respective dashboards tailored to their roles. Administrators gain access to a comprehensive set of administrative tools encompassing user management, transaction monitoring, and reporting functionalities. Regular users are equipped with account management features enabling tasks such as viewing balances, initiating transactions, and updating personal information. Upon completing their tasks or when exiting the website, users log out of the system, terminating their sessions and clearing any session data. With the logout process concluded, users conclude their sessions, either exiting the website or continuing with other activities as needed.

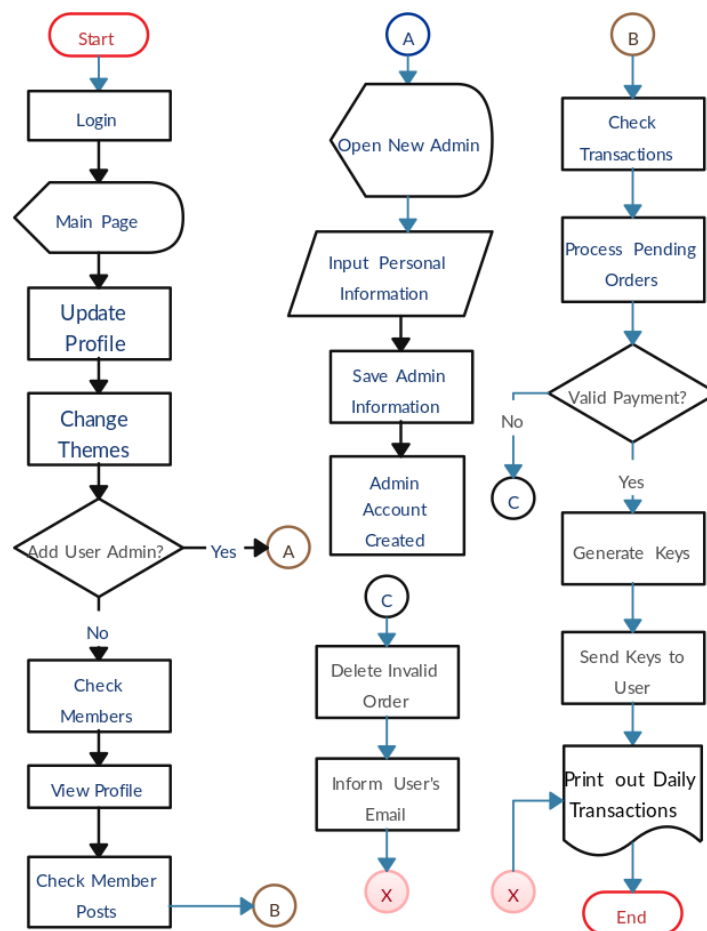


Fig 4.5.1 Workflow Diagram

## 4.5 USER INTERFACE:

The user interface of our financial website is designed with a primary focus on usability, accessibility, and intuitive navigation to enhance the overall user experience. The UI features a clean and modern design, with a visually appealing layout that facilitates easy comprehension and interaction for users of all levels of technical proficiency.

Key Features of the User Interface:

1. **Responsive Design:** The website is optimized to adapt seamlessly to various screen sizes and devices, ensuring consistent usability and accessibility across desktops, laptops, tablets, and mobile phones.
2. **Intuitive Navigation:** Clear and logical navigation menus, buttons, and links are strategically placed throughout the website to guide users efficiently to their desired destinations and functionalities.
3. **User-Friendly Forms:** Input forms for login, account registration, and other interactions are designed to be user-friendly, with clear labels, instructions, and error messages to assist users in completing tasks accurately and efficiently.
4. **Visual Consistency:** Consistent use of colors, fonts, icons, and imagery throughout the website maintains visual coherence and reinforces brand identity, contributing to a cohesive and professional user experience.
5. **Accessibility Features:** Accessibility considerations are incorporated into the design to ensure that all users, including those with disabilities, can access and interact with the website effectively. This includes support for keyboard navigation, screen reader compatibility, and adherence to accessibility standards and guidelines.
6. **Interactive Elements:** Interactive elements such as buttons, sliders, dropdown menus, and modal dialogs are implemented judiciously to enhance user engagement and facilitate seamless interaction with the website's functionalities.
7. **Feedback and Validation:** Real-time feedback and validation mechanisms are integrated into form fields and user actions to provide users with immediate feedback on their inputs, helping to prevent errors and guide them through the user journey smoothly.

# CHAPTER 6

## OUTPUT

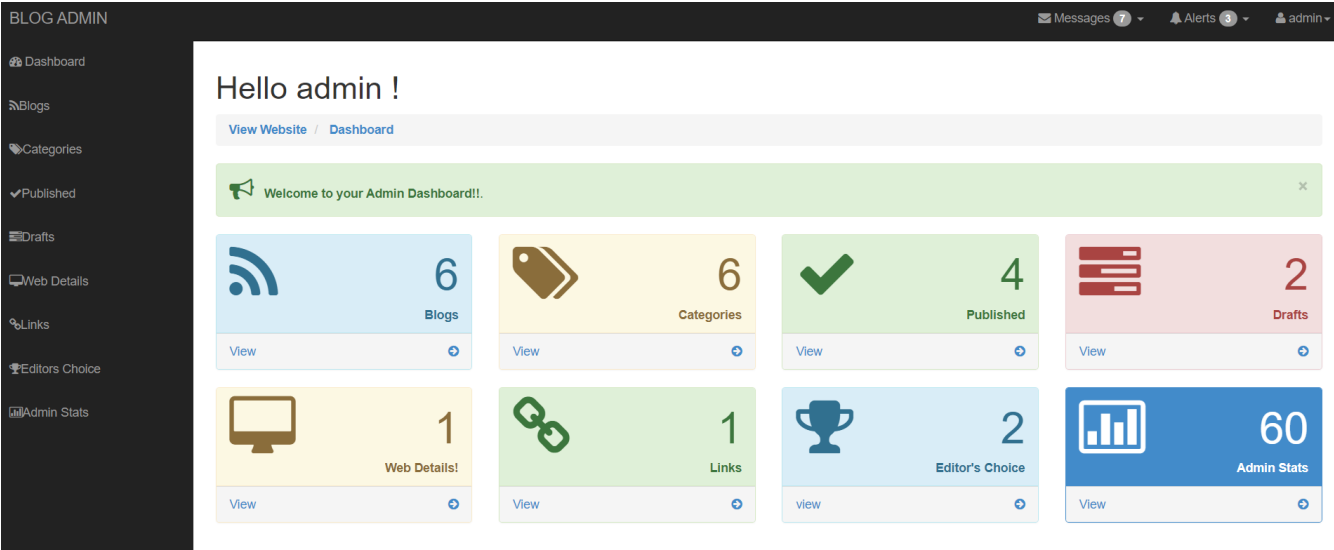


Fig 6.1 Admin page dashboard

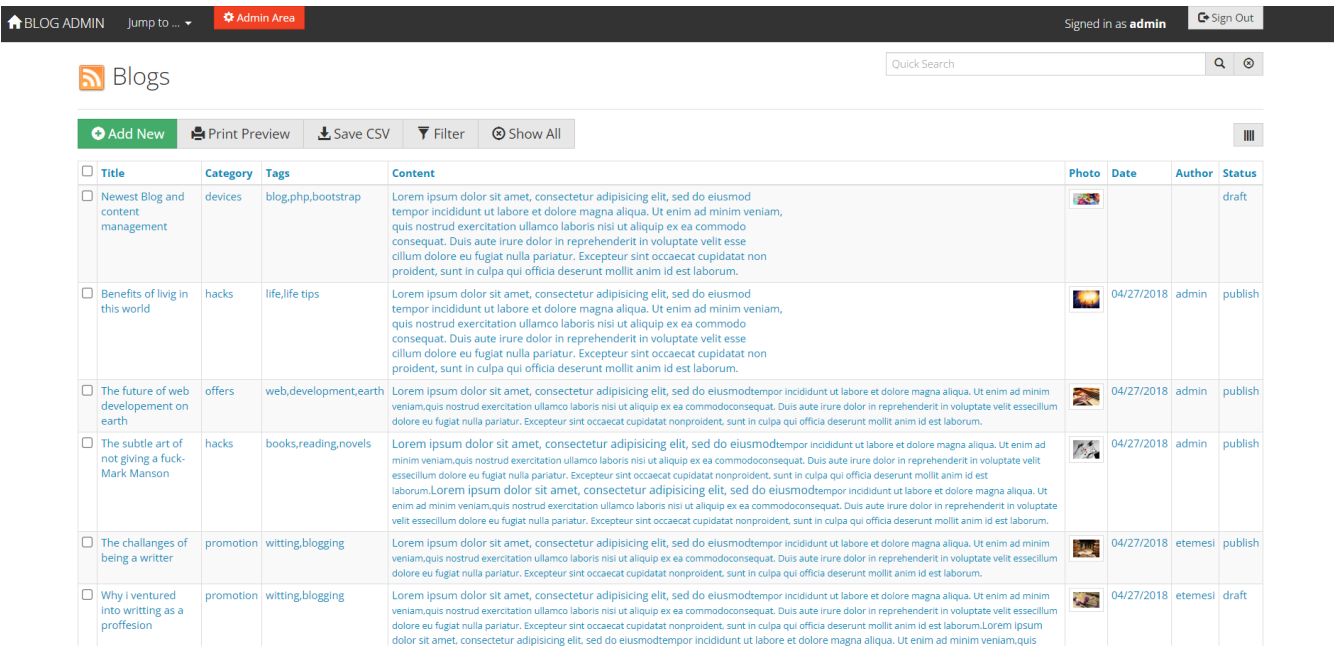


Fig 6.2 Admin accessing.



## Membership Management Homepage

Maintenance mode OFF ON

### Newest Updates

04/28/2018, 03:29 am	1, http://www.facebook.com, http...
04/28/2018, 12:36 am	1, Responsive Blog, Blogging For ...
04/27/2018, 09:40 pm	6, entertainment
04/27/2018, 09:10 pm	6, Why i ventured into writing as ...
04/27/2018, 09:07 pm	5, The challanges of being a writt...

### Newest Entries

04/27/2018, 09:40 pm	6, entertainment
04/27/2018, 09:10 pm	6, Why i ventured into writing as ...
04/27/2018, 09:07 pm	5, The challanges of being a writt...
04/27/2018, 05:31 am	2, 3
04/27/2018, 05:31 am	1, 4


### Top Members

admin	14 records
etemesi	3 records


### Members Stats

Total groups	3
Active members	3
Members awaiting approval	0
Banned members	0
Total members	3


Fig 6.3 Staff managing Homepage.





10 Fastest Motorcycles You Can Buy In 2024  
Bikes | admin



10 fastest cars in the world 2024  
Cars | admin



RCB vs CSK, Playoff chances: Bengaluru rain threatens to washout May 18 virtual knockout  
Sports | admin



### Categories

tricks	0
hacks	0
offers	0

Fig 6.4 clients side view.

### Sign Up Here!

✖ Username already exists or is invalid. Make sure you provide a username containing 4 to 20 valid characters.

Group


authors

If you choose to sign up to a group marked with an asterisk (\*), you won't be able to log in until the admin approves you. You'll receive an email when you are approved.

Sign Up

Fig 6.5 Client side login in page.

[Home](#) / [Blog](#)



**RCB vs CSK, Playoff chances: Bengaluru rain threatens to washout May 18 virtual knockout**

The highly anticipated clash between RCB and CSK during Match 68 of the Indian Premier League 2024 is likely to get washed out as rain threat looms large over the crucial fixture. Notably, the match scheduled to be held at the M. Chinnaswamy Stadium in Bengaluru on Saturday, May 18 is extremely important for RCB as their playoffs chances are pinned on a good win in the encounter.

### Categories

tricks	0
hacks	0
offers	0
promotion	0
devices	1
entertainment	3
SPORTS	3
college	1
CARS	1
BIKES	1

### Stay Connected

Fig 6.6 Client side blogs view.

## **CHAPTER 7**

### **CONCLUSION**

In conclusion, the development of our financial website represents a significant milestone in our mission to modernize account management practices within the finance sector. Through the utilization of HTML, CSS, PHP, and other cutting-edge technologies, we have successfully created a robust and user-friendly platform that empowers users with convenient, secure, and seamless access to their financial accounts. The user-centric design of our website, coupled with intuitive navigation and accessibility features, ensures that users of all levels of technical proficiency can interact with ease and confidence. By providing distinct login portals and role-specific functionalities for administrators, users, and staff members, we have streamlined account access and management processes, enhancing efficiency and productivity for both users and finance company personnel. Furthermore, our commitment to security is reflected in the implementation of robust security measures, including encryption techniques, authentication mechanisms, and adherence to industry standards and regulations. These measures ensure the confidentiality, integrity, and security of user data, safeguarding against potential threats and vulnerabilities. Looking ahead, we recognize the importance of continuous improvement and innovation to meet the evolving needs and expectations of users and stakeholders. We remain committed to soliciting user feedback, evaluating emerging technologies, and implementing enhancements to further enhance the user experience, security, and functionality of our financial website.

In conclusion, our financial website project exemplifies our dedication to excellence, innovation, and customer satisfaction in the realm of financial technology. We are confident that our website will serve as a valuable asset for our finance company, empowering users with greater control, convenience, and confidence in managing their financial affairs.

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<https://www.wix.com/https://www.wix.com/>