IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.53
Volume 4, Issue 5, April 2024

Online Mobile Comparison Website

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Abstract: *The Online Mobile Price and Specification Comparison Website project represents a pioneering in the realm of e-commerce and consumer decision- making, addressing the ever-growing complexities and challenges faced by users in the dynamic mobile device market. This ambitious initiative seeks to provide a centralized and user-friendly platform that empowers consumers with a wealth of accurate and up-to-date information, enabling them to make informed decisions when comparing mobile device prices, specifications, and user reviews. The project's foundation lies in a sophisticated PHP-based architecture, featuring a meticulously designed relational database for efficient data management and retrieval, coupled with an intuitive and responsive frontend interface crafted using HTML, CSS, and JavaScript.*

The robust backend infrastructure operates within a three-tier architecture, with a presentation layer designed for optimal user experience, an application layer managing data processing and user authentication, and a data layer comprising a well- structured relational database. The intricate data structure ensures optimal performance, data integrity, and efficient retrieval of information, with tables like 'Mobiles,' 'Brands,' and 'Specifications' contributing to a comprehensive and organized database..

Keywords: Smart Phone, Html, Css, JavaScript

I. INTRODUCTION

The "Online Mobile Price and Specification Comparison Website" is a comprehensive PHP-based platform designed to simplify the process of comparing mobile device prices, specifications, and user reviews. The system encompasses a robust backend infrastructure supported by a well-structured relational database, ensuring efficient data management and retrieval. The frontend is crafted with an intuitive and responsive design using HTML, CSS, and JavaScript, providing users with a seamless and visually appealing interface for a rich user experience.

Need of the system:

In the fast-paced and dynamic mobile device market, consumers face challenges in accessing accurate and up-to-date information for making informed purchasing decisions. The need for a centralized and reliable platform arises to address this gap, offering users a one-stop solution to compare mobile prices, specifications, and user reviews conveniently. This system aims to empower users with the necessary information to navigate the diverse landscape of mobile devices efficiently

Objective of the system:

The primary objective of the system is to provide users with a centralized and user- friendly platform for comparing mobile device prices, specifications, and user reviews. The system aims to streamline the decision-making process for consumers by offering a comprehensive and up-to-date database, intuitive search and comparison tools, and a secure environment for user interaction. Through these objectives, the system strives to enhance the overall user experience and contribute to informed decision-making.

II. LITERATURE REVIEW

Several limitations characterize the existing systems, including the lack of real-time data updates, incomplete or inconsistent information, and suboptimal user interfaces. The absence of a secure user authentication system may compromise user data, and the scarcity of moderation features for user-generated content may affect the reliability of

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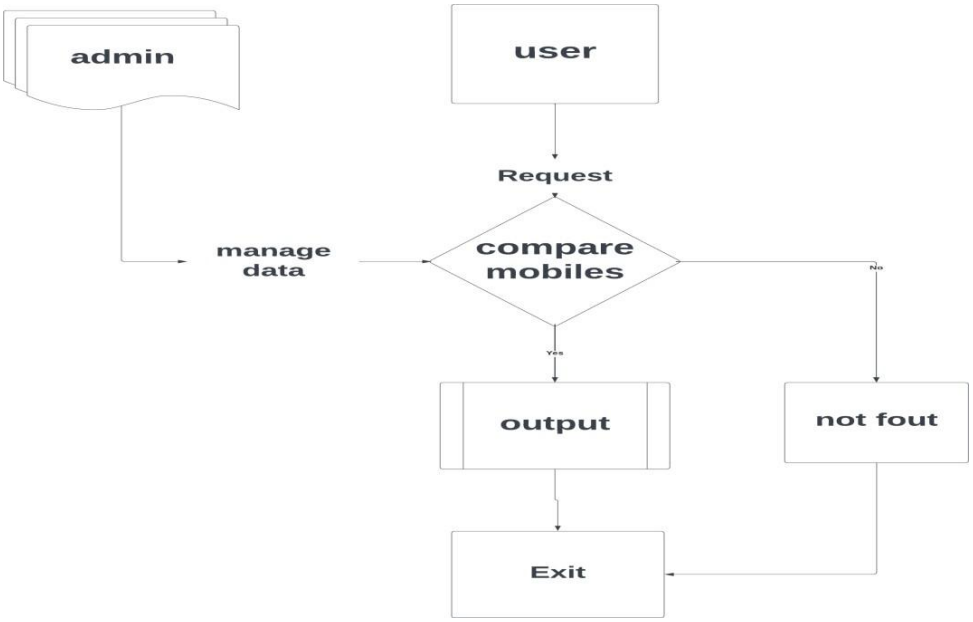
reviews. These limitations underscore the necessity for a more robust and feature-rich system that overcomes these challenges, ensuring accuracy, security, and an enhanced user experience.

Working of the project:

This price comparison website for products will help to compare the price from various e-commerce websites, This Price comparison site is extremely helpful for frequent online shoppers to check prices on different online stores in one place, This system will show you the product prices from different retailers to show you where to buy the product at affordable price, Any two static websites classes are analysed to get the pricing details ,to get the pricing details, the system visits the website based on user's search and downloads the html search page of that specific website ,Once prices from both the websites are retrieved, it is displayed on our website in the form of price comparison.

III. BLOCK DIAGRAM



IV. CONCLUSION

In conclusion, the development of the "Online Mobile Price and Specification Comparison Website" has addressed the identified challenges in the existing landscape by providing users with a centralized and user-friendly platform. The proposed system integrates a three-tier architecture, comprising a responsive presentation layer, a robust application layer, and a well- organized data layer. Through meticulous data structure design, real-time data updates, and an intuitive user interface, the system enhances the overall user experience, enabling consumers to make informed decisions when comparing mobile device prices, specifications, and user reviews. The implementation methodology, including the use of PHP frameworks and continuous testing, ensures a reliable and feature-rich system.

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