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Book-Kart

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ABSTRACT

The project can be defined clearly as the pre-booking or registering to get a book from the library without any delay. The user will register for the required book he/she needs from the library. Initially the user will sign up into the application; if he/she is already having an account then they can directly login into the application. A home page will be displayed initially which shows the branches available in the college. After selecting the branch, it displays the semesters of the students and the student selects the semester. After selecting the semester, we display all the subjects that are present in that semester. Each subject will have its own reference books along with the availability in the library. The student selects the reference book and registers to take the book. After adding it to the cart the final step is displaying the submission date and an ID for the book is generated by which the student can easily acquire a book from the library using it. If the student doesn't return the book on time or before the submission date the fine starts calculating for the book as usual as the regular method followed in the library. An alert message will be sent to the student about the fine calculation.

Keywords: College Library, Students, Faculty, Admin.

1. INTRODUCTION

Book-Kart is the web based android application developed to display the information about available books and to collect them without any delay. The available system will scan the book but it is a time taking process, so this system helps us to easily access all the books through an app and get them in a short time. The system inputs should be details like Roll Number, Name, Password, Contact, City, and Address. The data is very confidential as only that particular user can login into the system by providing the details.

The app is very handy and is mainly to reduce the time complexity for collecting the books from the library. The system consists of Admin who gets the details of particular book like book name and also the user details for issuing the book. The books are arranged according to the department and also the particular semester. This organizing will help in such a way that they can be easily added to the cart. Once we add the books into cart we can confirm the order and get the books from the library.

2. LITERATURE STUDY

The system is a web based Android application that can be easily accessed by all the educational institutions. It overcomes all the problems faced by students to collect the books from the library.

Aissatou Diallo, Liwen Liu for the Management of an academic E-Library. Here, the management of the books helps user to easily access them without time delay. The main goal is to assure all the users with the available books in the library. The system transforms all the manual work into an application with the sorted information of books into certain records.

3. RESEARCH METHODOLOGY

The Book-Kart System consists of two modules namely Admin and User. The User will have the sub-modules Student and Faculty. These modules provide easy access to the data.

4. EXISTING SYSTEM AND ITS DISADVANTAGES

The issuing of books in library system is mainly done by manually scanning the barcodes and then assigning the books to the students. So the students have to wait till the librarian assigns the book to them. They also have to search for the book in the library. It is time taking process.

5. PROPOSED SYSTEM AND ITS ADVANTAGES

Book-Kart system is an application by which a student can take the required book by pre-registering them in the website. He/she can take the book by telling the generated order id and the student can be altered by the submission date. The book-kart application saves the time.

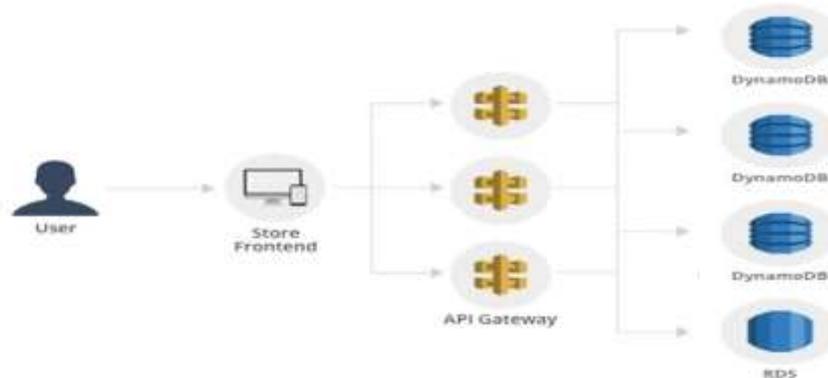
Records continuity and data access

The system provides the records of each and every individual and can be easily accessible by the student and faculty from anywhere with the help of the internet access.

Economic Feasibility

The system is economically more feasible because it is within the budget and the technologies that are used to develop this system are freely available.

6. SYSTEM ARCHITECTURE



Architecture of Book-Kart

7. MODULES EXPLANATION

Admin

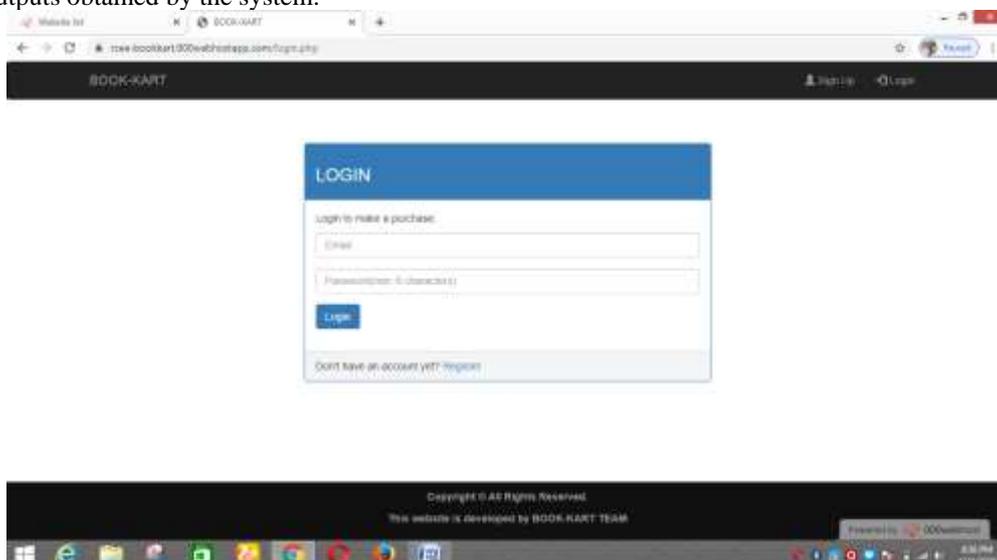
Admin is mainly responsible for updating the books information and also to provide the books to the individual. The books information is of book name, author, edition and also the image of the book. The admin will get the student information and also the order id in his dashboard. So he can easily handover the book to the student by verifying the id that is generated. The admin can add, delete and also update the books information.

User

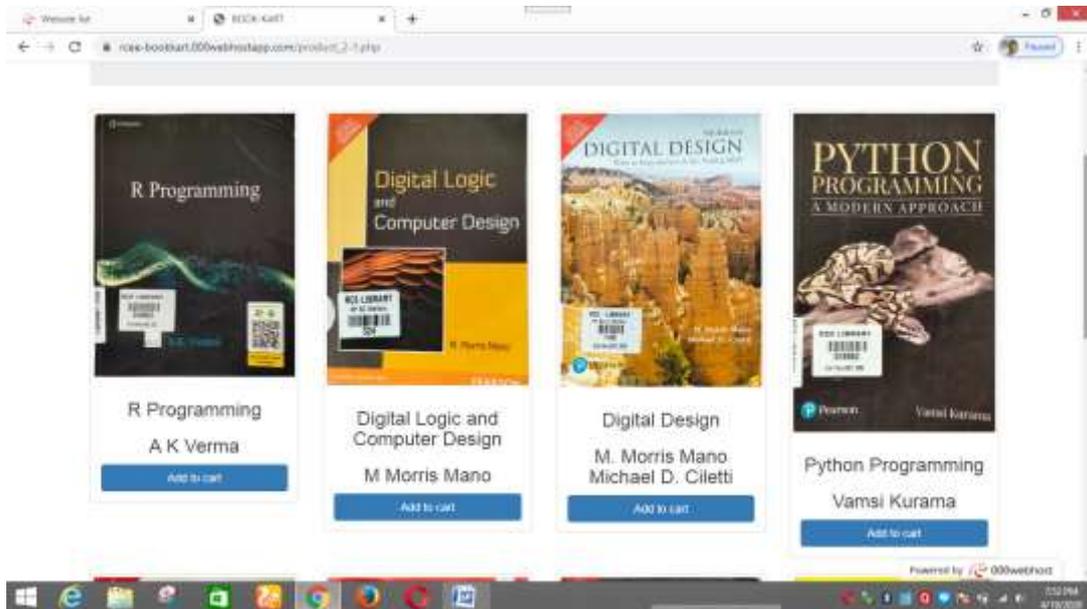
The users are mainly faculty and students who can be able to make any changes in their personal information. They have to first register/signup into the system to browse the books. After registering the user will have the login details for logging into the system and get access through the books according to their required department and also to the particular semester. The books that are needed are added to the cart and can be confirmed. An id will be generated after confirming and this id can be used by the user to collect the books from the library.

8. IMPLEMENTATIONS AND SAMPLE RESULTS

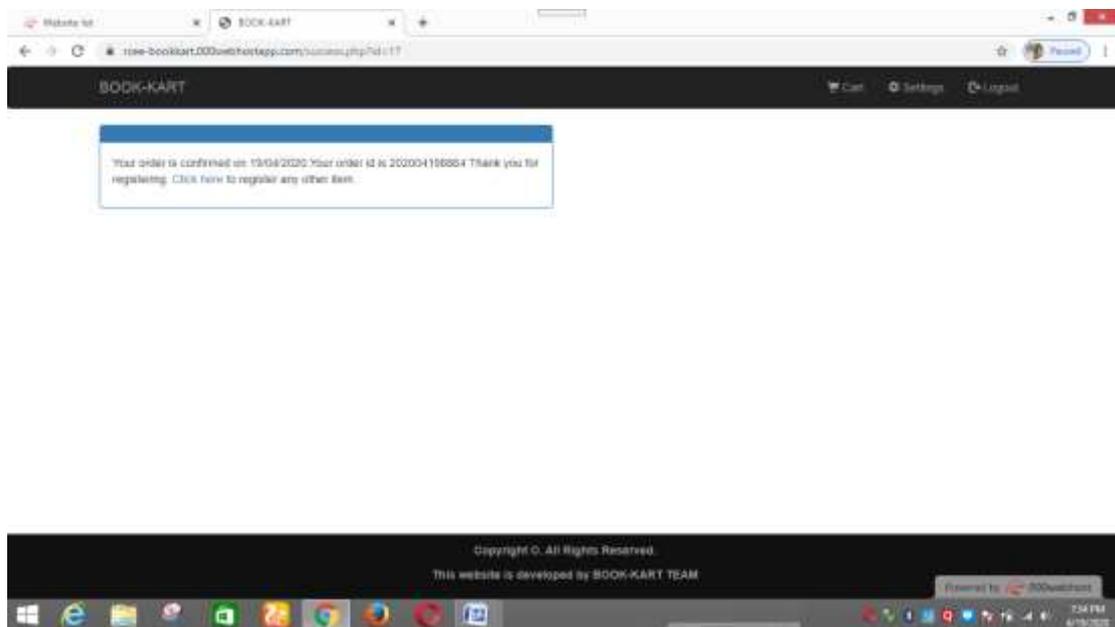
The Book-Kart system was designed by using HTML and CSS while PHP and XAMPP server at backend. Code is written for displaying of the books and to register them by each user by giving some details. This system is tested across various inputs and following is the outputs obtained by the system.



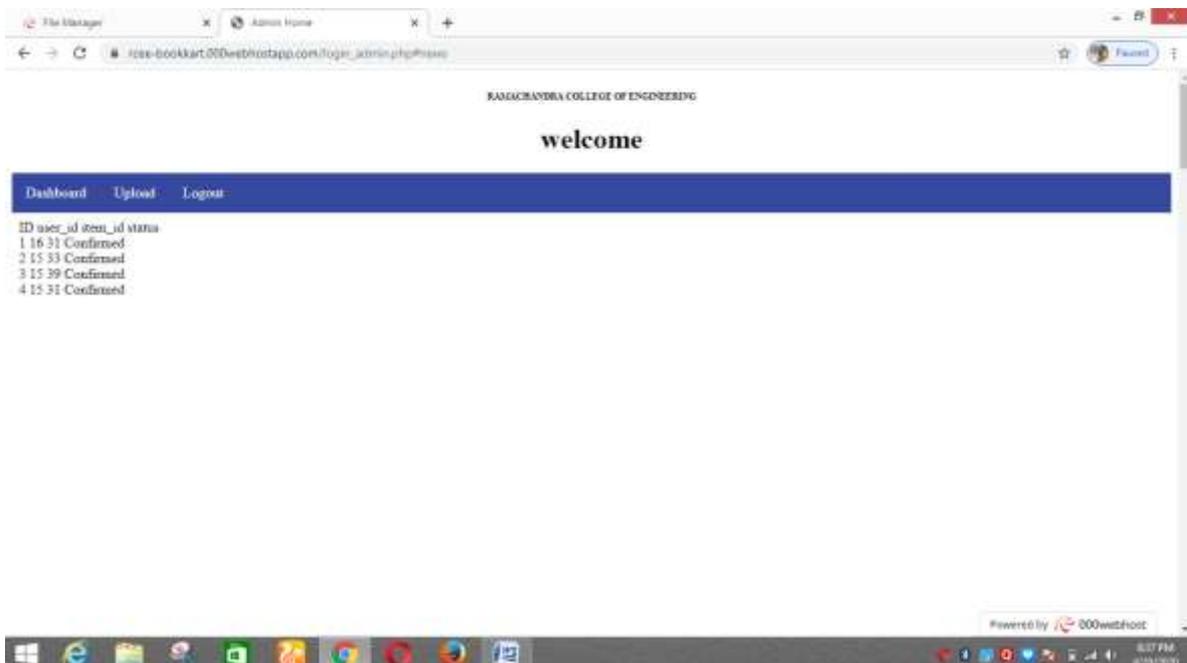
Login page



Books view



Confirmation and generation of Id



Admin page

9. CONCLUSION

By taking all the details, the conclusion is that Book-Kart is the modern system that can be used by the institutions. It helps to store all the student and faculty information along with the book details. The student need not search for the book in the library and waste a lot of time. Instead the user can view all the sorted books and can register and also collect the easily. So the system minimizes the time and work burden of the librarian.

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