**DEVELOPMENT OF WEB APPLICATION FOR SECOND HAND BOOK RESERVATION SYSTEM**

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**PROJECT GUIDE:**

**ABSTRACT**

Nowadays, there are many ways in which we can increase the reusability of any things. Similarly, To establish the contacts between students in an organization and to increase the reusability of the materials and books, a web application is developed with various features of buying and selling used books. Even though many seniors wishes to help their juniors with their materials and guiding, there is no platform available for them to achieve this. To overcome this, a open source platform is developed. In this platform, any students can register with their register number and then login with their passwords. After that they are provided with various options like sell books, buy books and so on. Different searching methods are provided so as to easily fetch the book which the user is searching. One can post n number of books with their login. A student can reserve the book of some others if it is not already booked and can check their orders in my orders tab. My orders tab provide details about the order they have made. Once the student booked the book, the status of the book will get updated correspondingly. Then, the owner of the book can login and check for their book request in request pending tab. Similar to order tab, it retrieves data from order table and shows the status of the posted books. The owner can either accept or reject the request on their wish. If the owner accepts, the details about the owner such as name, phone number, register number will be displayed to the requested student. The user is provided with two options of buying books. One, they can simply reserve the book and wait for owner response. Other is to make online payment or fund transfer to the owner account so that the book is guaranteed. To achieve all these, derby database is used with books, students and orders as a 3 major tables. And further it can be enhanced with collage events, job fairs and so on.

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