



FINAL YEAR PROJECT REPORT
BOOK EXCHANGE SYSTEM

In fulfillment of the requirement
For degree of
BS (COMPUTER SCIENCES)

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DECLARATION

We hereby declare that this project report is based on our original work except for citations and quotations which have been duly acknowledged. We also declare that it has not been previously and concurrently submitted for any other degree or award at Bahria University or other institutions.

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BOOK EXCHNAGE SYSTEM

VIVLIO

ABSTRACT

The project "Vivlio – An Mobile Application for Book Exchange System" is developed by using React Native. The aim of this project was to provide the use of application and technologies together by developing a mobile application which made use of both. The specific function of this application was to allow a Bahria University students and staff to share books related to desired field or interest from their fellows easily. They can quickly get the book at minimum cost and can fetch from the designated counter or anywhere to their ease. It also provide the platform to sell books. Multiple payment methods will be provided for conveniences.

A separate list for the selling and renting list will be provided. A proper admin panel monitoring for renting and selling books with history of rented and available books will be provided. It will also have a rating system for the books, which will be based from 0 to 5 star based on rating done by the buyer and the renter. Any query of the user will be handled by the admin by using the reporting system. Anything related to the application will be handled by the admin from the user side. To make this application user friendly we have also used the request option through which when a user find the book of their choice they can request the seller or rental, and seller has an option to accept or to request.

This report will contain a detailed techniques, methodology and methods used in the development of this mobile application and web application (admin panel). It can be used in smartphones using the Android and Apple IOS as the operating system. We have used react native for the development of mobile application frontend. React js for partial backend and laravel for backend. Database is based on the PhpMyadmin. Server has been purchased from cloud ways.

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