**BSc computer science – MAIN PROJECT TOPIC SUBMISSION**

**Project Details:**

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| Project Topic Name: | BOOK RENTAL |
| Type of Project(DB/SYSTEM): | Database system |
| Front End: | Python-Django |
| Back End: | SQLite |
| Platform: | Pycharm |
| Project Center Name: | Kites Softwares PVT. LTD. |
| Project Center Address: | Joson Plaza, Pipeline Road, Palarivattom, Cochin-25 |
| Project Center Contact No: | 9633377728 |
| Topic Submission Date: | 05/01/2022 |

**Student Detail:**

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**Date: 05/01/2021**

**SYNOPSIS**

Project Name: BOOK RENTAL

Front End: Python-Django

Back End: SQLite

**Introduction**

The goal of book rental system is to help people access books through an online medium. Its usage rose to prominence during pandemic and helped people out of boredom while under lockdown. The system allows people to read books for a period of time by paying rent. User can extend their date to keep books by contacting the admin through a personal chat system. When user registers any sort of complaint, they receive a notification through email. The system also enables users to rate contents in the website. It also allows user-user service between two different users, enabling users to upload their own e-contents. Multiple users can access the same book at the same time. The registered users will get notified when a new book is added to the website. The users are notified before their expiry date and can extend the date instead of paying the rent again. The proposed system is completely integrated online and the users are required to register in order to access every facility.

**USERS:**

* **ADMIN**
* **USER**

ADMIN: Admin who is monitoring the whole system. Admin can see all users who registered on the system. Admin have the power to delete them. Moreover admin can see books details and who posted it.

USERS: User can create account in this website through registration. After that they can post book details if they want so. They can post the image of the book and full details of the book. The book will be digital book hence no need to delivery it. So the user can see it, if they want to rent the book, they must pay the rent fee to the owner who post the book. After paying the book rent, they can view the book however they cannot download it. Because there is no option for downloading. After the rent period, the user cannot see the book. If the user wants to see it before vanishing, the user must pay the fee of how much days the user want to see it.

MODULES:

1. ADMIN
2. COMMUNICATION SYSTEM
3. USER MANAGEMENT
4. BOOK MANAGEMENT
5. FEEDBACK AND RATING

ADMIN

The admin can delete user if there any fraud activities occurs. Admin can allot type of book should be post on the website.

COMMUNICATION SYSTEM

The users can communicate each other for book renting queries.

USER MANAGEMENT

The data of users are managed by admin hence admin can view the details of the users and what they are doing in the website.

BOOK MANAGEMENT

The book has been posted on the website is to be managed hence the book can be seen in their allocated directory. The details of the book, photo of the book, period of time for rent fee, these all thing has to be managed.

FEEDBACK AND RATING

The user can give feedback about the book and can give rating to the user.

**SYSTEM SPECIFICATION**

Hardware and software requirements for the installation and smooth functioning of this project could be configured based on the requirements needed by the component of the operating environment that works as front-end system here we suggest minimum configuration for the both hardware and software components.

Working off with this software is requirements concrete on system environments. It includes two phases

* Hardware requirements
* Software requirements

**HARDWARE REQUIREMENTS**

* + INPUT DEVICE : MOUSE,KEYBOARD
  + OUTPUT DEVICE : MONITOR
  + MEMORY : 512 MB RAM(MINIMUM)
  + PROCESSOR : intel CORE i3 PROCESSOR

**SOFTWARE REQUIREMENTS**

* + OPERATING SYSTEM :WINDOWS 8-10 for better performance
  + FRONT END : Python-Django
  + BACK END :SQLite
  + SOFTWARES USED : Pycharm
  + WEB BROWSER :InternetExplorer/GoogleChrome/firefox(for web application)