MINI PROJECT

(2020-2021)

BOOKWALA

(Web Development)

SYNOPSIS

Department of Computer Engineering & Applications

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ACKNOWLEDGEMENT

It gives us a great sense of pleasure to present the synopsis of B.Tech Mini Project **(BOOKWALA)** undertaken during B.Tech IIIrd Year. This project in itself is going to be an acknowledgement to the inspiration, drive and technical assistance that has motivated individuals like us.

We owe special debt of gratitude to **Mr. Akash Kumar Choudhary, Technical Trainer,** Department of CEA, for providing us with an encouraging platform to develop this project, which thus helped us in shaping our abilities towards a constructive goal and for his constant support and guidance to our work. His sincerity, thoroughness and perseverance is been a constant source of inspiration for us. We believe that he will shower us with all his extensively experienced ideas and insightful comments at different stages of the project & also guide us about the latest industry-oriented technologies.

We would also like to acknowledge the contribution of all faculty members of the department for their kind guidance and co-operation.

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BOOKWALA
(Web Development)

The project BOOKWALA refers to a gateway where users rent books through our website. It is a social network that renders valuable resources and support to organizations/clubs in your college premises.

The site is a perfect aid to create alliances with people interested in reading book. Imagine having the latest titles and the best classic delivered right to your door. No more trips to the library only to find out the items you want are already checked out. No more costly trips to the local bookstore.

BOOKWALA allows people to borrow books at reasonable price, and it is fair medium for people who are still books addicts and avoid using pdfs on their or laptops.

• There are following users: Students, People under an Organization/Club, Guest
• Students who are accessing this website to lent out their books.
• People who are interested in borrowing books of their choices.
• Students can also receive feedback and ratings on their respective books.

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PROJECT ANALYSIS:

Introduction

1.1 Overview

- Software and Hardware Requirements, corresponding DFD's, UML have been organized in this report. Along with these designs, this report also contains the essential data of this project.
- The complete description of the website followed by the functionalities has been listed initially. Later on, the Webpage has been described diagrammatically with the help of different designing tools like Data Flow Diagram, Use Case Diagram, Interaction Diagram and E-R Diagram.

1.2 Motivation

In the modern era, where everything is being done with just a few clicks, it becomes quite necessary to give college students a platform where they can enhance their expertise by connecting to the organizations/clubs of their own college. This network provide ease by giving door-door rental service with in a short span of time.

1.3 Idea Behind This Project

While studying in a college, we realized that there are people who wish to buy books but cant afford it and end up using pdfs on their mobile phones which is not healthy . This platform provides books of all genre related to technologies, novels etc. at your door step in short span of time.

1.4 **Objective**

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REQUIREMENT ANALYSIS

HARDWARE REQUIREMENT (MINIMUM)

- 2 GB RAM
- Dual Core Processor
- Internet Connections
- Storage Devices for Backup

SOFTWARE REQUIREMENT-

- **SYSTEM SOFTWARE**
    - Operating System (Windows , Linux)

- **APPLICATION SOFTWARE**
    - **Programming Language:** JavaScript
    - **Tools:** Visual Studio Code Editor
    - **Front-End:**
        - ❖ HTML5
        - ❖ CSS3
        - ❖ Bootstrap
    - **Back-End:**
        - ❖ Node JS (Mongo DB , Express JS)
        - ❖ Cloudinary

TECHNOLOGY USED

HTML5: It is used for giving eye catching look to the website and also provides easy to use GUI.

CSS3: CSS is known as Cascading Style Sheet which is used to give designer look to HTML using the external file.

JavaScript: JavaScript is used for client-side scripting which can help in using validation on the website and many more other functions.

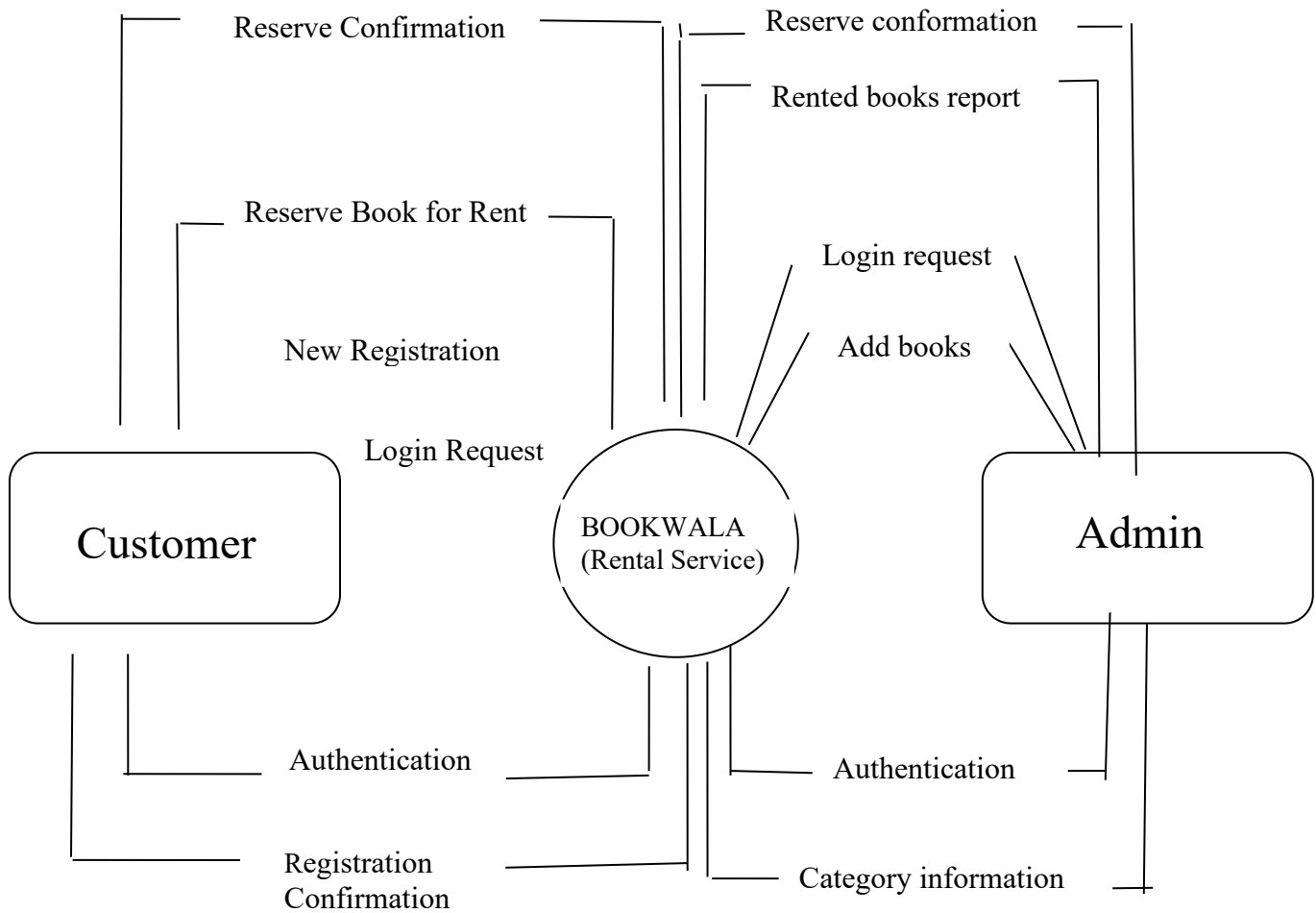**Bootstrap:** It is framework that helps in building websites faster and easier.

Mongo DB: It is a document oriented NoSQL database used for high volume data storage.

Express JS: It allows to set up middleware to respond to HTTP requests.

Node JS: It is an open source, cross-platform runtime environment for developing server-side and networking applications.

Cloudinary: It is an end-to-end image and video management solution for websites and applications.

DFD DIAGRAM

Reserve Confirmation

Reserve conformation

Rented books report

Reserve Book for Rent

Login request

New Registration

Add books

Login Request

Customer

BOOKWALA
(Rental Service)

Admin

Authentication

Authentication

Registration
Confirmation

Category information

Module Description

1. BOOKS MANAGEMENT MODULE: Used for managing the books details.
2. USER MODULE: Used for managing the user of the system(lender).
3. COSTUMER MODULE:Used for managing the costumer details.

AVAILABILTY

This website is designed to be used among students, faculties within college premises to lent and borrow books at door step service. This is smart way of sharing resources at reasonable price in short time.

FUTURE SCOPE

As we move towards the mid-21st century, it's indisputable that web design is going to become increasingly important. As people live more and more of their studies online, digital user experiences will be the rock on which almost every big organisation is built.

In future, we will try to cover all the states and cities till now we have covered it at very small scale.We will also introduce new features such as Author videos and his reviews so that users can get more satisfaction about his deal.

References:

- www.udemy.com
- www.w3school.com
- www.tutorialspoint.com
- www.youtube.com

Book References-

- **Learning JS, CSS & HTML5 by Robin Nixon**

Faculty Mentor-

- **Mr Akash Kumar Choudhary**