

LIBRARY MANAGEMENT SYSTEM

LIBRARY MANAGEMENT SYSTEM

PROJECT DOCUMENT

KUPPUSAMY V

LIBRARY MANAGEMENT SYSTEM

PROBLEM STATEMENT

The "Library Management System" is a web-based application designed to streamline the management of library operations. This system aims to manage book inventory, track borrowing and returns, maintain records of library users, and facilitate an efficient process for users to find and borrow books. The primary goal is to enhance user experience, improve resource management, and provide valuable insights into library usage.

PROJECT FUNCTIONALITIES

- Users can register and log in to the system to access library services.
- Admins and librarians can add, update, and remove book records.
- Users can search for books by title, author, genre, or ISBN and browse available books.
- Users can borrow books, and the system tracks the borrowing details and due dates.
- Users can return borrowed books, and the system updates the book's status and records the return details.
- The system calculates fines for overdue books and allows users to view and pay their fines.
- The system sends reminders for due dates, notifications for overdue books, and alerts for reserved book availability.
- Users can manage their personal information, view their borrowing history, and track any outstanding fines.
- Admins can access a dashboard with real-time metrics on library usage, book availability, and user activity, along with the ability to generate reports.

LIBRARY MANAGEMENT SYSTEM

USER IDENTIFIED

- An Administrator is responsible for overseeing the overall management and functionality of the library system.
- Librarian supports daily library operations, assisting users and maintaining the book inventory.
- The User is the primary beneficiary of the library services, utilizing the system to access and manage library resources.

MODULES IDENTIFIED

- User Authentication and Registration Module: Handles user authentication, password management, and access control based on user roles (Admin, Librarian, User).
- Book Inventory Management Module: Enables admins and librarians to add, update, categorize, and remove book records.
- Search and Browse Module: Provides users with the ability to search for books by title, author, genre, or ISBN.
- Borrowing and Returning Module: Facilitates the borrowing of books by users, recording the borrowing details and due dates. Manages the returning process, updating the book's status and inventory accordingly.
- Fine Calculation and Management Module: Calculates fines for overdue books based on the number of days overdue. Allows users to view outstanding fines and process fine payments.

LIBRARY MANAGEMENT SYSTEM

- Notification and Reminder Module: Sends notifications and reminders to users for due dates, overdue books, and availability of reserved books.
- Administrator Dashboard Module: Provides admins with real-time metrics on library usage, book availability, and user activity.
- Data Security and Privacy Module: Ensures compliance with data privacy regulations and safeguards user data.

USER ROLES IN MODULES

USER: ADMINISTRATOR \\ FIRST LEVEL PRIORITY

Book Inventory Management Module

- Add Book
- Remove Book

User Management Module

- View User Profiles
- Monitor User Activities

LIBRARY MANAGEMENT SYSTEM

Reports and Analytics Module

- Generate Reports
- Analyze User Activity

System Configuration Module

- Manage System Settings
- Configure Notifications

Data Security and Privacy Module

- Ensure Data Compliance
- Monitor Data Access

USER: LIBRARIAN \\ SECOND LEVEL PRIORITY

Book Inventory Management Module

- Assist with Book Entries
- Update Book Information

User Assistance Module

- Help with User Registration

LIBRARY MANAGEMENT SYSTEM

- Guide in Borrowing and Returning

Fine Management Module

- Calculate Fines
- Manage Fine Payments
- Update Fine Records

Notification and Reminder Module

- Send Due Date Reminders
- Alert Users on Notifications

USER: USER \\ THIRD LEVEL PRIORITY

User Authentication and Registration Module

- Register Account
- Login
- Password Management

Search and Browse Module

LIBRARY MANAGEMENT SYSTEM

- Search Books by Title
- Search Books by Author
- Search Books by Genre

Borrowing and Returning Module

- Borrow Books
- Return Books
- View Borrowing History

Fine Calculation and Management Module

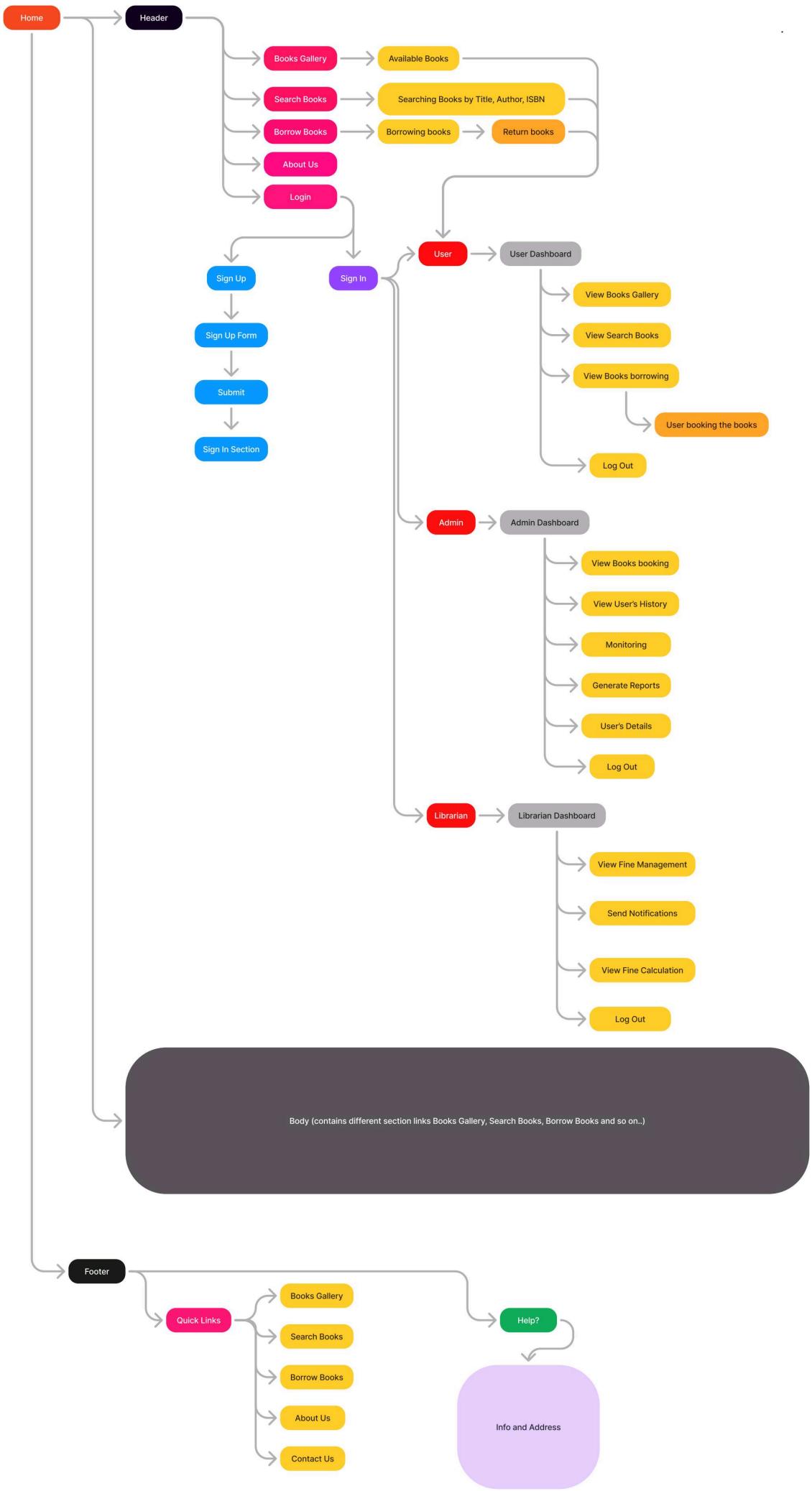
- Pay Fines
- Fine History

Notification and Reminder Module

- Due Date Reminders
- Overdue Notifications

User Account Management Module

- Update Personal Information
- Change Password



Home

Sign In

Select 1

Background Images

Select 2

User Registration

Select 3

SEARCH BOOKS

Select 4

BORROW BOOKS

Select 5

Admin

Select 6

User Profile

Select 7

Review Books

Select 8

Usage Report

Select 9

Library

Select 10

View Reservation

Select 11

Over Due Notifications

Select 12

RETURN BOOKS

LIBRARY MANAGEMENT SYSTEM

CODE:

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Library Management System</title>
    <!-- Bootstrap CSS -->
    <link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">
    <!-- Font Awesome -->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.3/css/all.min.css">
    <style>
        body {
            background-color: #ffff; /* Body color */
        }
        header {
            background-color: #810000; /* Header color */
            position: fixed;
            top: 0;
            width: 100%;
            z-index: 1000;
        }
        footer {
            background-color: #810000; /* Footer color */
        }
        .footer-text {
            color: #ffff;
        }
        .nav-link {
```

LIBRARY MANAGEMENT SYSTEM

```
    color: #fff !important;
}
.nav-link:hover {
    color: #ec8f00; /* Light orange color on hover */
    background-color: #ec8f00; /* Darker red background on hover */
    border-radius: 4px; /* Optional: Rounded corners for hover effect */
}
/* Carousel Image */
.carousel-item img {
    object-fit: cover;
    width: 100%;
    height: 100vh; /* Full viewport height */
}
/* Carousel Caption */
.carousel-caption {
    bottom: 20%;
}
.carousel-caption h1,
.carousel-caption p {
    font-weight: bolder;
    color: black; /* White text color */
}
.carousel-control-prev-icon,
.carousel-control-next-icon {
    background-color: #810000; /* Dark red background */
    border-radius: 50%;
}
/* Button Color */
.btn-dark {
    background-color: #810000;
    border-color: #810000;
}
.btn-dark:hover {
    background-color: #ec8f00;
```

```
LIBRARY MANAGEMENT SYSTEM
    border-color: #660000;
}
/* About Us Section */
#about {
    background-color: #f5f5f5; /* Light grey background for contrast */
}
.about-content {
    font-weight: bolder;
    text-align: justify; /* Justify text alignment */
}
.about-carousel .carousel-inner img {
    object-fit: cover;
    max-height: 300px; /* Adjusted height */
}
/* Adjust the container size for images */
.about-carousel .carousel-item img {
    max-height: 300px; /* Adjusted height */
    object-fit: cover;
    width: 100%;
}

/* Books Gallery Section */
#books {
    background-color: #f5f5f5; /* Body color for consistency */
}
.flip-card {
background-color: transparent;
width: 100%;
height: 400px;
perspective: 1000px;
}
.flip-card-inner {
    position: relative;
```

LIBRARY MANAGEMENT SYSTEM

```
width: 100%;  
height: 100%;  
text-align: center;  
transition: transform 0.6s;  
transform-style: preserve-3d;  
box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2);  
font-weight: bolder;  
}  
  
.flip-card:hover .flip-card-inner {  
    transform: rotateY(180deg);  
}  
  
.flip-card-front, .flip-card-back {  
    position: absolute;  
    width: 100%;  
    height: 100%;  
    -webkit-backface-visibility: hidden; /* Safari */  
    backface-visibility: hidden;  
}  
  
.flip-card-front {  
    background-color: #bbb;  
    color: black;  
    display: flex;  
    align-items: center;  
    justify-content: center;  
}  
  
.flip-card-back {  
    background-color: #fff;  
    color: black;  
    transform: rotateY(180deg);  
    display: flex;
```

```

LIBRARY MANAGEMENT SYSTEM
    flex-direction: column;
    align-items: center;
    justify-content: center;
    padding: 10px;
}

/* search section */
#search {
    background-color: #f5f5f5; /* Body color for consistency */
}

</style>
</head>

<body>
    <script type="text/javascript" src="temp.js"></script>
    <header >
        <div class="container d-flex justify-content-between align-items-center">
            <div class="d-flex align-items-center">
                
                <h1 class="mb-0" style="color: black; font-weight: bolder;">V K's LIBRARY</h1>
            </div>
            <nav>
                <ul class="nav">
                    <li class="nav-item"><a href="#home" class="nav-link text-white"><i class="fas fa-home"></i>
Home</a></li>
                    <li class="nav-item"><a href="#about" class="nav-link text-white"><i class="fas fa-info-
circle"></i> About Us</a></li>
                    <li class="nav-item"><a href="#books" class="nav-link text-white"><i class="fas fa-book"></i>
Books Gallery</a></li>
                    <li class="nav-item"><a href="#search" class="nav-link text-white"><i class="fas fa-search"></i>
Search Books</a></li>
                </ul>
            </nav>
        </div>
    </header>

```

LIBRARY MANAGEMENT SYSTEM

```
<li class="nav-item"><a href="userlogin.html" class="nav-link text-white"><i class="fas fa-sign-in-alt"></i> Login</a></li>
    <li class="nav-item"><a href="search.html" class="nav-link btn btn-warning text-dark"><i class="fas fa-user-plus"></i> Sign Up</a></li>
</ul>
</nav>
</div>
</header>

<section id="home" class="py-0">
    <div class="container-fluid p-0">
        <div id="homeCarousel" class="carousel slide" data-ride="carousel">
            <div class="carousel-inner">
                <div class="carousel-item active">
                    
                </div>
                <div class="carousel-item">
                    
                </div>
                <div class="carousel-item">
                    
                </div>
            </div>
            <a class="carousel-control-prev" href="#homeCarousel" role="button" data-slide="prev">
                <span class="carousel-control-prev-icon" aria-hidden="true"></span>
                <span class="sr-only">Previous</span>
            </a>
            <a class="carousel-control-next" href="#homeCarousel" role="button" data-slide="next">
                <span class="carousel-control-next-icon" aria-hidden="true"></span>
                <span class="sr-only">Next</span>
            </a>
        </div>
        <div class="carousel-caption d-none d-md-block text-center">
            <h1 class="display-4"><i class="fas fa-book-reader"></i> WELCOME TO OUR LIBRARY</h1>
        </div>
    </div>
</section>
```

LIBRARY MANAGEMENT SYSTEM

```
<p class="lead">Manage our library efficiently with our system. Borrow, return, renew books, and more.</p>

        </div>
    </div>
</section>

<section id="about" class="py-5 bg-light">
    <div class="container">
        <h2 class="text-dark"><i class="fas fa-info-circle"></i> About Us</h2>
        <div class="row">
            <div class="col-md-6 about-content">
                <p>Welcome to V K Library And Books, your one-stop destination for an extensive collection of books across various genres and interests.</p>
                <p>From fiction to non-fiction, academic resources to leisurely reads, our collection is meticulously curated to cater to varied tastes and preferences.</p>
                <p>At V K Library And Books, we are committed to creating an inclusive environment that encourages exploration, discovery, and intellectual growth.</p>
                <p>Our staff is dedicated to providing exceptional service, assisting you in finding the perfect book, and making your visit a pleasant and enriching experience.</p>
                <p>Join us at V K Library And Books, where every book is a gateway to a new adventure, and every visit is a step towards personal and communal enlightenment.</p>
                <p>At V K Library And Books, we believe in the power of books to inspire, educate, and transform lives.</p>
            </div>
            <div class="col-md-6">
                <div id="aboutCarousel" class="carousel slide about-carousel" data-ride="carousel">
                    <div class="carousel-inner">
                        <div class="carousel-item active">
                            
                        </div>
                        <div class="carousel-item">
                            
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</section>
```

LIBRARY MANAGEMENT SYSTEM

LIBRARY MANAGEMENT SYSTEM

```
<div class="flip-card-back d-flex flex-column align-items-center">
    <h5 class="card-title">Cricket</h5>
    <p class="card-text text-center">Author: David<br>Genre: Mystery<br>Description: A mystery
that keeps you on the edge.</p>
    <a href="greyhound.html" class="btn btn-dark mt-3"><i class="fas fa-book-reader"></i>
Borrow</a>
</div>
</div>
</div>
<div class="col-md-3 mb-4">
    <div class="flip-card">
        <div class="flip-card-inner">
            <div class="flip-card-front">
                
            </div>
            <div class="flip-card-back d-flex flex-column align-items-center">
                <h5 class="card-title">Tata Groups</h5>
                <p class="card-text text-center">Author: Priya Sharma<br>Genre: Non-
Fiction<br>Description: A story that keeps you on the edge.</p>
                <a href="greyhound.html" class="btn btn-dark mt-3"><i class="fas fa-book-reader"></i>
Borrow</a>
            </div>
        </div>
    </div>
</div>
<div class="col-md-3 mb-4">
    <div class="flip-card">
        <div class="flip-card-inner">
            <div class="flip-card-front">
                
            </div>
            <div class="flip-card-back d-flex flex-column align-items-center">
                <h5 class="card-title">Grey Hound</h5>
```

LIBRARY MANAGEMENT SYSTEM

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```
<li><a href="userlogin.html" class="text-white"><i class="fas fa-sign-in-alt"></i> Login</a></li>
<li><a href="search.html" class="text-white"><i class="fas fa-user-plus"></i> Sign Up</a></li>
</ul>
</div>
<div class="col-md-4">
<h3><i class="fas fa-map-marker-alt"></i> Our Location</h3>
<div class="embed-responsive embed-responsive-16by9">
<iframe class="embed-responsive-item"
src="https://maps.google.com/maps?q=Library%20Location&t=&z=13&ie=UTF8&iwloc=&output=embed" allowfullscreen="" aria-hidden="false" tabindex="0"></iframe>
</div>
<div class="col-md-4">
<h3><i class="fas fa-share-alt"></i> Follow Us</h3>
<div class="d-flex">
<a href="#" class="btn btn-outline-light btn-lg mr-2"><i class="fab fa-facebook-f"></i></a>
<a href="#" class="btn btn-outline-light btn-lg mr-2"><i class="fab fa-twitter"></i></a>
<a href="#" class="btn btn-outline-light btn-lg mr-2"><i class="fab fa-instagram"></i></a>
<a href="#" class="btn btn-outline-light btn-lg"><i class="fab fa-linkedin-in"></i></a>
</div>
</div>
<div class="col-md-4">
<h3><i class="fas fa-envelope"></i> Contact Us</h3>
<p><i class="fas fa-envelope"></i> Email: info@library.com</p>
<p><i class="fas fa-phone"></i> Phone: +123 456 7890</p>
</div>
</div>
<hr class="bg-white">
<p class="text-center mb-0 footer-text">&copy; 2023 V K's Library. All Rights Reserved.</p>
</div>
</footer>
```

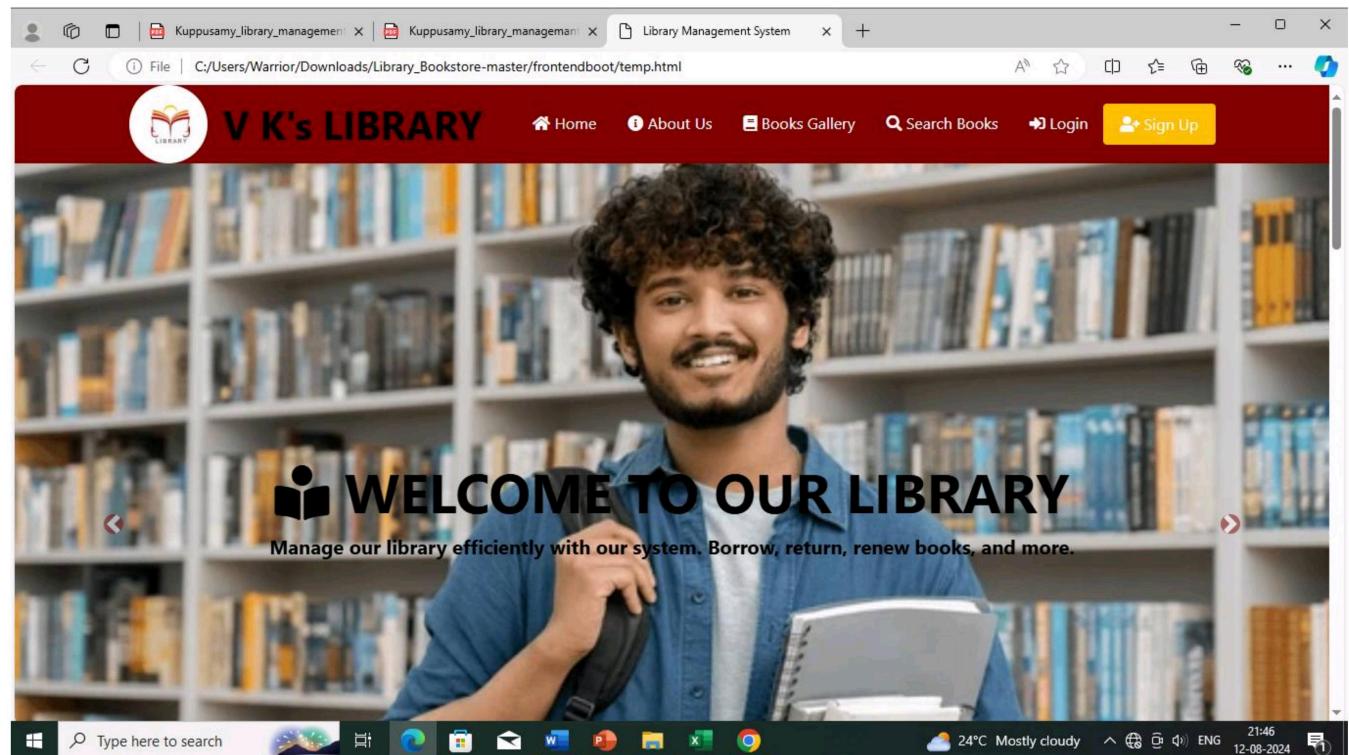
LIBRARY MANAGEMENT SYSTEM

```
<!-- Bootstrap JS and dependencies -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.3/dist/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</body>

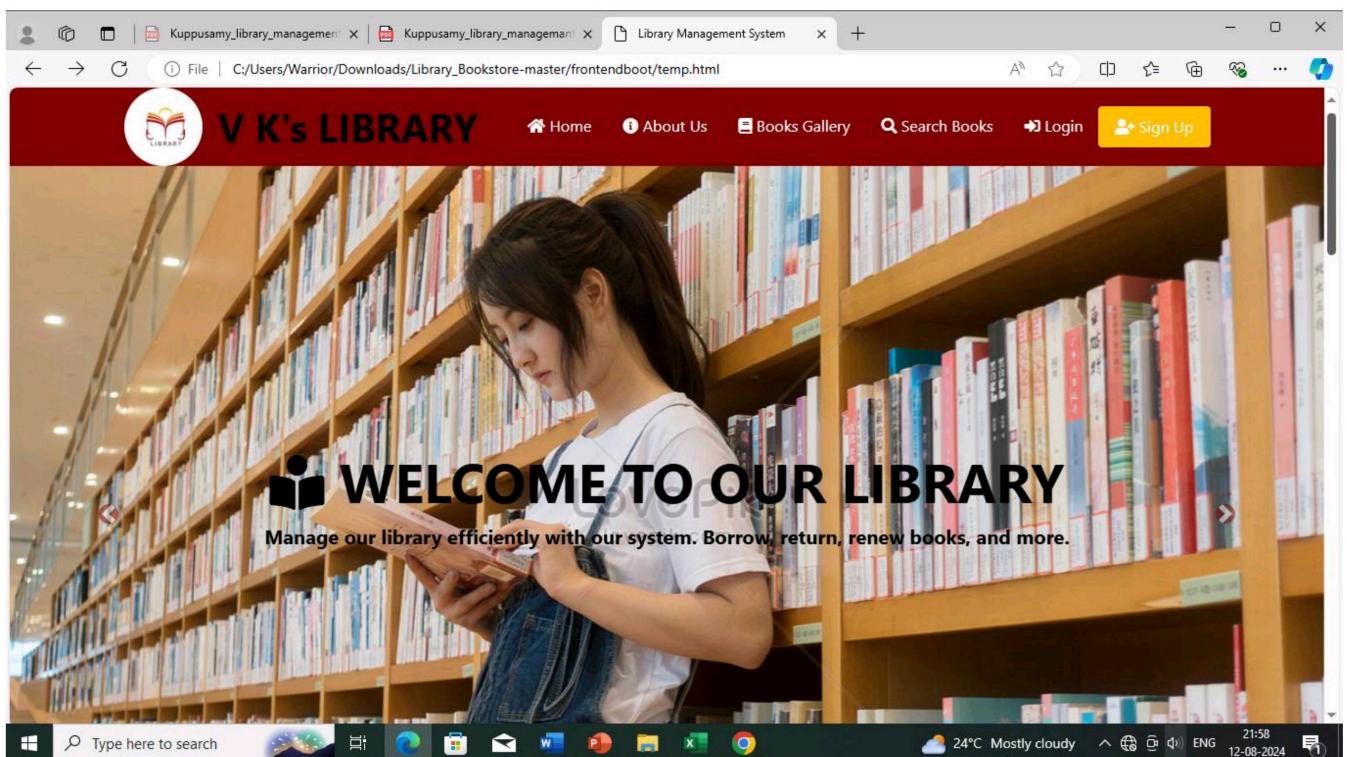
</html>
```

LIBRARY MANAGEMENT SYSTEM

SCREENSHOTS:



LIBRARY MANAGEMENT SYSTEM



LIBRARY MANAGEMENT SYSTEM

A screenshot of a Microsoft Edge browser window. The address bar shows the URL 'C:/Users/Warrior/Downloads/Library_Bookstore-master/frontendboot/temp.html'. The main content area features a red header bar with the text 'V K's LIBRARY' and a circular logo containing a stylized book icon. Below the header, there are navigation links for Home, About Us, Books Gallery, Search Books, Login, and Sign Up. The main body contains several paragraphs of text about the library's services and staff. To the right of the text is a graphic element consisting of a stylized book logo above the text 'Riverside County'.

LIBRARY MANAGEMENT SYSTEM

The screenshot shows a web browser window displaying a library management system. The title bar reads "Kuppusamy_library_management" and "Library Management System". The main content area features a red header with the logo "V K's LIBRARY". Below the header is a navigation menu with links: Home, About Us, Books Gallery, Search Books, Login, and Sign Up. The "Books Gallery" link is highlighted. Below the menu, there are four book covers displayed in a row:

- SOLAR SYSTEM** by Alexander Gordon Smith. Cover art shows various planets.
- BEN STOKES ON FIRE** by Peter Casey. Cover art shows a cricket player in action.
- THE STORY OF TATA** by Peter Casey. Cover art shows a portrait of a man.
- The Book of the GREYHOUND** by Sue LeMieux. Cover art shows a greyhound dog.

At the bottom of the screen, the Windows taskbar is visible, showing the Start button, a search bar with "Type here to search", and icons for File Explorer, Edge, Mail, Word, Excel, and Google Chrome. The system tray displays the date and time as "21:46 12-08-2024", the weather as "24°C Mostly cloudy", and network connectivity information.

LIBRARY MANAGEMENT SYSTEM

The screenshot shows a web browser window with the title "Library Management System". The address bar indicates the file path: "C:/Users/Warrior/Downloads/Library_Bookstore-master/frontendboot/temp.html". The main content area features a red header with the logo "V K's LIBRARY". Below the header is a search bar with the placeholder "Enter book title, author, o" and a "Search" button. The page is divided into several sections: "Quick Links" (Home, About Us, Books Gallery, Search Books, Login, Sign Up), "Our Location" (an emoji of a person with balloons), and "Follow Us" (links to Facebook, Twitter, Instagram, and LinkedIn). At the bottom, there is a "Contact Us" section with email and phone number information, and a footer note: "© 2023 V K's Library. All Rights Reserved." The taskbar at the bottom shows various application icons and the system clock.

Kuppusamy_library_management | Kuppusamy_library_management | Library Management System

File | C:/Users/Warrior/Downloads/Library_Bookstore-master/frontendboot/temp.html

V K's LIBRARY

Home | About Us | Books Gallery | Search Books | Login | Sign Up

Search Books

Enter book title, author, o

Search

Quick Links

- Home
- About Us
- Books Gallery
- Search Books
- Login
- Sign Up

Our Location

Follow Us

Contact Us

Email: info@library.com

Phone: +123 456 7890

© 2023 V K's Library. All Rights Reserved.

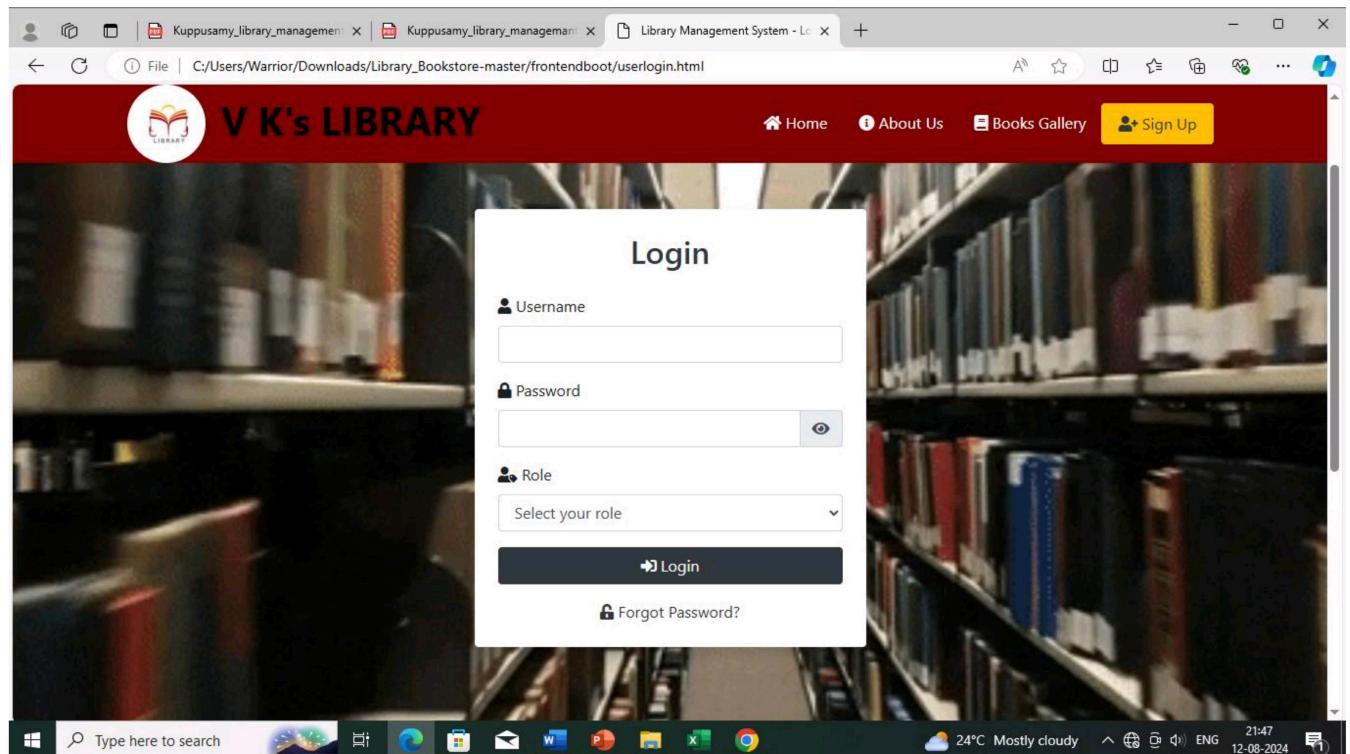
Type here to search

24°C Mostly cloudy 21:46 12-08-2024 ENG

LIBRARY MANAGEMENT SYSTEM

The screenshot shows a web browser window displaying a sign-up form for a library management system. The title bar reads "Kuppusamy_library_management" and "Library Management System - S". The address bar shows the URL "C:/Users/Warrior/Downloads/Library_Bookstore-master/frontendboot/search.html". The main content area features a red header with the text "V K's LIBRARY" and a logo of an open book with a lamp. Below the header, there is a blurred background image of bookshelves. The sign-up form is titled "Sign Up" and includes four input fields: "Full Name", "Email", "Username", and "Password". Each field has a corresponding icon (person, envelope, user, lock) and a placeholder text. A "Sign Up" button with a person icon is located below the fields. At the bottom of the form, there is a link "Already have an account? [Login here](#)". The browser interface includes standard navigation buttons (back, forward, search, etc.) and a toolbar at the top. The taskbar at the bottom shows various pinned icons and the date/time "12-08-2024 21:47".

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The screenshot shows a web browser window with the following details:

- Address Bar:** Shows the URL `C:/Users/Warrior/Downloads/Library_Bookstore-master/frontendboot/forgot.html`.
- Header:** A red navigation bar with the text "V K's LIBRARY" and a circular logo containing a stylized book icon.
- Menu:** Includes links for "Home", "About Us", "Books Gallery", and "Sign Up".
- Content:** A "Forgot Password" form with the following fields:
 - Username: "Enter your username"
 - Email address: "Enter your email"
 - New Password: "Enter new password" with a visibility toggle icon.
 - Confirm Password: "Confirm new password" with a visibility toggle icon.
- Buttons:** "Reset Password" (dark blue button) and "Back to Login" (light blue button).
- Background:** A blurred image of bookshelves filled with books.
- Taskbar:** Shows the Windows Start button, a search bar with "Type here to search", and various pinned application icons (File Explorer, Edge, Mail, etc.).
- System Tray:** Displays weather (24°C Mostly cloudy), battery status, network connection, language (ENG), date (12-08-2024), and a clock (21:47).

LIBRARY MANAGEMENT SYSTEM

The screenshot shows a user dashboard for "V K's LIBRARY". The top navigation bar includes tabs for "User Dashboard" and "Profile". The "Profile" tab is active, showing the user's name (Kashmira Pardeshi), email (kashmira@example.com), and member since date (January 2020). Below the profile, the "Borrowed Books" section lists a single book: "The Great Gatsby" by F. Scott Fitzgerald, due back on 2024-08-15. There are "Renew" and "Return" buttons for this book. The "My Books" section also lists "The Great Gatsby" with the same details. The left sidebar provides links to "Profile", "Borrowed Books", "My Books", and "Notifications", along with a "Logout" button. The bottom taskbar shows the Windows Start button, a search bar, and various system icons.

User Dashboard

Profile

Name: Kashmira Pardeshi
Email: kashmira@example.com
Member Since: January 2020

Borrowed Books

+ Borrow Book

Book ID	Title	Author	Genre	Due Date	Actions
1	The Great Gatsby	F. Scott Fitzgerald	Fiction	2024-08-15	Renew Return

My Books

Book ID	Title	Author	Genre	Status
1	The Great Gatsby	F. Scott Fitzgerald	Fiction	Read

Type here to search

LIBRARY MANAGEMENT SYSTEM

The screenshot displays the User Dashboard of a Library Management System. The header features a logo of a book with wings and the text "V K's LIBRARY". The dashboard is divided into several sections:

- User Dashboard**: A sidebar on the left containing links for Profile, Borrowed Books, My Books, and Notifications, along with a Logout button.
- Borrowed Books**: A table showing a single entry: Book ID 1, Title "The Great Gatsby", Author "F. Scott Fitzgerald", Genre "Fiction", Due Date "2024-08-15". Actions include "Renew" and "Return".
- My Books**: A table showing a single entry: Book ID 1, Title "The Great Gatsby", Author "F. Scott Fitzgerald", Genre "Fiction", Status "Read".
- Notifications**: A table showing a single entry: Notification ID 1, Title "Reminder", Message "'The Great Gatsby' is due on 2024-08-15.", Date "2024-08-08". Actions include "Send Notification" and "View Notifications".

The bottom of the screen shows a Windows taskbar with various icons and a weather widget indicating 24°C, Mostly cloudy.

LIBRARY MANAGEMENT SYSTEM

The screenshot shows a web browser window with the title "Library Management System - Skooldio". The address bar displays the URL "C:/Users/Warrior/Downloads/Library_Bookstore-master/frontendboot/borrow.html". The page itself is titled "V K's LIBRARY" and features a "Borrow Book" form. The form includes fields for Book ID, Book Title, Username, Borrow Date, and Return Date, each with a corresponding icon. A "Borrow" button with a thumbs-up icon is at the bottom. The browser interface includes standard navigation buttons, a search bar, and a taskbar at the bottom with various application icons.

V K's LIBRARY

Borrow Book

Book ID
Enter Book ID

Book Title
Enter Book Title

Username
Enter Username

Borrow Date
dd-mm-yyyy

Return Date
dd-mm-yyyy

Borrow

LIBRARY MANAGEMENT SYSTEM

The screenshot shows a web browser window titled "Library Management System - S" with the URL "C:/Users/Warrior/Downloads/Library_Bookstore-master/frontendboot/borrow.html". The main page has a dark header with "V K's LIBRARIES" and a circular logo. Below it, there's a form for borrowing books, with fields for Book ID, Book Title, Username, Borrow Date, and Return Date. A modal window titled "Success" is displayed, stating "Your book has been successfully borrowed!" and listing the details: Book ID: cricket, Book Title: ben stokes, Username: kashmira, Borrow Date: 2024-08-13, and Return Date: 2024-09-13. At the bottom of the modal are "Close" and "View Borrowed Books" buttons. The taskbar at the bottom shows various application icons and the system tray with weather information (24°C Mostly cloudy), date (12-08-2024), and time (21:49).

LIBRARY MANAGEMENT SYSTEM



LIBRARY MANAGEMENT SYSTEM

The screenshot shows a web-based library management system. At the top, a red header bar displays the logo "V K's LIBRARY" and the title "Librarian Dashboard". Below the header, the main content area is divided into several sections:

- Book Management:** A table showing a single record: Book ID 1, Title "The Great Gatsby", Author "F. Scott Fitzgerald", Genre "Fiction". Actions: View (yellow), Update (blue), Delete (red).
- User Assistance:** A table showing one user: User ID 1, Name "Jane Doe", Email "janedoe@example.com", Role "Member". Actions: View (yellow), Update (blue), Delete (red). A blue button "Register User" is visible.
- Fine Management:** A section with a blue button "Calculate Fine".
- Outstanding Fines:** A section showing a list of fines.

On the left side, a sidebar titled "Librarian Profile" lists navigation options: Book Management, User Assistance, Fine Management, and a "Logout" button. The bottom of the screen shows a Windows taskbar with various icons and a weather widget indicating 24°C, Mostly cloudy.

LIBRARY MANAGEMENT SYSTEM

The screenshot shows a web browser window titled "Librarian Dashboard" with the URL "C:/Users/Warrior/Downloads/Library_Bookstore-master/frontendboot/librariandashboard.html". The main dashboard has a dark theme with a header "V K's LIBRARIES" and a sidebar on the left labeled "Librarian Profile" containing links for Book Management, User Assistance, and Fine Management, along with a "Logout" button. A central "Actions" section displays tables for "Books" and "Users" with "View", "Update", and "Delete" buttons. Overlaid on the center is a modal window titled "Add Book" with fields for Title, Author, and Genre, and a "Book ID" dropdown set to 1. At the bottom of the modal is a blue "Add Book" button. Below the modal, sections for "Fine Management" (with a "Calculate Fine" button) and "Outstanding Fines" are visible. The taskbar at the bottom shows various application icons and the system tray with weather information (24°C Mostly cloudy), date (12-08-2024), and time (21:51).

LIBRARY MANAGEMENT SYSTEM

The screenshot shows a web-based library management system. At the top, there's a navigation bar with tabs for 'File' and the current page, 'Librarian Dashboard'. Below the header is a logo for 'V K's LIBRARY' featuring a circular icon with a book and a person. On the left, a sidebar titled 'Librarian Profile' includes links for 'Book Management', 'User Assistance', 'Fine Management', and a 'Logout' button. The main content area is titled 'Librarian Dashboard' and contains several sections: 'Delete Book' (a modal window asking if you want to delete 'The Great Gatsby'), 'Book Management' (a table with one row showing 'The Great Gatsby' by F. Scott Fitzgerald), 'User Assistance' (a table with one row for 'Jane Doe'), 'Fine Management' (with a 'Calculate Fine' button), and 'Outstanding Fines' (an empty section). The bottom of the screen shows a Windows taskbar with various icons and system status information.

Delete Book

Are you sure you want to delete **The Great Gatsby**?

Actions

Book ID	Name	Author	Type	Actions
1	The Great Gatsby	F. Scott Fitzgerald	Fiction	View Update Delete

User Assistance

User ID	Name	Email	Role	Actions
1	Jane Doe	janedoe@example.com	Member	View Update Delete

Fine Management

Calculate Fine

Outstanding Fines

Windows Taskbar:

- Type here to search
- Cloud icon
- File Explorer icon
- Mail icon
- Word icon
- Powerpoint icon
- Excel icon
- Google Chrome icon
- System tray: 24°C Mostly cloudy, ENG, 12-08-2024, 21:51

LIBRARY MANAGEMENT SYSTEM

The screenshot shows a web-based library management system interface. At the top, there are two browser tabs: 'Kuppusamy_library_management' and 'Librarian Dashboard'. The main content area has a dark header with the text 'V K's LIBRARY' and a circular logo containing a book icon.

Librarian Profile: On the left, a sidebar includes links for 'Book Management', 'User Assistance', and 'Fine Management', along with a 'Logout' button.

User Management: A modal window titled 'Update User' is open, showing fields for 'Name' (Jane Doe), 'Email' (janedoe@example.com), and 'Role' (Member). Below the modal is a 'Save changes' button.

Fine Management: A table titled 'Outstanding Fines' lists one item: User ID 1, Name Mark Smith, Amount Due \$10.00, and Status Unpaid. Actions for 'View' and 'Manage' are available for this entry.

Librarian Dashboard: The main dashboard features a 'Register User' button and three action buttons: 'View', 'Update', and 'Delete'.

System Status: The taskbar at the bottom shows the Windows Start button, a search bar with 'Type here to search', and various pinned application icons. The system tray displays the date (12-08-2024), time (21:52), weather (24°C Mostly cloudy), and language (ENG).

LIBRARY MANAGEMENT SYSTEM

The screenshot shows a web-based library management system. At the top, there's a navigation bar with tabs for 'File' and the current page 'Librarian Dashboard'. Below the header, the main interface is divided into several sections:

- Librarian Profile:** Includes links for 'Book Management', 'User Assistance', and 'Fine Management', and a 'Logout' button.
- Calculate Fine:** A modal window with a title 'Calculate Fine'. It has a text input field labeled 'Amount' with placeholder 'Enter amount' and a blue 'Calculate Fine' button.
- Librarian Dashboard:** A dark panel with a 'Register User' button.
- Fine Management:** A section with a 'Calculate Fine' button and a table titled 'Outstanding Fines'.
- Outstanding Fines Table:** A table with columns 'User ID', 'Name', 'Amount Due', and 'Status'. One row is shown for 'Mark Smith' with '\$10.00' due and 'Unpaid' status. Actions like 'View' and 'Manage' are available for each row.
- Footer:** Shows the Windows taskbar with various pinned icons (File Explorer, Edge, Mail, etc.) and system status information (24°C, Mostly cloudy, 21:52, 12-08-2024).

LIBRARY MANAGEMENT SYSTEM

The screenshot shows a web-based library management system. At the top, there are two tabs: "Kuppusamy_library_management" and "Librarian Dashboard". The main title "V K's LIBRAR" is visible on the left. On the left sidebar, under "Librarian Profile", are links for Book Management, User Assistance, and Fine Management, along with a "Logout" button. The "Fine Management" link is highlighted. The central area features a modal window titled "Add Fine" with fields for "User ID" (placeholder: Enter user ID), "Fine Amount" (placeholder: Enter fine amount), and "Fine Status" (dropdown menu). Below the modal is a table titled "Outstanding Fines" with columns: User ID, Name, Amount Due, Status, and Actions. One row is shown: User ID 1, Name Mark Smith, Amount Due \$10.00, Status Unpaid, Actions (View, Manage). At the bottom, the Windows taskbar shows the search bar, pinned icons for File Explorer, Edge, Mail, Word, Excel, and Google Chrome, and system status including weather (24°C Mostly cloudy), date (12-08-2024), and time (21:52).

User ID	Name	Amount Due	Status	Actions
1	Mark Smith	\$10.00	Unpaid	<button>View</button> <button>Manage</button>

LIBRARY MANAGEMENT SYSTEM

The screenshot shows a web-based library management system. At the top, there's a navigation bar with tabs for 'Kuppusamy_library_management' and 'Librarian Dashboard'. Below the header, the main interface includes a 'Librarian Profile' sidebar with links for Book Management, User Assistance, and Fine Management, and a 'Logout' button. The main content area features a 'Manage Fine' modal window. This modal has fields for 'Fine Amount' (with placeholder 'Enter fine amount') and 'Fine Status' (with placeholder 'Select Status'). It also contains two buttons: 'Update Fine' (blue) and 'Delete Fine' (red). In the background, there's a 'Fine Management' section with a 'Calculate Fine' button and an 'Outstanding Fines' table. The table has columns for User ID, Name, Amount Due, and Status. One row is shown for 'Mark Smith' with a due amount of '\$10.00' and 'Unpaid' status. Actions like 'View' and 'Manage' are available for this entry. At the bottom of the screen, a Windows taskbar displays various icons and the system tray.

User ID	Name	Amount Due	Status	Actions
1	Mark Smith	\$10.00	Unpaid	View Manage

LIBRARY MANAGEMENT SYSTEM

The screenshot shows the Admin Dashboard of the Library Management System. The interface is divided into several sections:

- Header:** A red header bar with the title "V K's LIBRARY" and "Admin Dashboard".
- Left Sidebar:** An "Admin Profile" section featuring a user icon and a "Logout" button.
- Books Section:** A table titled "Books" showing one entry:

Book ID	Title	Author	Genre	Actions
1	The Great Gatsby	F. Scott Fitzgerald	Fiction	<button>View</button> <button>Update</button> <button>Delete</button>
- User Management Section:** A table titled "User Management" showing one entry:

User ID	Name	Email	Role	Actions
1	John Doe	johndoe@example.com	Librarian	<button>View</button> <button>Update</button> <button>Delete</button>
- Reports Section:** A table titled "Reports" showing one entry: "Monthly Summary".

The dashboard is set against a dark background with red and blue accents. The bottom of the screen shows a Windows taskbar with various icons and system status information.

LIBRARY MANAGEMENT SYSTEM

The screenshot displays the Admin Dashboard of a Library Management System. The interface has a dark theme with red and blue highlights.

Yearly Summary (2023-2024):

- Total Books Issued: 1800
- Total Books Returned: 1750
- New Users Registered: 240
- Total Fines Collected: \$3600

Notifications:

- Book 'The Great Gatsby' is overdue. (Overdue)
- New user 'Jane Doe' registered. (New)
- Monthly report for July 2024 is ready. (Report)

Taskbar:

- Type here to search
- Windows Start button
- Icons for various applications: File Explorer, Edge, Mail, Word, Excel, Google Chrome, and others.
- System tray showing weather (24°C Mostly cloudy), battery level, and system status (ENG 12-08-2024 21:53).

LIBRARY MANAGEMENT SYSTEM

The screenshot shows the Admin Dashboard of a Library Management System. The interface is dark-themed with red and white accents.

Header: The title "V K's LIBRAR" is partially visible at the top left. The browser tabs show "Kuppusamy_library_management" and "Admin Dashboard".

Left Sidebar (Admin Profile):

- Back button
- User profile icon
- Admin Profile section
- Books
- User Management
- Reports
- Notifications
- Logout button

Central Content:

Add Book Modal: A modal window titled "Add Book" contains fields for Title (with placeholder "Enter book title"), Author (placeholder "Enter book author"), and Genre (placeholder "Enter book genre"). It includes a "User ID" dropdown set to "1", a "Book ID" dropdown set to "1", and a "User ID" dropdown set to "1". A blue "Add Book" button is at the bottom.

Tables: There are two tables under the "Actions" section.

Books			
User ID	Author	Genre	Action
1	John Doe	johndoe@example.com	View Update Delete

Users			
User ID	Name	Email	Role
1	John Doe	johndoe@example.com	Librarian

Reports Section:

Monthly Summary

System Status Bar:

Type here to search 24°C Mostly cloudy 21:54 12-08-2024

LIBRARY MANAGEMENT SYSTEM

The screenshot shows a web-based Admin Dashboard for a Library Management System. The main header reads "Admin Dashboard". On the left, there's a sidebar with a logo, a profile picture of a person, and several menu items: "Books", "User Management", "Reports", and "Notifications". Below the sidebar is a "Logout" button. The central area features two tables: one for "Books" and one for "User". A modal window titled "Add User" is currently open, prompting for "Name", "Email", and "Role", with an "Add" button at the bottom. The "Books" table has columns for "Book ID" (1), "Title" (John Doe), "Author" (johndoe@example.com), and "Category" (Librarian). It includes "View", "Update", and "Delete" actions. The "User" table has columns for "User ID" (1), "Name" (John Doe), "Email" (johndoe@example.com), and "Role" (Librarian). It also includes "View", "Update", and "Delete" actions. At the bottom of the screen, the Windows taskbar shows various pinned icons and the system tray displays the date and time as 12-08-2024 at 21:54.

LIBRARY MANAGEMENT SYSTEM

The screenshot shows the Admin Dashboard of a Library Management System. The interface is divided into several sections:

- Left Sidebar:** Features a logo of an open book inside a circle, followed by the text "V K's LIBRARY MANAGEMENT SYSTEM". Below the logo are navigation links: Books, User Management, Reports, and Notifications. A "Logout" button is at the bottom.
- Reports Section:** Contains two main summary sections:
 - Monthly Summary (July 2024):** Total Books Issued: 150, Total Books Returned: 130, New Users Registered: 20, Total Fines Collected: \$300.
 - Yearly Summary (2023-2024):** Total Books Issued: 1800, Total Books Returned: 1750, New Users Registered: 240, Total Fines Collected: \$3600.
- Admin Dashboard Section:** Shows a table with columns "User ID", "Name", and "Actions" (View, Update, Delete). One row is visible with User ID 1 and Name "John Doe".
- Bottom Bar:** Includes a search bar, taskbar icons (File Explorer, Mail, etc.), system tray icons (weather, battery, network), and a system status bar showing "24°C Mostly cloudy", "21:54 12-08-2024", and "ENG".

LIBRARY MANAGEMENT SYSTEM

The screenshot shows a Windows desktop environment with a library management system running in a browser window. The browser title bar reads "Kuppusamy_library_management" and "Admin Dashboard". The main content area is titled "Admin Dashboard" and features a logo for "V K's LIBRARY". A modal window titled "View Notifications" is open, displaying three types of notifications:

- Book Overdue:** 'The Great Gatsby' is overdue.
- New User Registered:** 'Jane Doe' has joined the library.
- Monthly Report Ready:** July 2024 report is available.

Below the notifications, there are summary statistics:
Total Books Issued: 10000
Total Books Returned: 1750
New Users Registered: 240
Total Fines Collected: \$3600

A "Notifications" section lists the same three events from the modal, each with a "View Details" button. The taskbar at the bottom shows various application icons and the system clock indicating 21:55 on 12-08-2024.

LIBRARY MANAGEMENT SYSTEM

CONCLUSION:

This project aimed to create a comprehensive and user-friendly library management system that enhances the experience for both librarians and users as well as admin. Throughout the development process, several key features and functionalities were implemented to achieve this goal.

The blend of functionality, design, and user experience ensures that the system will serve its purpose effectively in a real-world library setting.