

Progress Report

MCA-3
Darshan Sarvaiya & Drashti Gosai

Project Title: *Library Management System*

Time Period Covered by Report: *01/05/2024 to 28/09/2024*

Submitted by: *Darshan Sarvaiya (212308014) & Drashti Gosai (212308016)*

General Information on Project

- **Objectives:**

*A **Library Management System (LMS)** is a software designed to automate and manage key library functions such as user registration, book catalogue, and circulation. Admin can register users, user and admin log in, and browse available books, while admins manage the book inventory, user roles, and transactions. The system allows users to borrow books with a due date, tracks returns, and calculates fines for late returns. Admins can generate reports on book usage, user activity, and fines, ensuring efficient resource management. By automating tasks like issuing and returning books, the LMS enhances the overall functionality and efficiency of the library.*

- **Components/Activities**

- Database Design and Setup
- User Management
- Book Management
- Book Rental System
- Reporting
- Security and Authentication

- **Project Period:**

Start Date: *May 2024*

End Date: *Ongoing*

Current Status:

- *The system's database structure has been created and key functionalities such as user management, book management, and reports have been developed.*
- *Next steps include for penalty system on return book which are ongoing*
- *Handles all transaction of books with penalty system are also remaining*

1. Meeting

| | |
|--------------------------|-------------------------------|
| Meeting Purpose: | Project Meeting |
| Meeting Date: | 28-April-2024 |
| Meeting Time: | 11:00 am to 12:30 pm |
| Meeting Location: | Emerging five private limited |
| Attendees: | Darshan Vijaybhai (212308014) |

| Next Steps: (Task, Assigned to) | Assign |
|--|-----------------|
| Assigning the projects by the company | Jugal Hadvadiya |
| Final work will be present in google sheets and must be verified by there resources or scheme links. | Jugal Hadvadiya |
| We have to design data dictionary on Library management System | Jugal Hadvadiya |

| Discussion: (Items/Knowledge Shared) |
|---|
| We've discussed about front-end and back-end technology. Then give a project title to us (Library management System). |
| Discuss about the how Library system works and how to implement it. |

2. Meeting

| | |
|--------------------------|---|
| Meeting Purpose: | MCA-3 Project Meeting |
| Meeting Date: | 30-April-2024 |
| Meeting Time: | 2:30 pm to 03:00 pm |
| Meeting Location: | Dr. Neepa Shah's Office |
| Attendees: | Dr. Neepa Shah, Darshan Sarvaiya, Drashti Gosai |

| Next Steps: (Task, Assigned to) | Assign |
|--|---------------|
| Discuss about project definition | Neepa Shah |
| Which diagrams we have to draw for our projects and how system works | Neepa Shah |

| Discussion: (Items/Knowledge Shared) |
|---|
| On 30th April, We discussed about the library management system. After that we have to design a data dictionary before May. All the data dictionary must be accomplished. |
| MoM report created and send by Darshan (212308014). |

3. Meeting

| | |
|--------------------------|--|
| Meeting Purpose: | Project Meeting |
| Meeting Date: | 22-May-2024 |
| Meeting Time: | 04:00 pm to 04:30 pm |
| Meeting Location: | Emerging five private limited (Online) |
| Attendees: | Darshan Vijaybhai (212308014), Drashti Gosai (212308016) |

| Next Steps: (Task, Assigned to) | Assign |
|--|-----------------|
| Check our data dictionary and correction on it. | Jugal Hadvadiya |
| Start implementation front-end and back-end technology on library management system. | Jugal Hadvadiya |

| |
|--|
| Discussion: (Items/Knowledge Shared) |
| We've discussed about Data dictionary and changes on it. Then start working on our system's front-end and back-end technology of Library management System. Discuss about the how Library system works and how to implement it. |

4. Meeting

| | |
|--------------------------|--|
| Meeting Purpose: | MCA-3 Project Meeting |
| Meeting Date: | 24-May-2024 |
| Meeting Time: | 10:00 am to 03:00 pm |
| Meeting Location: | Dr. Neepa Shah's Office |
| Attendees: | Dr. Neepa Shah, Darshan Sarvaiya (212308014) |

| Next Steps: (Task, Assigned to) | Assign |
|--|---------------|
| Check our System's diagram (System flow diagram, ER diagram, Use case diagram for admin and user, Data flow diagram level-0,1,2) | Neepa Shah |
| Discuss about how to Implements modules work in our system | Neepa Shah |

| |
|---|
| Discussion: (Items/Knowledge Shared) |
| On 24th May, Checking our diagrams and change on it according to our system and also checks data dictionary. All the data dictionary must be accomplished. Report created and send by Darshan (212308014). |

5. Meeting

| | |
|--------------------------|-------------------------------|
| Meeting Purpose: | Project Meeting |
| Meeting Date: | 22-June-2024 |
| Meeting Time: | 11:00 am to 02:00 pm |
| Meeting Location: | Emerging five private limited |
| Attendees: | Darshan Vijaybhai (212308014) |

| Next Steps: (Task, Assigned to) | Assign |
|--|-----------------|
| Implement the user interface more attractive and reliable for user | Jugal Hadvadiya |
| Check our authentication and back-end technology | Jugal Hadvadiya |
| Check registration page integrated with Mail system | Jugal Hadvadiya |

| |
|---|
| Discussion: (Items/Knowledge Shared) |
| We've discussed about what is authentication and authorization then how to implement on it. Manage our session for authentication and how to protect our system. |

6. Meeting

| | |
|--------------------------|---|
| Meeting Purpose: | MCA-3 Project Meeting |
| Meeting Date: | 17-August-2024 |
| Meeting Time: | 09:15 am to 09:45 pm |
| Meeting Location: | Dr. Neepa Shah's Office |
| Attendees: | Dr. Neepa Shah, Darshan Sarvaiya (212308014), Drashti Gosai (212308016) |

| Next Steps: (Task, Assigned to) | Assign |
|--|---------------|
| Add more attributes on our book table | Neepa Shah |
| Add drop down menu on languages, formats, etc while admin adding books for more reliable | Neepa Shah |
| On return book we have to use more functionality | Neepa Shah |

| |
|---|
| Discussion: (Items/Knowledge Shared) |
| We are using java-servlet ant project that's why we cannot integrate with any third party payment system. |

Submitted By

Darshan Sarvaiya(212308014)
Drashti Gosai (212308016)

Submitted To

Dr. Neepa Shah
