
Library Management System

'BookTique'

[Developed for ATC India Shared Service Centre]

Classification: Confidential/Proprietary

Version: 1.0

Project Assignment



Project Sponsor



Project Detail:

Project ID	ATC/INTERN/LIB001/19-20
Project Sponsor(s)	ATC India
Project Assignment	Chandigarh University
Chief Project Lead	Mr. Naveen Gambhir
Mentors	Mr.Shubham Saxena and Mr.Amit Mohapatro
Primary Department	ATC IT Shared Service Centre, Gurugram (India)

Document Revision History

Version	Start Date	End Date	Description
1.0	11-Jun-2018		Intern Version

Document Approvers

Role	Name	Title/Désignation	Date (DD-MMM-YYYY)
Reviewed By	Mr. Naveen Gambhir	GM, IT Center Lead	12-Jul-2019
Approved By	Pushpinder Gupta	VP, Chief of IT, ATC India	15-Jul-2019

1. Introduction

1.1.Purpose

Chandigarh University promotes all Engineering students to utilize the skill and knowledge acquired after the second-year training to complete an internship with a professional organisation. These internships ideally which should be under the domain in which student want to contribute to the industry. It is aimed to improve student's employability prospects by giving them industry exposure.

1.2. Project Background

ATC Shared Service Centre has a library which consists of a large number of books related to latest IT Tools/Techniques. Procurement of new books is an ongoing activity. These books are used as a reference study material for Software Developers. Books in ATC Library were managed manually as additional activity to an existing employee. All book-related records (Masters/Transaction) were recorded manually in MS Excel.

Since the entire process was being managed manually, optimum utilization of existing books was lacking. So management decided to have this entire end to end process automated.

1.3.Objectives:

1.3.1. ATC Objective:

The objective of this project was to have a system in place which should manage the entire book without any manual intervention.

The system should facilitate:

- Management of books (Addition/Deletion)
- Tracking book issued to ATC Employees
- Tracking defaulters (book not submitted timely)
- Searching/Adding books
- To generate various MIS reports.

1.3.2. Intern Objective:

- Utilize skill and knowledge acquired in a real-world scenario
- Gain valuable work experience
- Explore a career path
- Give yourself an edge in the job market
- Develop and refine skills
- Network with professionals in the field
- Gain confidence
- Transition into a job

1.4.Scope of the Project:

Initially, the scope of the project was to have a standalone system which could automate the entire manual process. However, soon after the initiation of the project, the scope of the project revised as per the guidance of mentor:

- Web-based Application using latest IT Tools/Techniques
- Secure & Robust
- Efficient & User-Friendly
- Portable
- East to debug and maintain

1.5.Tools & Techniques used:

- HTML
- CSS
- JAVASCRIPT
- BOOTSTRAP
- JSP – Ajax

2. Project Development Cycle:

2.1. Project Planning:

- Complete end-to-end study of existing library process
- Thorough understanding of existing day to day operational
- Mentors were allocated to give an understanding of the existing system as well as the proposed/new system
- Discussion and finalization of Application Requirement Specifications.
- Development of the existing system's flow diagram to avoid any lapse in process study and got it verified from mentors
- Discussed tools and technology being used for the project
- Effort estimation and planning
- There was a lot to do find the needed technology stack/type to be used in the project with mentors. The result of this discussion with Shubham Sir and Amit Sir on 23rd May was that I was able to finalize to **Java** because of the huge libraries support and code once and run everywhere benefits.

2.2. Requirement Analysis:

- Thorough understanding of existing system done.
- Established project goals and objectives
- Discussed existing process with users/mentors
- Ensure all the existing challenges in the manual process must be captured
- Expectation from the upcoming system captured. (**Refer – Annexure-1**)
- Developed a high-level data flow diagram of the system to be developed
- Fine-tuning of the flow diagram in line with the various input received from mentors/users
- Performed impact analysis of system requirement in line with the existing IT infrastructure and techniques being used for project development
- Received sign—off from mentors on requirement document before initiating system design phase.

2.3. System Design:

2.3.1. UI based discussion:

- On 18 May, Shubham Sir and I had done a series of discussion about which technology to use like it would be the Desktop-Based application or Web-Based Application.
- After it, Mentors had arrived at this solution that I will be going to create a prototype of both and then it's testing will be going to take place.

2.3.2. System Security:

- As Enterprise Based Application, I had also focused upon the security of the application and for it and used the **DBMS**.
- I had also done much discussion upon the structure of the database with Amit and Shubham Sir like **data_types/default_values/field_name** etc from 18 May to 28 May.
- After of discussions, I had chosen MySQL as a primary database because of easy configuration method in Eclipse IDE.

2.3.3. Portability:

- The system must be able to run on Windows and Macintosh systems.
- The system must support UNIX/Linux systems.
- The code should be readable, well commented, and maintainable.

2.3.4. Sessions based Logging:

- Through discussion, I have come up with an idea about Session Management and utilize it to for Quick Login and Logout Option.
- It will help to differentiate between the different section of the projects which is divided into Admin, Librarian, Member and Transaction Part.
- The technology stack which was decided to be used in the project is Servlets and Ajax as it will be going to prevent the user from illegally logging.
- A user will not be able to login and logout without any kind of the login id and password, so it is one of the important features for maintaining data privacy and redundancy.

2.3.5. Code Reusability:

- It was also one of the factors which were focused during the work to reduce the unwanted code and better readability for other developers.
- Techniques of Indentation and Comments were discussed out so that better application can be developed.
- So after every week plan I had a Code Reusability review, where I and Shubham Sir had a detailed discussion about the code of the project in a one week session from 18 May to 25 May.
- The **benefits** of this round were that I was able to utilize some repeated code and formulate them into a form of a template which can be reused from anywhere in the project.
- It had reduced hundreds of lines of unnecessary code from the project.

2.3.6. Robust Nature:

- The project should need to work on any condition like it should not depend upon the predefined hardware (i.e. RAM, CPU etc.)
- There is a need to find out which will be the best technology needed to use to make the application robust in nature and how to bring down the unnecessary things which might be going to slow the application during running.
- It makes the application lightweight and I was able to create the project in less 2.1 MB file size and this is one of the most important achievements of the project planning.

2.3.7. Additional Feature:

- The Application was divided between **3Modules** like **Librarian, Admin and Transaction** and each of them are independent of each other and Admin is going to be the Head of the Library Management System.
- **MARK TO BE DELETED:** As an MNC, it was very important for me to know the importance of data and how to make it more secure and robust so for it I had used **flags (Yes/No)** options in Database which will be going to help us in the retrieval of data from database.
- **POP UP Box:** After discussion through Mentors(Shubham Sir and Amit Sir), I had came onto the need to develop the pop-up box to make the code more efficient and robust to use.

- **Session Management:** Every individual is going to be assigned with individual ID and Password which will help them to login and logout without any hassle. These functions help in making the system more secure and robust in nature.
- The application is also helping by providing us with the **statistical report** according to the different parameters in the form of bar chart, line chart, box chart and pie chart.
- It will reduce the manual work by **automating** the whole process from Excel-based work to Web-Based work.
- System will fetch the important information from the data which will be going to **speeding up** the overall process.

2.3.8. Database Design:

During the Database Design Part Seminar, I had come upon the conclusion to have 4 Modules for the Project like Admin, Librarian, Member and Transaction.

The overall design and layout of the table can be found in **Annexure-2**, which can be further be used to show them the variety of the

- Table Design (*refer – Annexure-2*)
- Table fields prototype finalization
- Declaration of primary and foreign keys
- Developed and tested relationships between tables
- Primary testing of table/database integrity

2.3.9. Tools &Technology Used:

2.3.9.1. Primary Selected Tools/Technology:

- As, an intern I was very focused upon the no of days I have and vastness of the project, so it was very important to create a prototype. So, created a Prototype in **Java-based AWT Application** which really helped to find the problems and constraints of the primary technology.
- As,I had already seen the application with primary technology **Java with AWT** so to make any kind of application hardware-independent so to make it software dependent and it could only be possible with the help of web.
- So tried to utilize the prototype learning during the final Tools Selection and after of again doing discussion with Mentors I had come upon **Java with JSP and Ajax**.

2.3.9.2. Finally Selected Tools/Techniques:

HTML:

- HTML (Hypertext Mark-up Language) is the most basic building block of the Web. It defines the meaning and structure of web content.

CSS:

- Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a mark-up language like HTML.

JAVASCRIPT:

- JavaScript, often abbreviated as JS, is a high-level, interpreted programming language that conforms to the ECMA.

MYSQL:

- MySQL is an open-source relational database management system. It is a structured query language used to create, insert and delete table according to the needs and its workings.

AJAX:

- Ajax is a set of web development techniques using many web technologies can send and retrieve data from a server asynchronously without interfering with the display and behaviour of the existing page

2.3.9.3. The different tools selected and used in the project :

- **Eclipse IDE:** To create a robust application which can manage the overall the project and its intelligent completion feature had also helped in the overall development of the project.
- **JDBC Driver** A **JDBC driver** is a software component enabling a Java application to interact with a database. It will be used in connecting the database with the MySQL Database.
- **TOMCAT Server 8.5:** As the name says, it is going to create a link between Eclipse IDE and Internet Browser; it can easily handle the small to medium type of application with an overall accuracy of more than 1000 times refreshing.
- **MYSQL Server:** It had helped in creating the link between the Eclipse IDE and MySQL Command Line Client for easy working.
- **MySQL Database:** It is a procedural query language which can be used to create a database user in the project.

2.3.9.4. A week on Week Progress Report: *Refer Annexure - 3*

2.3.9.5. Hardware Requirements:

- Hardware is one of the most important requirements which are basically needed to run and develop any software/application over any kind of the system. As this project is totally Web-based but still hardware could boost the overall performance and make it more performance efficient.

2.4. Project Testing:

- Completed Test Planning with the mentors
- Developed various test cases.
- Setting up the test environment.
- Execution of the test.
- Closing the test cycle.

2.5. Project Implementation:

Project Implementation is one of the most important parts in which I had basically worked according to the Application Requirement Specifications.

The project Implementation was divided into 2 different approaches:

2.5.1. Project Timeline:

- In the Project Timeline session, Shubham Sir and I had basically developed the methodology of dividing the project progress into week by week basis, and through it, Mentors (Shubham and Amit Sir) will be able to monitor the improvement and how much I had accomplished the goal and objective.
- As my internship was of about 12 weeks, so I had divided the working of the project into twelve different weeks. The Timeline with the task completed is given in the **tabular format** given below.

2.5.2. Review based Progress:

- Every week, I used to have a detailed discussion about the achievement of the week with my Mentors and I had discussed about the other approaches of solving it. Because of it I was able to quickly achieve the above objective and was also able to deliver the important changes.

2.5.3. Project Close-Out & Hand Over:

- Deployed system in the production environment
- Obtained mentors sign-off
- Developed user manual/screenshots for day to day operation (**Refer to Annexure-4**).

Annexure-2

Book Table Structure:

The book table structure is going to show all the fields related to the books. The description of the different field entries are as follows:

1. **ID: Primary Key**
2. **Bookno**= Auto-generated like BOOK01, BOOK02 etc.
3. **Bookname**= Name of Book like Geeta
4. **Author**=Name of the Author like Krishna
5. **Publisher**= Name of the publisher like Geeta House Publications
6. **Publication_year**= Year of the book in which it is was published like 1998
7. **Languages**=To find the language like Hindi, English, and German etc.
8. **Bcategoryid**= Type of the book like Religious, Horror and Adventure etc
9. **Isbn_no**= Unique No written at the back of every book
10. **QOH**= No of books I had purchased in the starting
11. **Issued**= Noof books going to be issued
12. **Bookprice**= Price of the book in INR format
13. **Bdeleted**= Book removed from the Library or not. Example in YES/No condition.
14. **Added_date**= When the book was first added into the Library. To keep track of the book added list.

Field
id
bookno
bookname
author
publisher
publication_year
language
bcategoryid
isbn_no
qoh
issued
bookprice
bdeleted
added_date

Librarian Related Table:

1. **Id** = primary key of Librariantable
2. **Lid**= Unique Id of the Librarian irrespective of Employee Id.
3. **Lname**= Name of the person
4. **Currentpassword**=password used for logging the system.
5. **Lemail**=registered email of the person

Field
id
lid
lname
currentpassword
lemail
laddress
lcity
lcontact
ldoj
bdeleted

Member Related Table:

Field
id
memid
mname
maddress
mcontact
memail
mcity
mentyp
supervisor_name
supervisor_emailid
m DOJ
mdeleted
mcount
mReturn
mPending

Transaction Related Table:

Field
transno
bookno
memid
transactiondate
expreturndate
tdeleted
ReturnDate

Once the project was progressed towards the next phase **SystemDesigning** was done for two different sections for the **Librarian** and **Admin**.

Admin is going to be the **Head of Library Management System** and in the future, the roles and responsibilities of the Admin are going to increase with lots of powers.

Librarian is basically a person assigned by the Admin who can add/issue and return the books and members in the Library Management System easily.

The whole of the project is going to be conducted into three different parts called:

1. Admin
2. Librarian
3. Member
4. Transaction
5. Reports

Week 1 MNC's Work Environment Bonding Period (13 May-18 May)
<ul style="list-style-type: none">● In this period I was first introduced with the team of ATC and got to meet my mentors and learnt about how Corporate works and plans before Project Commencement.● Got to know about the requirement specification for the Project (Library Management System (Library Management System (Booktique))).● After it, I had tried to find more information through meetings and sessions with my mentors Amit Sir and Shubham Sir.

Week 2 First Milestone System and Database Designing (19 May-25 May)
<ul style="list-style-type: none">● Created a dummy prototype with Java Swing and AWT, to find how Java works on the client-side without any integration of Server.● Learnt about the JSP configuration through Eclipse IDE and was also introduced with MySQL and Javascript Basics.● Learnt how to do the configuration of Tomcat Server Version 9.0 with Eclipse, to run the project on Google Chrome, Firefox and Microsoft Edge.● Created a Basic Application Requirements Report and Database Table Report, which will be used to check the required columns and its data types used during the Project Development.

Coding

Coding Period basically began from the 3rd week of May where I had targeted the development into 3 different corners:

1. **Modules**
2. **Entities**
3. **Libraries**

Modules: Modules are the base of the whole system on which the whole of the project is built or made. The Library Management System (Booktique) is basically divided into 4 different modules like Admin/Librarians/Members/Transactions.

1. Admin: Admin is going to be any of the HR or Management Head, who can manage the different records and working of the project with each other.
2. Librarian: Librarian is the 2nd highest authority who can add/edit/update and mark as deleted to anyone book/member. It will be going to work closely with the Team Management to create the system.
3. Members: Member is a separate module who can issue and return any book of his/her choice anytime and anywhere.
4. Transaction: in this section authorities like Admin/Librarian/Members can get themselves aware of the result and progress of the system. All the records related to the issue and return book can be seen through it.
5. Report Generation: It is the module in which an individual can easily monitor the progress with the help of different charts like a pie chart, box chart, bar chart etc.

Week 3 Second Milestone Coding Week (26 May-2 June)
<ul style="list-style-type: none">● Created 3modules (Login Page, Home Page and Books Page) in JSP.● The basic layout was decided and need for Bootstrap/Javascript came into existence.● With seminars/meeting, I had finalised the structure of MySQL Database Librarian/Books and tested it thoroughly.● With the help of MySQL server both the Database and Web-based Application and deployed it with the help of the TOMCAT Server on Firefox.

Week 4 Third Milestone (4 June –18 June)
<ul style="list-style-type: none"> ● On the basis of the Phase 1 Evaluation, I had added some more required columns to the tables of Transaction/Member and updated it into the Application Requirement Specification Report. ● Add some cool features like Modal Box(Pop Up Box), Edit and Mark as Delete Option on the Book, Librarian, Member page, so that our project will look more robust and better UI/UX looking. ● Completed the 3 out of 4 modules like Book, Librarian and Members and rectified all the problems from Project Referral to Project. ● Version 1.0 is completed and every Unit is tested individually.

Week 5 Fourth Milestone (19 June- 26 June)
<ul style="list-style-type: none"> ● Add the features to download Static Report File(CSV file) through a button in the C: directory automatically of the PC/Laptop which will help them to easily work on the data without any hassle. ● Started the work towards the Issuing Book / Return Book Panel so that the author cannot issue more than 2 books in one go. ● Fixed the Data Redundancy Issue while adding books in the System and made it easier for the Librarian to update the quantity for the same book of the same author but with different ISBN no and Publishing Year. ● Version 1.1 Released and brought to it in Unit Testing.

Week 6 Fifth Milestone (29 June- 6 July)
<ul style="list-style-type: none"> ● Started working upon the Report Generation Panel with the help of Google Charts and JSON and able connected them through the database. ● Added more options for dynamic charts like from Bar Charts to Pie Chart to Box Chart. And it will be used to show reports to the Management with more added features. ● Version 1.3 Released and brought to in Integration Testing.

6 July -10 July

Project Completion /Testing

Week 7

Sixth Milestone/Testing Phase/Concluding Phase

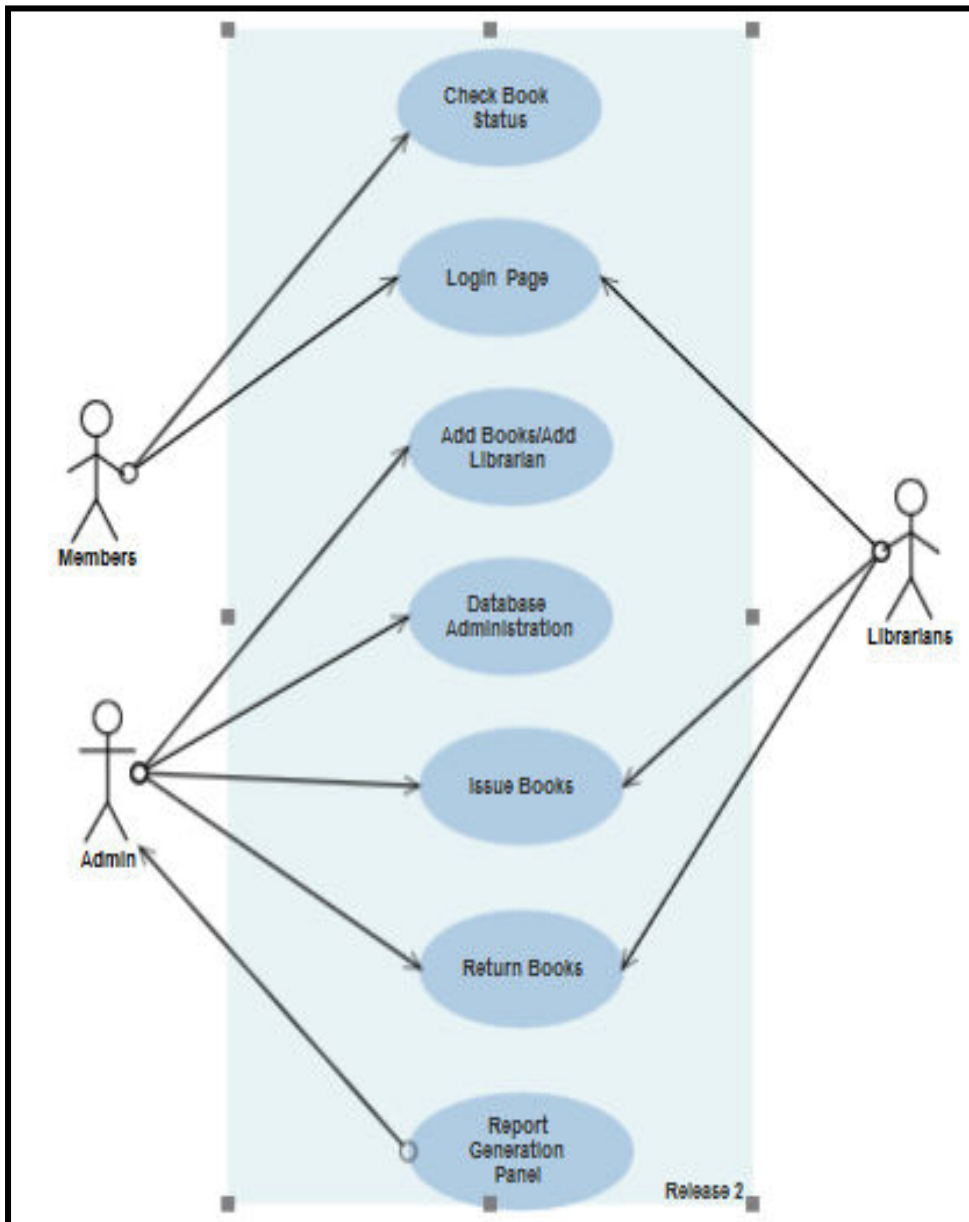
(6 July- 10)

- In this Last Milestone, I had integrated the whole process and tested it thoroughly with the help of various testing tools like **lambdatest.com** etc.
- Worked upon my Final Presentation and delivered it to Pushpinder Sir.

Annexure-3

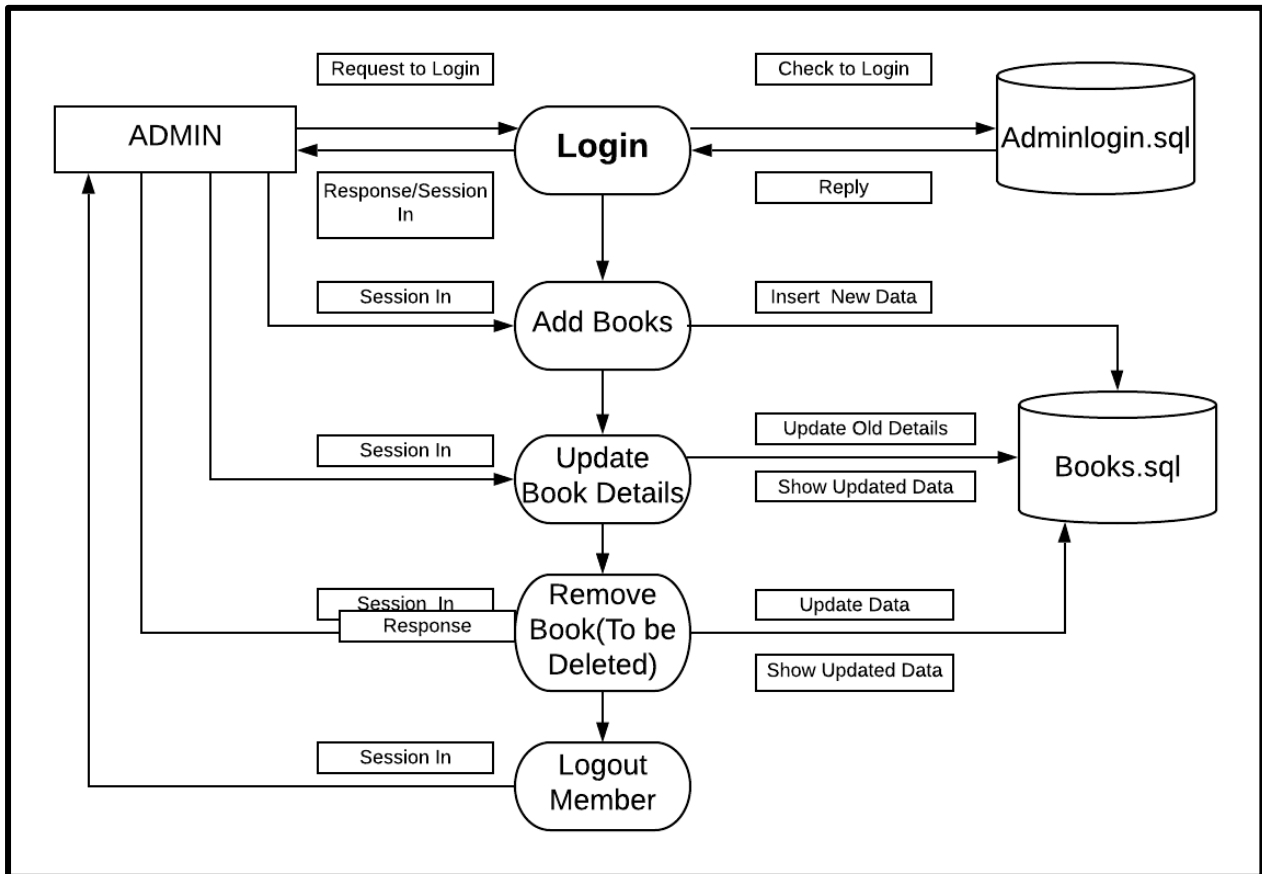
UML DIAGRAMS

USE CASE DIAGRAM

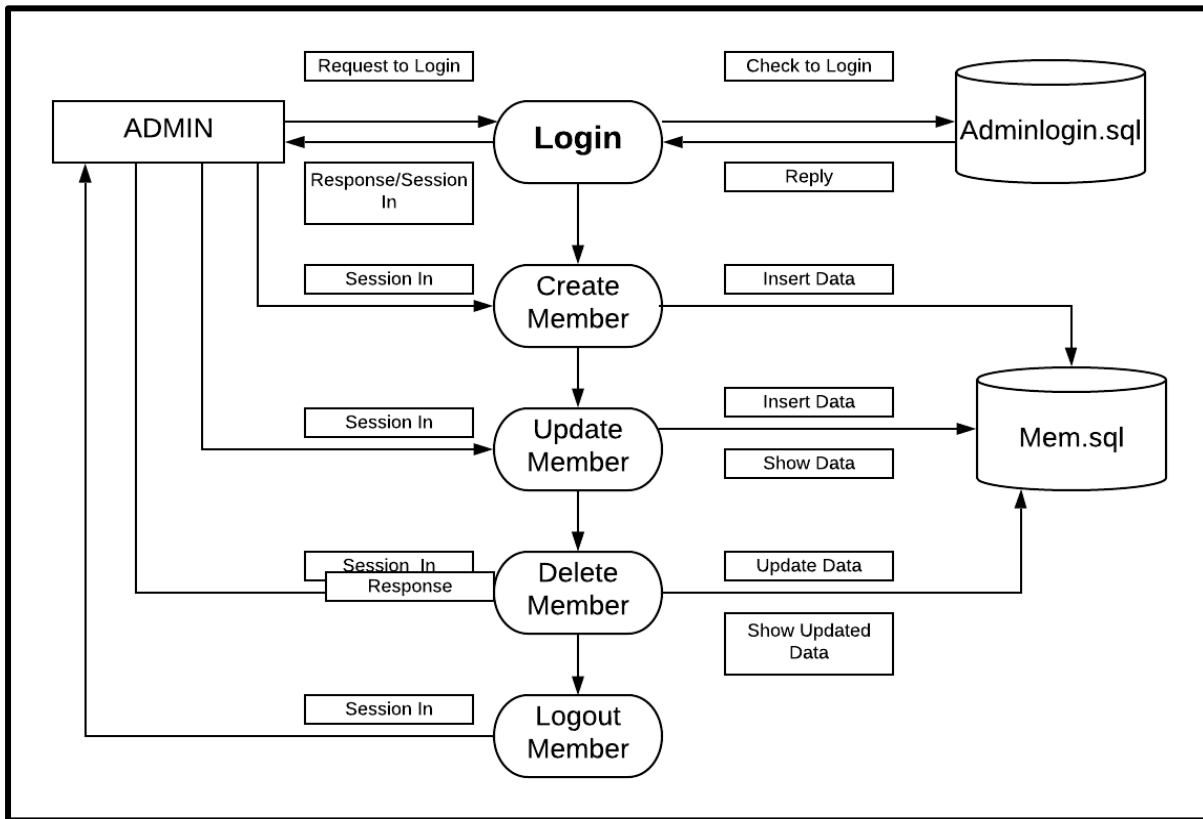


DATA FLOW DIAGRAM:

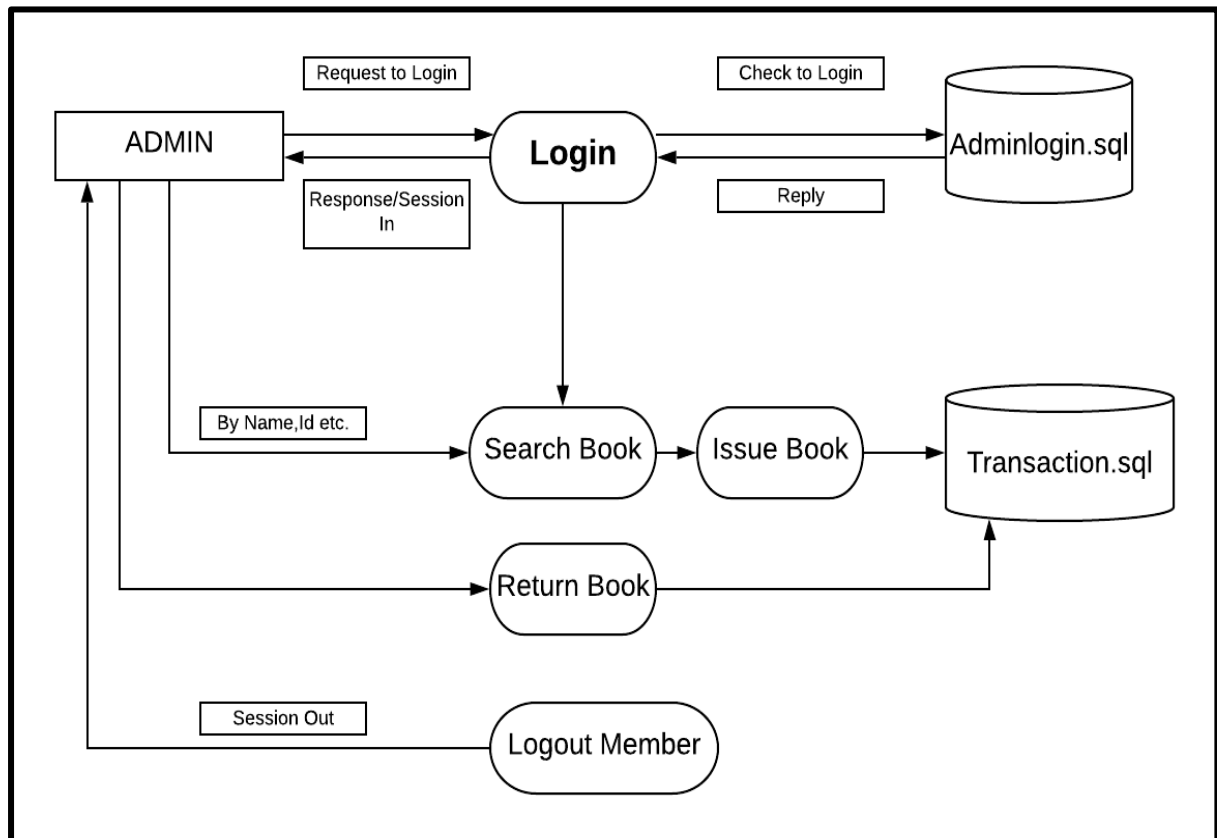
1. Book Section:



2. Member Section:



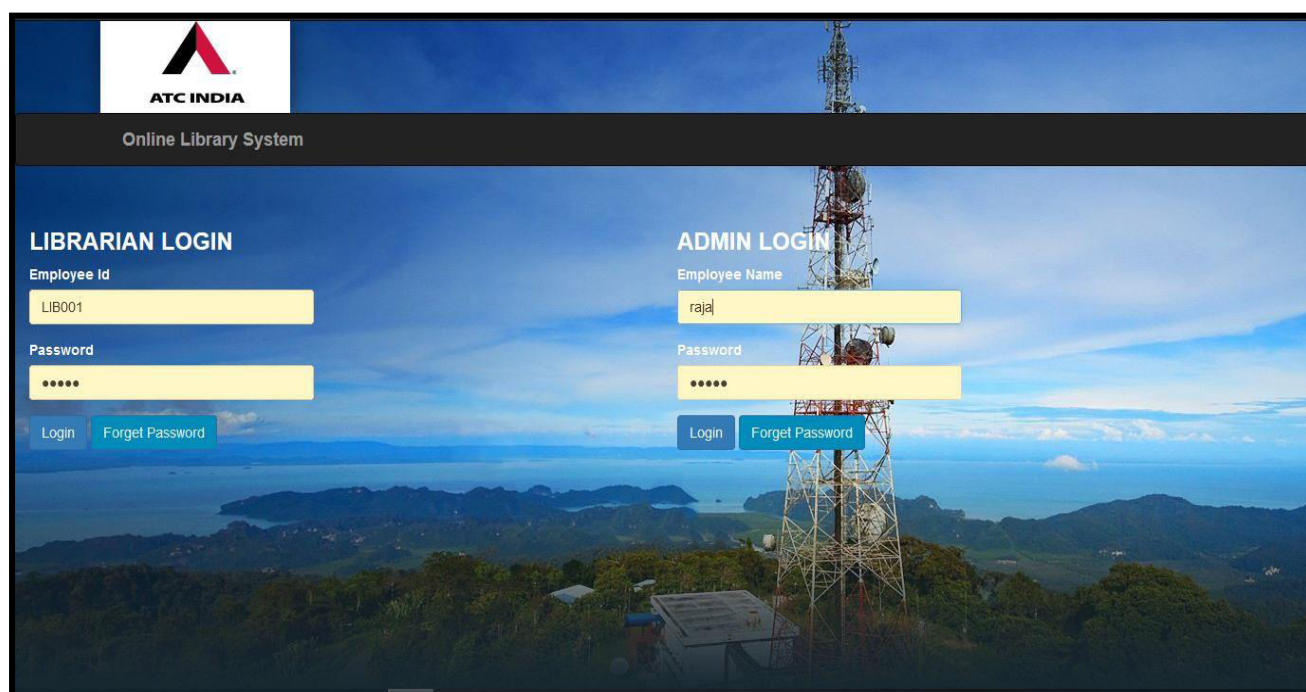
3. Transaction Section:



Annexure-4

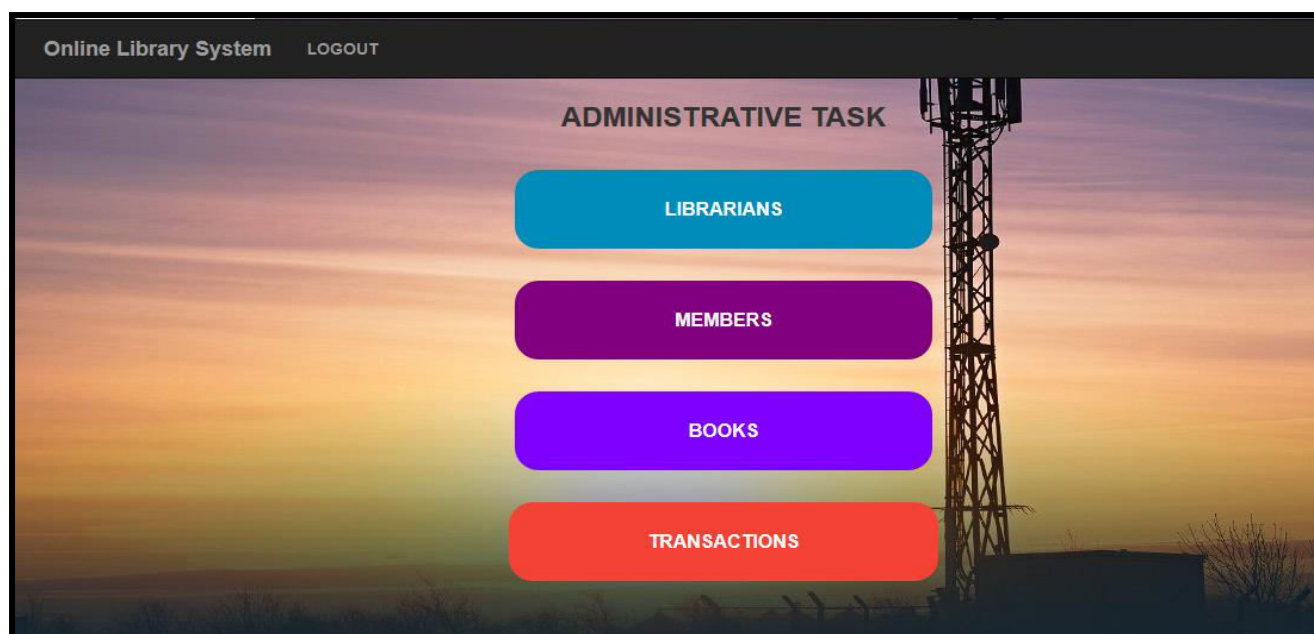
User Manual/Screen Shots:

4.1 Main Page of Library Management System



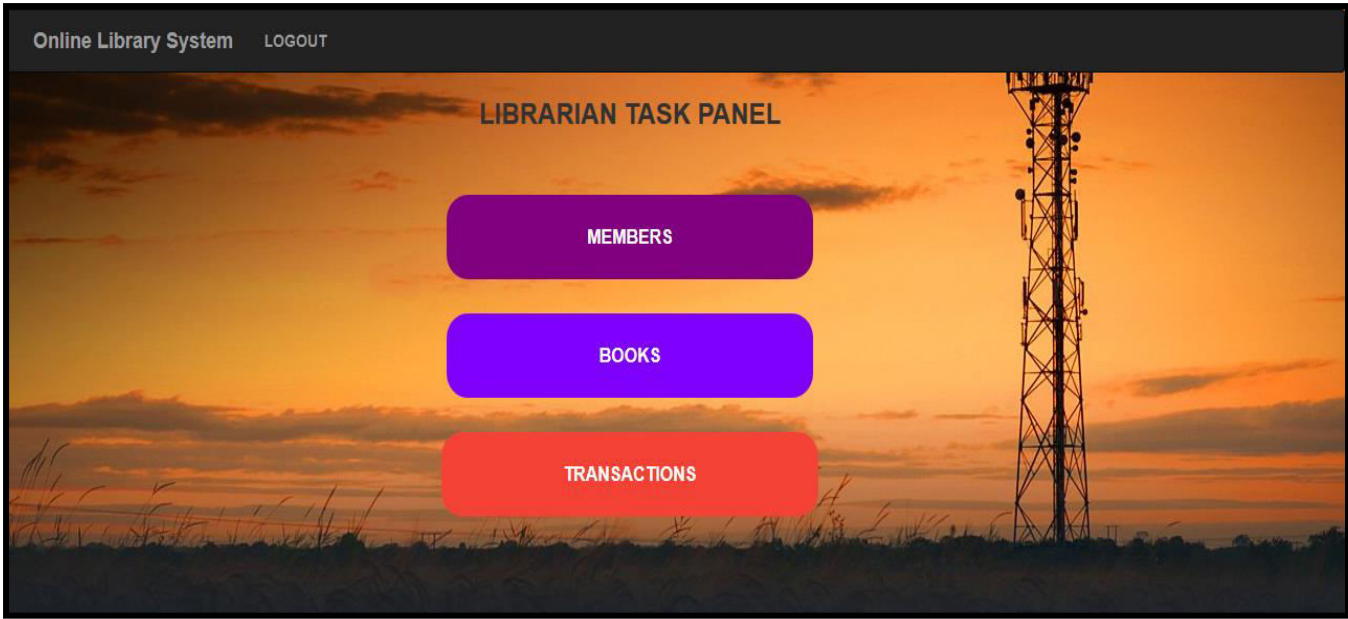
The screenshot displays the main interface of the Online Library System. At the top left, the ATC INDIA logo is visible. Below it, the text "Online Library System" is centered. The page features two login sections: "LIBRARIAN LOGIN" and "ADMIN LOGIN". The Librarian login form includes fields for "Employee Id" (containing "LIB001") and "Password" (masked with dots), with "Login" and "Forget Password" buttons. The Admin login form includes fields for "Employee Name" (containing "raja") and "Password" (masked with dots), also with "Login" and "Forget Password" buttons. The background of the page shows a scenic view of a coastal area with a prominent communication tower.

4.2 Admin Panel after Login:



The screenshot shows the administrative dashboard after a successful login. The top navigation bar includes "Online Library System" and a "LOGOUT" link. The main heading is "ADMINISTRATIVE TASK". Below this heading, there are four large, rounded rectangular buttons stacked vertically: "LIBRARIANS" (blue), "MEMBERS" (purple), "BOOKS" (blue), and "TRANSACTIONS" (red). The background of the dashboard features a sunset or sunrise scene with a communication tower on the right side.


4.2.1 Librarian Panel After Login:



4.3 Book Management Section:

BOOK SECTION										
BOOK NO	BOOK NAME	AUTHOR	PUBLISHER	PUBLICATION YEAR	LANGUAGE	GENRE	QUANTITY ON HAND	ISSUED QUANTITY		
BK1	Bhagvad Geeta	Krishna Vashudev Yadav	Geet Press Gorakhpur House	1990	Hindi	Religious	3	2	Edit	Mark As Deleted
BK2	Guliver Travels	Marvels	Infinity Wars	2019	English	Science/Fiction	2	3	Edit	Mark As Deleted
BK3	Anna Karenina	Leo Tolstoy	Jaico Publishing Houses	2019	English	Coding	2	3	Edit	Mark As Deleted
BK4	Madame Bovary	Gustave Flaubert Singh	Westland Publications House	2019	English	Health	100	1	Edit	Mark As Deleted
BK6	Geeta	Bharat	Sharma Publications	9099	French	Religious	1222	0	Edit	Mark As Deleted

4.4 Bootstrap Based Add Book Pop-Up Box:

**ATC INDIA**

Online Library System [LOGOUT](#)

[AS CSV](#) [ADD BOOKS](#)

BOOK NO	BOOK NAME	AUTHOR	PUBLISHER
BK1	Bhagvad Geeta	Krishna Vashudev Yadav	Geeta Gorak House
BK2	Guliver Travels	Marvels	Infinity
BK3	Anna Karenina	Leo Tolstoy	Jaico Publis House
BK4	Madame Bovary	Gustave Flaubert	Westli Public House

BOOK PANEL

BOOK ID

BK6

Book Name *

Book Name

Author *

Author Name

Publishers *

Publisher Name

Publication Year *

Publication Year

Language *

Select Language Type

Genre *

Genre Of Book

Quantity On Hand *

Quantity On Hand

Book Price *

Price Of Book In INR Only

ISSUED QUANTITY

Edit

Mark As Deleted

Edit

Mark As Deleted

Edit

Mark As Deleted

Edit

Mark As Deleted

[Submit](#)

4.5 Delete Book Confirmation Box:

Are you sure you want to delete the book permanently?							
				OK	Cancel		
R	PUBLISHER	PUBLI			ANITY	ISSUED	
		YEAR			HAND	QUANTITY	
v	Geet Press Gorakhpur House	1990	Hindi	Religious	4	1	Edit
	Infinity Wars	2019	English	Science/Fiction	2	3	Edit
	Jaico Publishing	2019	English	Coding	2	3	Edit

4.6 Member Management Section:

DOWNLOAD AS CSV											
ADD											
ID	NAME	CONTACT	EMAIL	EMP TYPE	SUPERVISOR NAME	SUPERVISOR EMAIL ID	ISSUED BOOKS	RETURNED BOOKS	PENDING BOOKS		
ATCMEM1	Aditya Bakliwal Singh	9911328263	aditya@americantower.com	Permanent	Aman Singhania	amansinghania@americantower.com	10	5	5	Edit	Mark As Deleted
ATCMEM2	Aayushi Singh	8146582353	aayushi@americantower.com	Permanent	Aakash Singh	aakashsingh@americantower.com	1	1	0	Edit	Mark As Deleted
ATCMEM3	Rohan Chandra	9810541189	rohan@americantower.com	Contract	Amrinder Singh	amrinder@americantower.com	2	0	2	Edit	Mark As Deleted
ATCMEM4	Sonal Ranjan Chandra	9810541189	sonal@americantower.com	Contract	Rohit Kumar Singh	rohit@americantower.com	2	0	2	Edit	Mark As Deleted
ATCMEM5	Karan Thakur	9717097707	karan@americantower.com	Permanent	Rahul Chandra	rahul@americantower.com	0	0	0	Edit	Mark As Deleted
ATCMEM6	Nikhil Thomas	9876543210	nikhil@americantower.com	Contract	Subhashree Singh	subhashree@americantower.com	2	2	0	Edit	Mark As Deleted

4.7 Update Member Details Panel:

ID
ATCMEM1
NAME
Aditya Bakliwal Singh
CONTACT
9911328263
EMAIL
aditya@americantower.com
EMP TYPE
Permanent
SUPERVISOR NAME
Aman Singhania
SUPERVISOR EMAIL ID
amansinghania@americantower.com
BOOK ISSUED TILL NOW
10
Update

4.8 Issued Book Section:


[Download as CSV](#)
[Returned Book Panel](#)

[Issue Book](#)

Issued Details Panel

TRANS NO	BOOKS NO	MEMBER ID	TRANSACTION DATE	EXPECTED RETURN DATE	RETURN BOOK
2	BK1	ATCMEM4	2019-07-06 12:14:25.0	2019-7-25	Return Book
3	BK4	ATCMEM4	2019-07-09 10:31:35.0	2019-7-26	Return Book
4	BK2	ATCMEM3	2019-07-09 10:31:49.0	2019-7-10	Return Book
5	BK3	ATCMEM1	2019-07-09 10:54:29.0	2019-7-27	Return Book
6	BK2	ATCMEM1	2019-07-09 11:45:46.0	2019-7-18	Return Book
7	BK3	ATCMEM1	2019-07-09 15:33:17.0	2019-7-27	Return Book
8	BK2	ATCMEM3	2019-07-09 15:33:36.0	2019-7-26	Return Book

4.9 Search Book Section/ Issue Book Confirmation:



Online Library System
[LOGOUT](#)

BOOK ISSUE PANEL

MEM NO	MEM NAME	EMAIL ADDRESS	Book Already Issued By Member	
<input type="text" value="ATCMEM1"/>	<input type="text" value="Aditya Bakliwal Singh"/>	<input type="text" value="aditya@americantower"/>	<input type="text" value="4"/>	ISSUE ME!

BOOK DETAILS PANEL

BOOK RETURN DATE:

BOOK ID:

BOOK NAME:


AUTHOR:

QOH:

Jul 2019

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

4.10 Search Employee Section For Issuing Book:

**ATC INDIA**

Online Library System LOGOUT

Issuing Book


BOOK ID:

BOOK NAME:

AUTHOR:

QOH:

4.11 Returned Book Section (Already Returned Book):

**ATC INDIA**

Online Library System LOGOUT

RETURNED BOOK DETAILS PANEL

TRANS NO	BOOKS NO	MEMBER ID	TRANSACTION DATE	EXPECTED RETURN DATE	RETURN BOOK
1	BK4	ATCMEM1	2019-07-06 12:13:55.0	2019-7-20	Successful Transaction
9	BK2	ATCMEM1	2019-07-09 15:34:12.0	2019-7-24	Successful Transaction

4.12 Forget/Reset Admin and Librarian Password:

FORGET PASSWORD ADMIN!

Admin's Id*

Current Password*

New Password*

Confirm Password*

Change Password

Close

4.12 Exported Records in Local Computer System:

[illegible]



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Thank You

