



Final Presentation On

Software Project Lab II
By Team Twins

Project Name : IIT Library



Supervised By

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Assistant Professor
Institute of Information Technology
Noakhali Science and Technology
University

Our Team Style



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Ratna Kumar Tripura



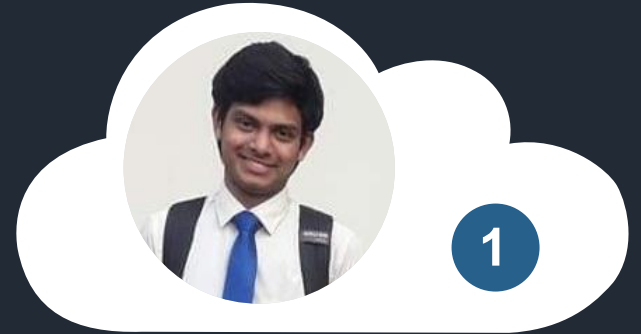
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Prosanto Deb

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Introduction

Introducing “IIT Library” that provides a hassle-free system. Using this system, we can easily borrow books and return them within a specific period. To manage membership, the system has a unique registration process for each individual authentic member of the IIT Library. Using this system, the users can easily search the books in the library. Moreover, the system calculates the fine due for non-return book and also get electronic copies of the books if they are available.



Objective

Transforming Manual to Automated Library System



Stakeholders

Suppliers

Individuals and teams that are part of the organization that develops the software product – **Team Twins, IIT, NSTU**



Change Control Board

Responsible for reviewing or proposing changes, approving/disapproving changes, ensuring that approved changes are implemented and validated – **Faculty Members, IIT, NSTU**

Acquirer

- Customers who request, purchase, and/or pay for the software product – **IIT NSTU**
- End-users who actually use the product directly or indirectly – **Students, Teachers, Officers and Staff**

Features

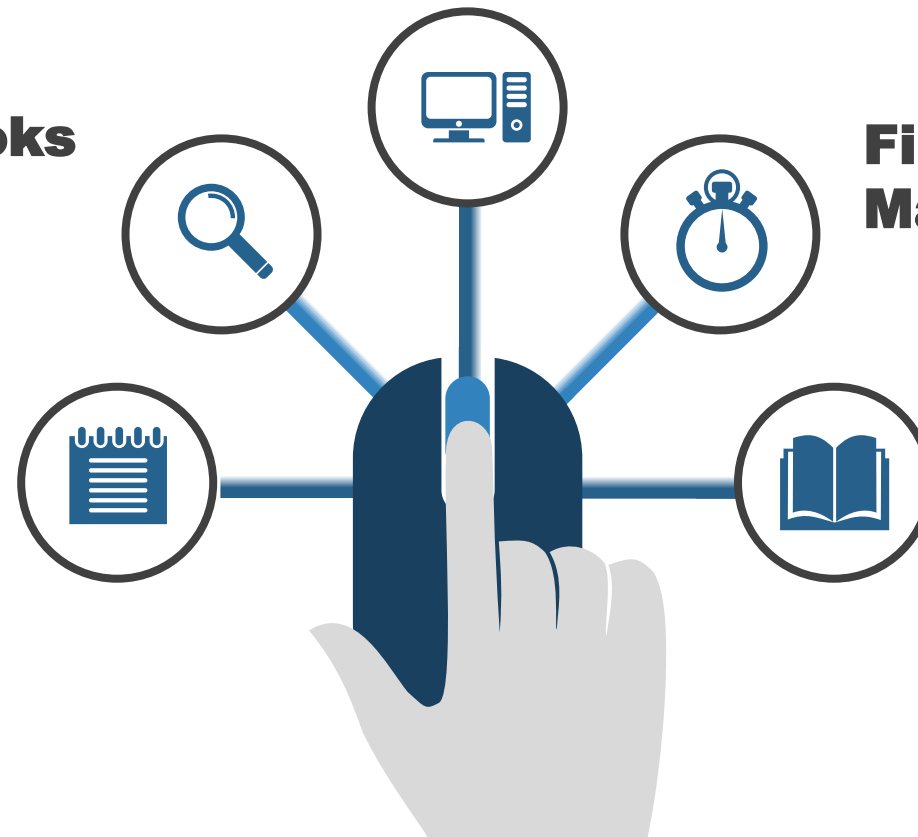
Advanced Booking and Electronic Copy of Books

Searching Books

**Fine
Management**

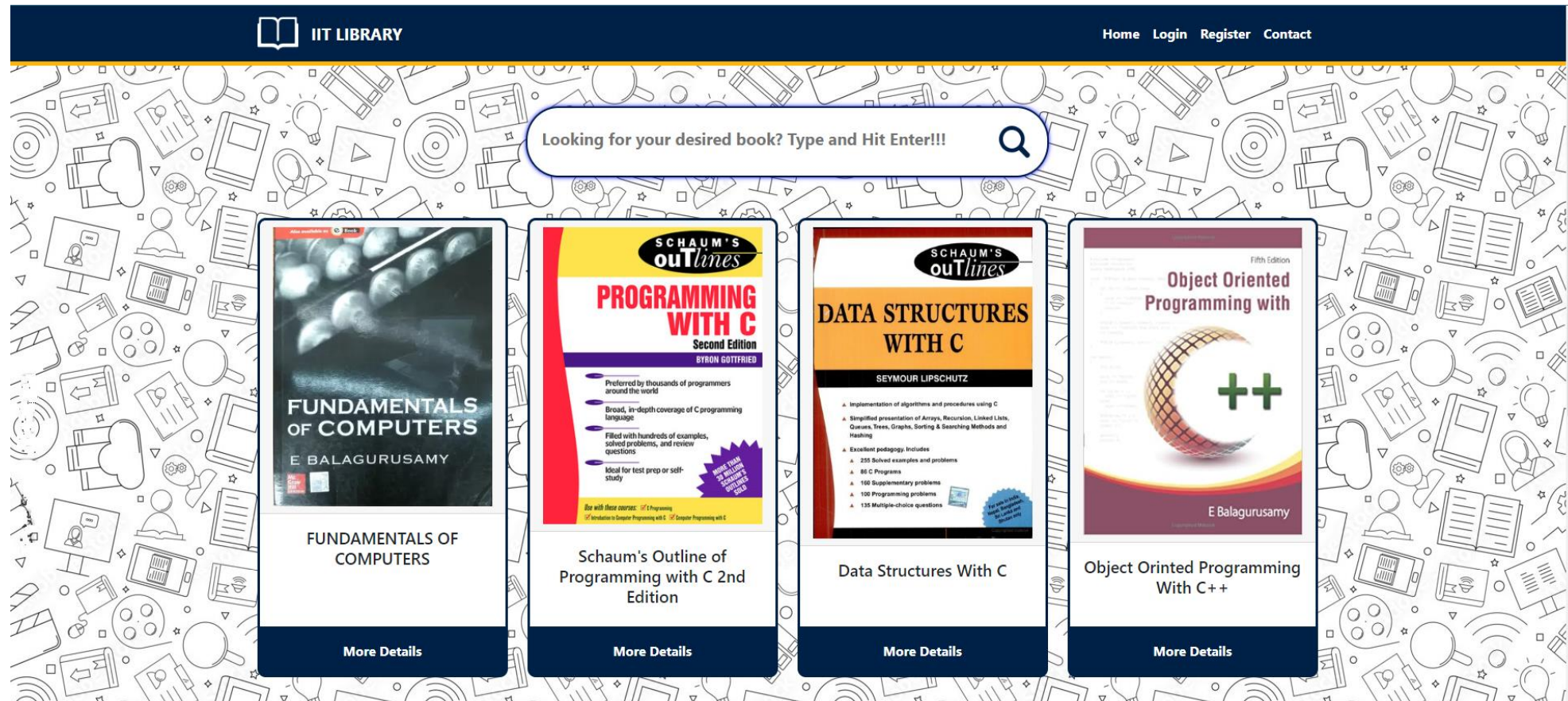
**Membership
Management**

**Borrow and
Returning Books**




Home Page

(User)



Book Request

(User)

 User

HomeNew Book RequestWatchProfileLogout

New Book Request

Book Title*

Author Name*

Book Edition*

Book Publisher

Book Source

ISBN

Send New Book Request

My Booking

(User)



User

[Home](#) [New Book Request](#) [Watch](#) [Profile](#) [Logout](#)

[My Bookings](#)
[My Book Requests](#)
[My Borrowed Books](#)

My Bookings

No	Booking ID	Accession Number	Booking Date & Time	Valid Until	Action
1	B13910423209	A12342678917	2022-09-20 21:18:52	2022-09-23 21:18:52	Cancel Booking

Contact

Institute of Information Technology
Noakhali Science and Technology University (NSTU)
Noakhali-3814, Bangladesh

iit@nstu.edu.bd
 [01883-009900](tel:01883-009900)

Activate Windows
Go to Settings to activate Windows.

New Book Request

(User)



User

[Home](#) [New Book Request](#) [Watch](#) [Profile](#) [Logout](#)

[My Bookings](#)

[My Book Requests](#)

[My Borrowed Books](#)

My Book Requests

No	Request ID	Title	Author	Edition	Publisher	Source	ISBN	Status
1	R13325362806	Java	ABC	4	XYZ	Amazon	12312313	rejected
2	R16587371400	C Programming	ABC	4	XYZ	Amazon	122323123	resolved

Contact

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Noakhali Science and Technology University (NSTU)
Noakhali-3814, Bangladesh

iit@nstu.edu.bd

Activate Windows
Go to Settings to activate Windows.

My Borrowed Books

(User)



User

[Home](#) [New Book Request](#) [Watch](#) [Profile](#) [Logout](#)

My Borrowed Books								
No	Borrow ID	Accession Number	Borrow Date & Time	Valid Until	Action	Return Date & Time	Days Passed After Due Date	Fine
1	B10924603333	A13599613658	2022-09-21 22:35:22	2022-09-28 22:35:22	Extend 7 Days		0 days	0 Tk
2	B13761643252	A11371880057	2022-09-21 21:45:18	2022-09-28 21:45:18	Extend 7 Days		0 days	0 Tk
3	B14787681928	A12247253681	2022-09-21 22:35:24	2022-09-28 22:35:24	Extend 7 Days		0 days	0 Tk
4	B14903933509	A11092310280	2022-09-21 21:45:20	2022-09-28 21:45:20	Extend 7 Days		0 days	0 Tk

List of Books

(Librarian)



Librarian

[Home](#) [Add New Book](#) [Watch](#) [Users](#) [Profile](#) [Logout](#)

Looking for your desired book? Type and Hit Enter!!!



List of Books

No	Accession No	Title	Author	Edition	Date of Publication	Publisher	Number of Pages	Number of Books	Action
1	9780070141605	FUNDAMENTALS OF COMPUTERS	E Balagurusamy	0		McGraw Hill	495	7	Add Book
2	9780070240353	Schaum's Outline of Programming with C 2nd Edition	Byron S. S. Gottfried	2	06-22-1996	McGraw Hill	552	8	Add Book
3	9780070770141	554	12	Add Book

Activate Windows
Go to Settings to activate Windows.

User Booking

(Librarian)



Librarian

[Home](#) [Add New Book](#) [Watch](#) [Users](#) [Profile](#) [Logout](#)

User Bookings

No	Booking ID	User ID	Accession Number	Booking Date & Time	Valid Until	Action
1	B13910423209	T32449247494	A12342678917	2022-09-20 21:18:52	2022-09-23 21:18:52	Give Book

Contact

Institute of Information Technology
Noakhali Science and Technology University (NSTU)
Noakhali-3814, Bangladesh

[Activate Windows](#)

New Book Request

(Librarian)



Librarian

[Home](#) [Add New Book](#) [Watch](#) [Users](#) [Profile](#) [Logout](#)

New Book Requests

No	Request ID	User ID	Title	Author	Edition	Publisher	Source	ISBN	Action	
1	R14042075 503	T32449247 494	C Program	ABC	3	XYZ	Amazon	1234	Process	Reject
2	R14946701 977	T32449247 494	Java	XYZ	2	ABC	Amazon	32142	Resolve	Not Resolve

Contact

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Noakhali Science and Technology University (NSTU)
Noakhali-3814, Bangladesh

Activate Windows
Go to Settings to activate Windows.

User Borrowed Books

(Librarian)



Librarian

[Home](#) [Add New Book](#) [Watch](#) [Users](#) [Profile](#) [Logout](#)

User Borrowed Books

No	Borrow ID	User ID	Accession Number	Borrow Date & Time	Valid Until	Return Date & Time	Days Passed After Due Date	Fine
1	B13910423209	T32449247494	A12342678917	2022-09-20 21:23:29	2022-10-04 21:23:29	Receive Now	0 days	0 Tk
Total Fine								0 Tk

Contact

Institute of Information Technology
Noakhali Science and Technology University (NSTU)

Activate Windows
Go to Settings to activate Windows.

User Approve Request (Librarian)

2022-09-08

Present Address

Brahmanbaria

Postcode

3400

Permanent Address

Brahmanbaria

Postcode

3400

Mobile Number

01793222825

Personal Identification Number

123456

Designation

Professor

Recommend For Approval

Remove Request

Home Page

(Director)



Director

[Home](#) [Librarian](#) [Users](#) [Book Report](#) [Profile](#) [Logout](#)

Top 5 Books (In Quantity)

No	Title	Author	Edition	Publisher	Source	Number of Books
1	Object Oriented Programming With C++	E Balaguruswamy	0	McGraw Hill	Amazon	17
2	Data Structures With C	Seymour Lipschutz	0			12
3	Computer Algorithms: Introduction to Design and An	Sara Baase	3	Pearson	Amazon	11
4	Schaum's Outline of Programming with C 2nd Edition	Byron S. S. Gottfrie	2	McGraw Hill	Amazon	8
Activate Windows Go to Settings to activate Windows.						

User Approval

(Director)

ST/00000000

Personal Identification Number

123456

Designation

Lecturer

Approve

Send for Recheck

Remove Request

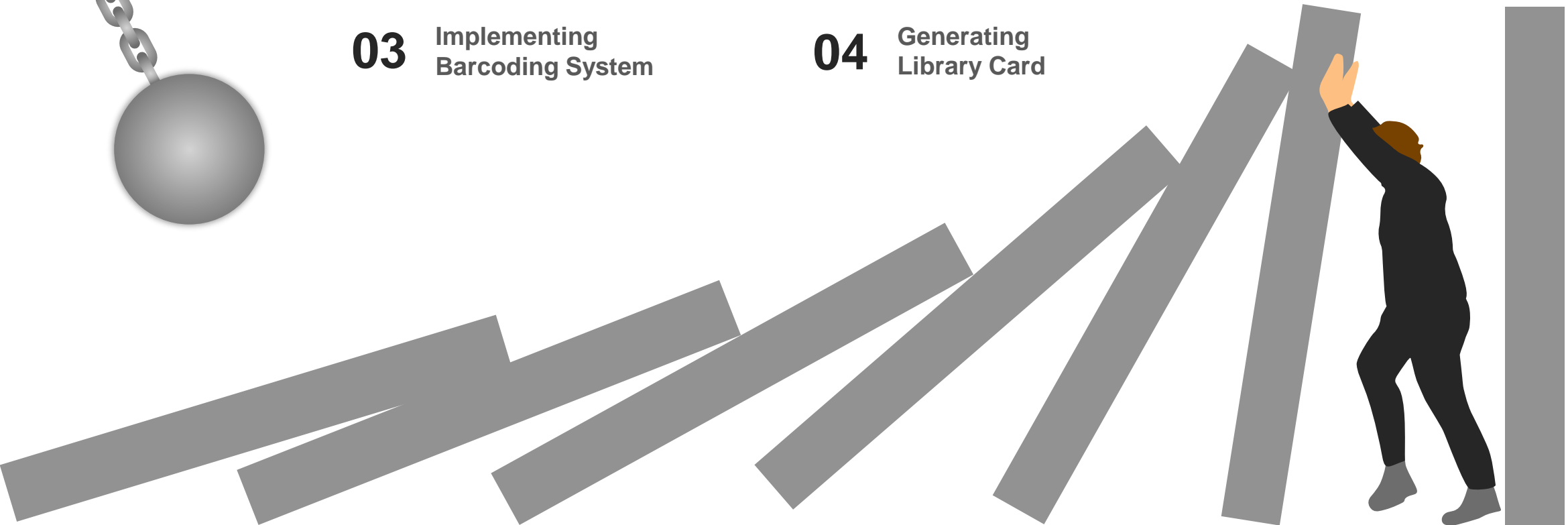
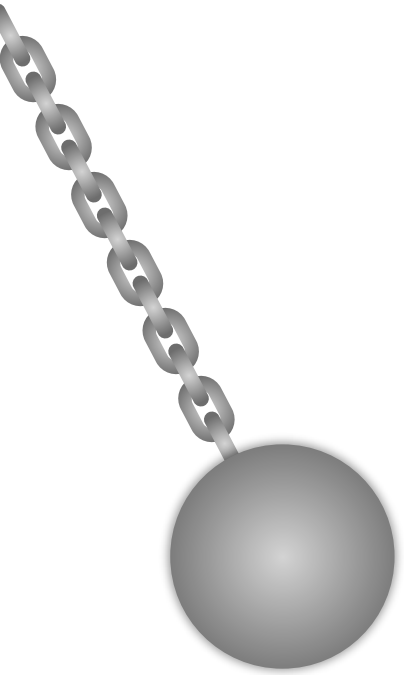
Future Work

01 Sending Text Message
as Response

02 Implementing
Payment Gateway
for receiving fine

03 Implementing
Barcoding System

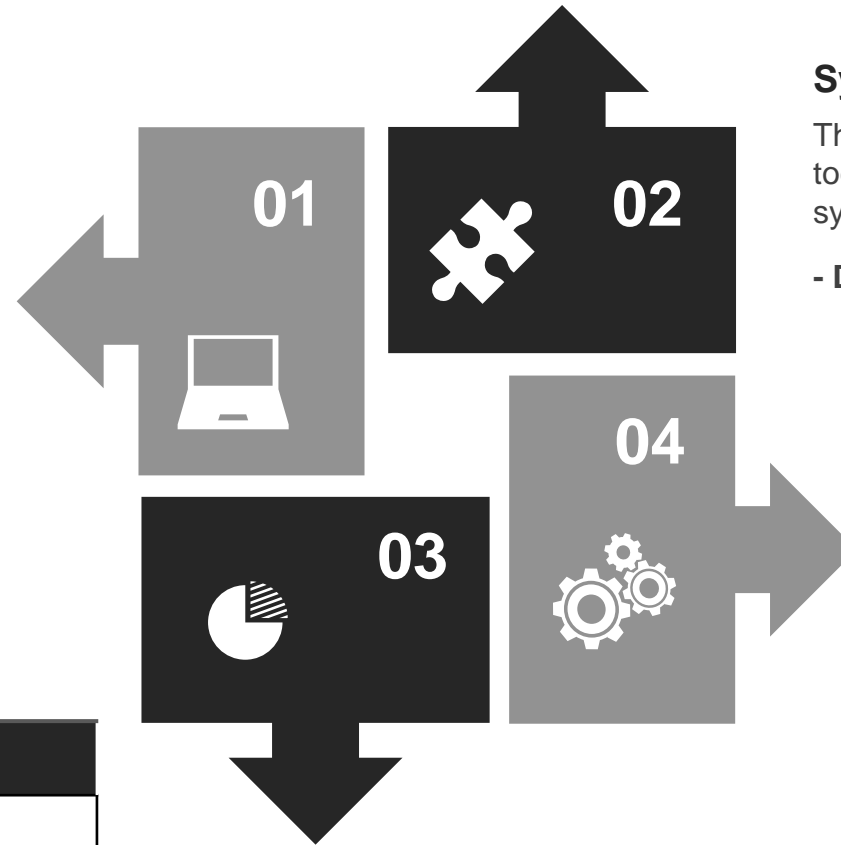
04 Generating
Library Card



Team Contribution

Module Name	Member
Home Page, Book Info, Borrow Book, Booking, Book Request Handling, Profile Update	Prosanto Deb
Login, Register, Add New Book, Add User, Add or Remove Librarian, Watch Book Requests.	Abdullah Alif
Register Page (Front end), Header, Footer, Creating Tables, User Details (Front end)	Ratna Kumar Tripura

Slide Preparation
Prosanto Deb
Abdullah Alif
Ratna Kumar Tripura



System Integration

The process of bringing together the component sub-systems into one system.

- Done By Prosanto Deb

Testing and Debugging

Prosanto Deb
Abdullah Alif



Thank You

