E-BOOK SYSTEM

BOOKISH!!!

A Project Report
Submitted in partial fulfillment of the Requirements for the
award of the Degree of

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By

Jay Rajendra Kanade

24

&

Anshu Amit Mishra

40

Under the esteemed guidance of
Ms. Larissa Pegado
Assistant Professor

DEPARTMENT OF INFORMATION TECHNOLOGY
PTVA's SATHAYE COLLEGE(AUTONOMOUS)
(Affiliated To University Of Mumbai)
MUMBAI, 400057
MAHARASHTRA
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PROFORMA FOR THE APPROVAL PROJECT PROPOSAL

PRN No.: <u>2021016401591077</u> /<u>2021016401591785</u>   Roll no :- <u>24 and 40</u>

1. Name of the Student
     <u>Jay Rajendra Kanade and Anshu Amit Mishra</u>

2. Title of the Project
     <u>BOOKISH!!!</u>

3. Name of the Guide
     <u>Ms. Larissa Pegado</u>

4. Teaching experience of the Guide _____

5. Is this your first submission?   Yes ■   No ☐

Signature of the Student   Signature of the Guide

Date: ....   Date: ....

Signature of the Coordinator

Date: ....

Parle Tilak Vidyalaya Association's

SATHAYE COLLEGE (Autonomous)

(Affiliated to University of Mumbai)
MUMBAI-MAHARASHTRA-400057

DEPARTMENT OF INFORMATION TECHNOLOGY

CERTIFICATE

This is to certify that the project entitled,**"E-BOOK SYSTEM"**, is bonafide work of **Jay Rajendra Kanade** and **Anshu Amit Mishra** bearing Seat. No: **24 and 40** & submitted in partial fulfillment of the requirements for the award of the degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from the University of Mumbai.

Internal Guide   **Coordinator**

External Examiner

Date: **College Seal**

ABSTRACT

The Electronic-Book Or E-Book provides a unique way to enrich the traditional importance of writing and reading the various literatures along with the new era's technology. Many literatures like stories, novels and many more can be accessed by anyone from anywhere around the globe that to also virtually with any device.

BOOKISH!!! is an Electronic-Book Or E-Book website which provides the functionality to users for enjoying their hobbies of reading and writing the literature. Bookish!!! develops the interest and enhances the skills related to literature and creative minds of humans very effectively by reaching to the maximum people virtually.

ACKNOWLEDGEMENT

I wish to extend my heartfelt gratitude to the Information and Technology Department of Sathaye College.

After months of tireless efforts, I am thrilled to present my final year project. This journey has been filled with new experiences and valuable learning, albeit challenging. I wish to express our deep appreciation to everyone who contributed to the success of our project. I am keen to convey my sincere thanks to the faculty for their unwavering cooperation, guidance, and support.

First and foremost, we would like to acknowledge our professor, Ms. Larissa Pegado, for her consistent support and motivation, without which the successful completion of this project would not have been possible. Her invaluable assistance simplified what initially appeared to be a daunting task, guiding us at every step.

Her encouragement, continuous direction, genuine interest, and innovative insights were pivotal in bringing this project to fruition. Her extensive knowledge of programming languages and various aspects of software development played a critical role in our project accomplishment.

Lastly, I extend my gratitude to all the professors within the Information Technology Department at Sathaye College and every individual, whether directly or indirectly, who played a part in the realization of this project. Your contributions have been instrumental, and I thank you from the bottom of my heart.

~ThankYou!

DECLARATION

I hereby declare that the project entitled, **"E-BOOK SYSTEM"** done at the **place where the project is done**, has not been in any case duplicated to submit to any other university for the award of any degree. To the best of my knowledge other than me, no one has submitted to any other university.

The project is done in partial fulfillment of the requirements for the award of degree of **BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)** to be submitted as a final semester project as part of our curriculum.

Name and Signature of the Student

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CHAPTER 1

Introduction

1.1 Background

"Bookish!!!" is the system which is a website that provides a platform for accessing an online virtual books to readers and also creating an environment for the author to create his own content and making it publicly accessible to all. "Bookish!!!" has its roots in E-Book or Electronic-Book which means an online virtual books store that can be accessible virtually, easily to readers and also an online platform for creating content by an author and making it publicly accessible to all.

Michael S. Hart, who is the inventor of the e-book, planned to create documents using plain text to make them as easy as possible to download and view on devices. E-Books has its historical context right from the year 1990 where a lot of problems were arising while accessing a physical book in terms of money and available stocks of hard copy. In the same year of 1990, the internet was introduced in the market where it gained its popularity and got boosted in terms of the number of users widely across the globe. In account of this, many publishers like Simon & Schuster and Nist grabbed the opportunity and coped up with the internet. They published their books virtually through pdf, xml format and software to the market and enhanced the idea of e-books.[1]

E-books are usually distributed on the Internet as downloadable files that can be read offline, as live Web pages that must be read online or as Web pages that are cached by a Web browser for reading offline.[2] Webnovel, an e-book website which creates an ideal online platform for global users with dreams of writing and accessing it virtually.[3]

1.2 Objectives

- To make the system more user friendly by keeping it less complex.
- To encourage author's creativity by giving a place for making their own content.
- To enrich the user's skills of reading, through various literatures.
- To avoid the issues of publishers selecting the content that they want and publishing it and making a monopoly in the market, the system gives an opportunity for writing content and gives free access to all through the internet.
- To have more functionalities like providing a comment section through which the users can communicate and give suggestions to the author.
- To make books easily accessible in the form of ebooks and thereby saving printing costs.

1.3 Purpose, Scope and Applicability:

1.3.1 Purpose

- The main purpose behind developing this system is to give users a better friendly interface.
- Increases user's interest in reading various literatures like stories, novels, etc that helps in exploring different new words by which thinking ability is also being improved.
- The website has a vision in order to emphasize more on human kind by allowing authors to express their creativeness, emotions, love and experience through writing various novels and stories.
- As artificial intelligence has ability of creating a literature content by its own there will be adversely affect on human potential of thinking and creativity but this website gives more importance to the human mindness of love and emotions by giving a platform to write the content literatures which can only done by humans and not by any other machine.

1.3.2 Scope

- The main issues being covered by the system is that it can reduce the stress of hard copy of books and also authors can publish their own content without any publishers.
- The main functions are the books with audio enabled and search by various rankings.

- Stakeholders

  - Project Development Team:-
    - JAY .RAJENDRA KANADE [Roll number :- 24]
    - ANSHU AMIT MISHRA [Roll number :- 40]

  - Customer:-
    - Author
    - Reader

- Features

  - Ranking system for books based on popularity, numbers of reads, views and ratings.
  - Various different Genres are provided.
  - Search option is provided for searching a specified book.
  - Audio books are also available for effective experiences.
  - Authors can create their own books and add it under the specific genres.
  - Users are provided with the section to communicate with the author and provide his views through comments.
  - The Customer can directly Sign Up by various accounts.
  - The Customer can also create an unique account on the website by Registration and Login.
  - Subscription allows users to unlock the locked chapters after accessing the free chapters and also allows authors to publish their book after a specific limit of free Books published.

- Exclusion

    - Audio search will not be provided.
    - Multi-language support is excluded.
    - Book coins will not be used.

- Limitations

    - The website will not provide any recommendations based on customers needs.

1.3.3 Applicability

"Bookish!!!" is the system which is a website that provides a platform for accessing an online virtual books to readers and also creating an environment for the author allowing him to make his "own" content on it, making it publicly accessible to all. The website has a vision in order to emphasize more on humankind by giving the author a stage to express their creativeness, emotions, love and experience through writing various novels and stories.

The website helps in increasing user's interest in reading literature like stories, novels etc. It also helps in exploring different new words and improving the user's thinking ability, reading and creativity skills.

Chapter 2

SURVEY OF TECHNOLOGIES

2.1 Webnovel

Webnovel creates the ideal online platform for global users with dreams of writing. It supports authors in creating their stories, be it novels or comics, via serialization. Webnovel is a strong proponent of copyright law while supporting the spirit of creation. Webnovel's pay-to-read model has allowed more and more creators to benefit through their works, exacting qualitative changes in lifestyles for authors all around the globe.

- Features of Webnovel :-

  - Reading preference(Male and Female lead stories).
  - Search by title, author name and tags.
  - Content Language.
  - Sign in.
  - Rankings(Trending and Popular).
  - Filters by genres.[4]

- Technology :- Flarum

  Flarum is a fast, free and reliable forum solution to host a forum online. It made it simple to enlarge and run a thriving community. It's PHP-based community software used by many big companies, including Hacksnation, WebDeveloper and websites like Webnovel and many more. Flarum is open-source, so it has plenty of free and paid extensions and that approach makes it highly customizable. It can also enable/disable forum features if anyone wants to update their forum to the new version. And with that, can change its default color and CSS via the admin panel.One fabulous thing about the Flarum is it supports more than 30 different languages[5]

2.2 Wattpad

Wattpad is the world's largest social network of readers and writers, with around 85M hyper-engaged monthly users.The website uses the power of community and technology to help brands and Hollywood unleash the full potential of stories to the world. Whether user is online or offline, they can read seamlessly without worrying about downloading PDFs.As the destination for original stories, Wattpad is home to millions of fresh voices who share culturally-relevant stories that reflect their world every day.[6]

- Features of Wattpad :-

  - Refine by tag(various genres).
  - Sign up for various accounts.
  - Sort by new and hot.
  - Accessibility Policy(Policies, Practices, & Procedures).
  - Premium+.
  - Links.[7]

- Technology :- HubSpot CMS

  The HubSpot CMS — known by HubSpot as the CMS Hub — is a content management system. It's a platform that gives the framework needed to build a solid, successful website. Like other content management systems, the HubSpot CMS Hub is designed to build the website on top of it. Unlike other content management systems, the CMS Hub was designed specifically to take the pain out of managing your website. It's built to deliver security, speed, and scalability, and it marries directly to the rest of HubSpot's suite of tools to deliver unmatched marketing and sales support, all wrapped up into the website, too.[8]

2.3 MTL Novel

MTLNovel is a RAW Novels translator site using automatic Machine Translation (MTL). This site translates novels faster than human translation. The reason for making this site is because there are only a few manual translators and it is a bit slow to translate light novels manually. Therefore if the user is not patient enough waiting for the manual translation of favorite novels, MTLNovel with its machine translation is the solution.[9]

- Features of MTL Novel :-

  - Random novel(genres,author).
  - Personal Reading List.
  - Chat.
  - Status(Ongoing,Completed)
  - Upcoming novels.
  - Novel List(name,ratings). [10]

- Technology :- Machine Translation

  Machine translation is an automated system that produces translated content without human intervention. It can be categorized into rule-based (RBMT), statistical (SMT), or neural (NMT) approaches. MT's output quality varies based on language pairs, subject matter, pre-editing, available training data, and post-editing resources. Raw machine translation may be used for low-impact content while post-editing by human translators is advisable for high-impact or sensitive content.[11]

2.4 Drawback

2.4.1 Webnovel

Webnovel's drawback lies on their terms and conditions which means Webnovel requires author to hand over their copyright, which means author lose any future benefit from their work—publishing it professionally, anthologies, book club, movies, TV, etc. Anything good that might ever come of their work, the author will have no say in and not get a cent from.[12]

2.4.2 Wattpad

Wattpad's drawback is on their premium payment structure which is in dollars, which makes the Indian audience to make the payment model a little confusing as well as complex.User can no longer read books in their library without internet access unless they subscribe to Premium.[13]

2.4.3 MTL Novel

MTL Novel's drawback is that they only provide the novel by translation and not provide a platform for an author to write their own content and get appreciated by others. By which it's not fulfilling the needs of authors.

2.5 Comparative Analysis

2.5.1 Webnovel

As Webnovel provides a platform to authors for writing their own content but because of Webnovel's policy, handing author copyright to Webnovel and claiming benefits on author content creates a loop hole. By the way, Bookish!!! fills in these holes. Bookish!!! gives an author a platform for publishing their own content without any publishers and also not claiming any rights on their content. By which authors can get their benefits on their own by not sharing with anyone. Motivating authors and readers to get more compatible. Thus, enriching their passion.

2.5.2 Wattpad

Wattpad payment's model is of premium type. It means if the user wants to read any novel which has copyright then the user wants to pay first and that also for a particular time period and in a currency of dollars which makes the Indian audience to make the payment model a little confusing as well as complex. Besides this, Bookish!!! has a payment model of subscription. Subscription helps users to access the library to read books. Unless first having to pay a premium. Making Bookish!!! more friendly.

2.5.3 MTL Novel

MTL Novel is purely based on automatic machine translation (MTL). That translates the novel from one language to another and gives access to read by the user. They do not provide a platform where an author can write their own content and readers can appreciate their work. Bookish!!! overcomes this and provides a platform to an author for writing their own content by not claiming any rights on their content which author can get their benefits on their own by not sharing with anyone. Also giving functionality to readers to appreciate the work of the author. This feature makes Bookish!!! more unique and stand alone in the world of E-Books.

Chapter 3

Requirements and Analysis

3.1 Problem Definition

As the world changes rapidly in the technology and ease of communication by globalization and with the fastest spread of internet connectivity, the world has become closer and can communicate within a few seconds. By increasing the advancement of technology and the fastest reach of the internet around the globe, it helps many people to grow their businesses and to make a huge profit by serving billions of people on a large scale.

E-Book Or Electronic-Book is one of them which provides books virtually in the form of pdf and web pages. Providing a platform to authors for publishing their own content on the internet. On the basis of it "Bookish!!!" is the system which is a website that provides a platform for accessing online virtual books to readers and also creating an environment for the author to create his own content and making it publicly accessible to all. Bookish!!! gives an author a platform for publishing their own content without any publishers and also not claiming any rights on their content. By which authors can get their benefits on their own by not sharing with anyone. The system gives users a better friendly interface and increases user's interest in reading various literatures like stories, novels, etc that helps in exploring different new words by which thinking ability is also being improved. The website has a vision in order to emphasize more on human kind by allowing authors to express their creativeness, emotions, love and experience through writing various novels and stories.

As artificial intelligence has ability of creating a literature content by its own there will be adversely affect on human potential of thinking and creativity but this website gives more importance to the human mindness of love and emotions by giving a platform to write the content literatures which can only done by humans and not by any other machine. Motivating authors and readers to get more compatible. Thus, enriching their passion.

3.2 Requirements Specification

- User requests for the website, the website will load and give responses as Login Page.
- For an account of a User as Reader and Author can directly Login through Sign Up by various accounts or can create a unique account through Registration on the website.
- Users such as Reader, will browse through websites for books and can search for books through Genres, Ranking System (based on popularity, numbers of reads, views and ratings).
- Users as Reader can also access Audio books.
- Some books have free access to a few chapters, for accessing more chapters Reader will have to take Subscription (monthly or yearly) which provides them to unlock the locked chapters and that book can be stored in Reader's Libraries section.
- Users as Author, can write their own content and publish their work on websites.
- Authors can publish their work for free to a specific limit of a book, after a specific limit is crossed then the author will have to take a Subscription (monthly or yearly) for publishing their work.
- For Subscription User as Reader and Author should have an account on a website.
- User's can give Ratings and Feedback for service being provided.
- Admin will Login in to the website and can manage the books, manage the users and check the content displayed on the website.
- If the content displayed on the website is illegal content then the admin will remove that content.

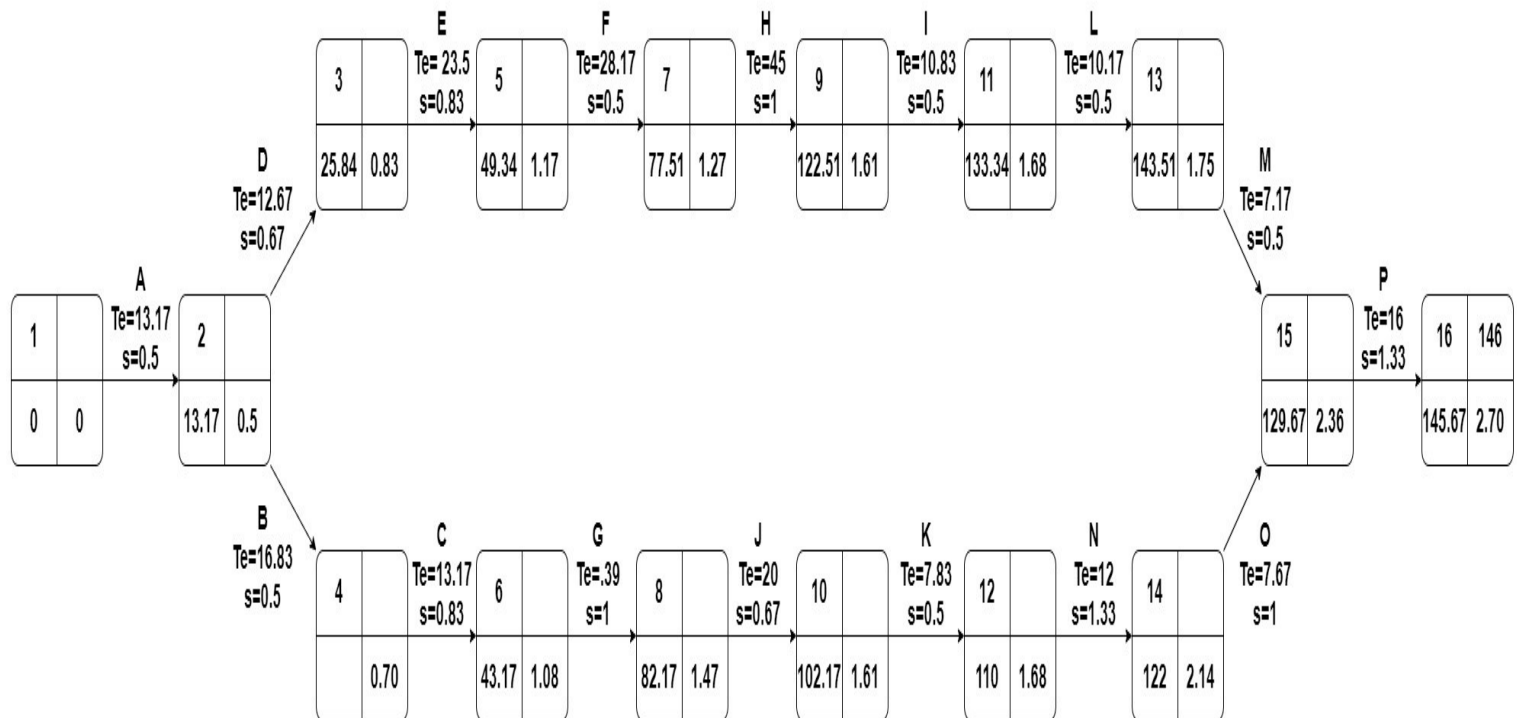## 3.3 Hardware and Software Requirements

- 3.3.1 Hardware Specifications

    - Processor: Intel(R) Core(TM) i3-3217U CPU @ 1.80GHz   1.80 GHz
    - RAM Size: 10.0 GB (9.90 GB usable)
    - System Architecture: 64-bit operating system, x64-based processor

- 3.3.2 Software Specifications

    - Front end: CSS, HTML, ASP.NET / C#.
    - Back end: SQL or Microsoft SQL Server.
    - Operating System: Windows 11.

3.4 Planning and Scheduling

3.4.1 Pert Chart

Sr. No	Activity Name	Activities	Start Date	Optimistic Time (a)	Most Likely Time (m)	Pessimistic Time (b)	Expected Time Te=(a+4m+b)/6	Standard Deviation s=(b-a)/6
1	A	Survey	15-Jun-23	12	13	15	13.17	0.5
2	B	Background Study	28-Jun-23	15	17	18	16.83	0.5
3	C	Literature Study	15-Jul-23	11	13	16	13.17	0.83
4	D	Requirements Analysis	28-Jul-23	10	13	14	12.67	0.67
5	E	Selection Of H/W and S/W	10-Aug-23	22	23	27	23.5	0.83
6	F	Database Design	02-Sep-23	27	28	30	28.17	0.5
7	G	User Interface Design	30-Sep-23	36	39	42	39	1
8	H	Coding One	08-Nov-23	42	45	48	45	1
9	I	Testing One	23-Dec-23	9	11	12	10.83	0.5
10	J	Coding Two	03-Jan-24	18	20	22	20	0.67
11	K	Testing Two	23-Jan-24	6	8	9	7.83	0.5
12	L	Module Integration	30-Jan-24	9	10	12	10.17	0.5
13	M	Module Integration Testing	09-Feb-24	6	7	9	7.17	0.5
14	N	System Integration	16-Feb-24	10	11	18	12	1.33
15	O	System Integration Testing	27-Feb-24	6	7	12	7.67	1
16	P	Implementation	05-Mar-24	12	16	20	16	1.33
Total				251 Days	281 Days	324 Days		

3.4.2 Gantt Chart

Activities	Start Date	Days To Complete
Survey	15-Jun-23	13
Background Study	28-Jun-23	17
Literature Study	15-Jul-23	13
Requirements Analysis	28-Jul-23	13
Selection Of Hardware and Software	10-Aug-23	23
Database Design	02-Sep-23	28
User Interface Design	30-Sep-23	39
Coding One	08-Nov-23	45
Testing One	23-Dec-23	11
Coding Two	03-Jan-24	20
Testing Two	23-Jan-24	8
Module Integration	30-Jan-24	10
Module Integration Testing	09-Feb-24	7
System Integration	16-Feb-24	11
System Integration Testing	27-Feb-24	7
Implementation	05-Mar-24	16

GANTT CHART FOR E-BOOK SYSTEM
15-JUN-23 TO 20-MAR-24
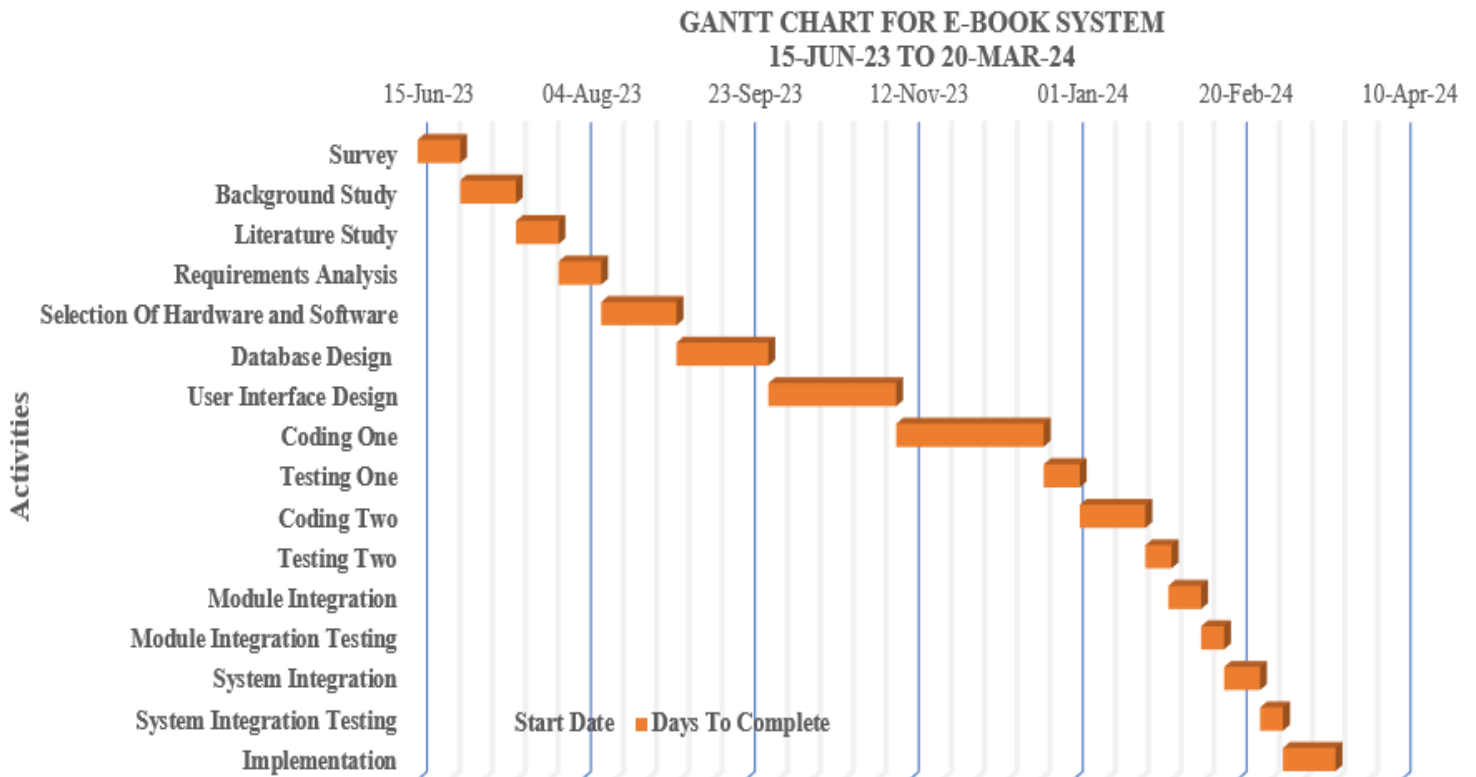
3.5 Preliminary Product Description

- Registration Module

    A Registration Module is a list of fields where a user will input data into it and submit it to the system. There are many reasons why one should want the person to fill the Registration Form. The entries done by the user are digitally stored in a database which makes it easy to insert, update, retrieve and delete the records. Registration module is used for various ways like Signing Up users for Subscriptions, services, or other programs or plans.

- Login Module

    The Login Module is a module that allows users to type a username and password to Log in to the website. Users input their credentials into the website's Login Form. That information is then sent for the authentication to the server to check the information and compared with all the user credentials on the database. When a match is found, the system will authenticate users and grant them access to their accounts.

- Search Module

    Users as Reader will browse through websites for books and can search for books through Genres, Ranking System (based on popularity, numbers of reads, views and ratings

- Profile Module

    Profile module gives functionality to users to edit their details by their own according to their choices whenever they want to do it. Users can edit their data like Username, Password, Email Address, Gender, Hometown, About, Reading Preference, Writing Preference.

- Subscription Module

    Subscription (monthly or yearly) allows users to to unlock the locked chapters and also allows the authors to publish their book after a specific limit of free Books published.

3.6 Conceptual Models

3.6.1 ER Diagram

BOOKISH ER DIAGRAM
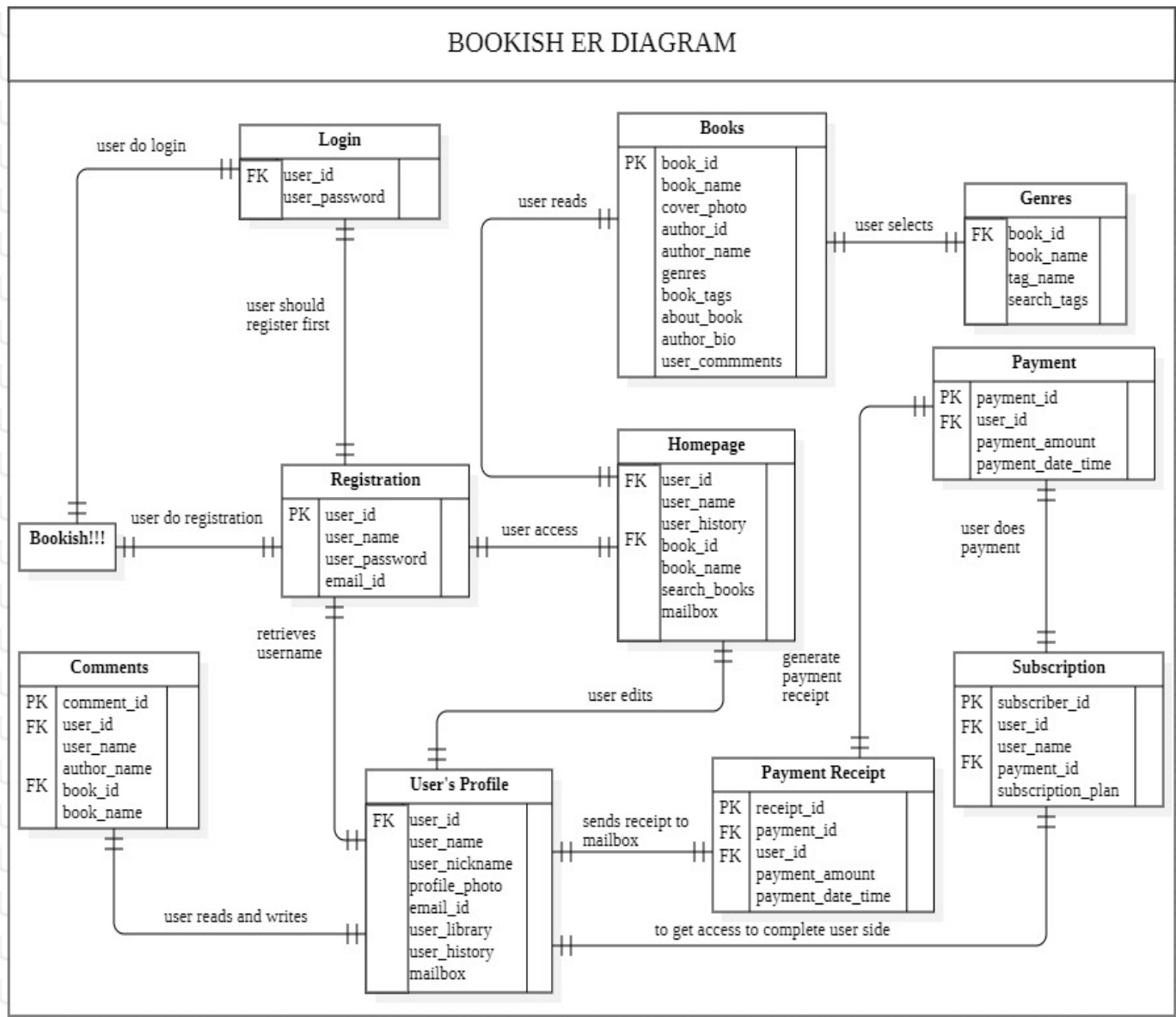
3.6.2 Data Dictionary

1. Login

Sr. No.	Field Name	Data Type	Constraints
1	user_id	varchar(60)	Foreign Key From Registration
2	user_password	varchar(8)	Not Null

2. Registration

Sr. No.	Field Name	Data Type	Constraints
1	user_id	varchar(60)	Primary Key
2	user_name	varchar(100)	Not Null
3	user_password	varchar(8)	Not Null
4	email_id	varchar(40)	Not Null

3. Homepage

Sr. No.	Field Name	Data Type	Constraints
1	user_id	varchar(60)	Foreign Key from Registration
2	user_name	varchar(100)	Not Null
3	user_history	varchar(200)	Not Null
4	book_id	varchar(60)	Foreign Key from Books
5	book_name	varchar(100)	Not Null
6	search_books	varchar(40)	Not Null
7	mailbox	varchar(100)	Not Null

4. Books

Sr. No.	Field Name	Data Type	Constraints
1	book_id	varchar(60)	Primary Key
2	book_name	varchar(100)	Not Null
3	cover_photo	longblob	-
4	author_id	varchar(60)	-
5	author_name	varchar(100)	Not Null
6	genres	varchar(100)	Not Null
7	book_tags	varchar(20)	Not Null
8	about_book	varchar(40)	Not Null
9	author_bio	varchar(100)	Not Null
10	user_commments	varchar(100)	-

5. Genres

Sr. No.	Field Name	Data Type	Constraints
1	book_id	varchar(60)	Foreign Key from Books
2	book_name	varchar(100)	Not Null
3	tag_name	varchar(20)	Not Null
4	search_tags	varchar(20)	Not Null

6. User's Profile

Sr. No.	Field Name	Data Type	Constraints
1	user_id	varchar(60)	Foreign Key from Registration
2	user_name	varchar(100)	Not Null
3	user_nickname	varchar(100)	-
4	profile_photo	longblob	-
5	email_id	varchar(40)	Not Null
6	user_library	varchar(100)	-
7	user_history	varchar(200)	Not Null
8	mailbox	varchar(100)	Not Null

7. Comments

Sr. No.	Field Name	Data Type	Constraints
1	comment_id	varchar(40)	Primary Key
2	user_id	varchar(60)	Foreign Key from Registration
3	user_name	varchar(100)	Not Null
4	author_name	varchar(100)	Not Null
5	book_id	varchar(60)	Foreign Key from Books
6	book_name	varchar(100)	Not Null

8. Subscription

Sr. No.	Field Name	Data Type	Constraints
1	subscriber_id	varchar(60)	Primary Key
2	user_id	varchar(60)	Foreign Key from Registration
3	user_name	varchar(100)	Not Null
4	payment_id	varchar(40)	Foreign Key from Payment
5	subscription_plan	varchar(200)	Not Null

9. Payment

Sr. No.	Field Name	Data Type	Constraints
1	payment_id	varchar(40)	Primary Key
2	user_id	varchar(60)	Foreign Key from Registration
3	payment_amount	double(20)	Not Null
4	payment_date_time	double(20)	Not Null

10. Payment Receipt

Sr. No.	Field Name	Data Type	Constraints
1	receipt_id	varchar(40)	Primary Key
2	payment_id	varchar(40)	Foreign Key from Payment
3	user_id	varchar(60)	Foreign Key from Registration
4	payment_amount	double(20)	Not Null
5	payment_date_time	double(20)	Not Null

3.6.3 Data Flow Diagram (D-F-D)

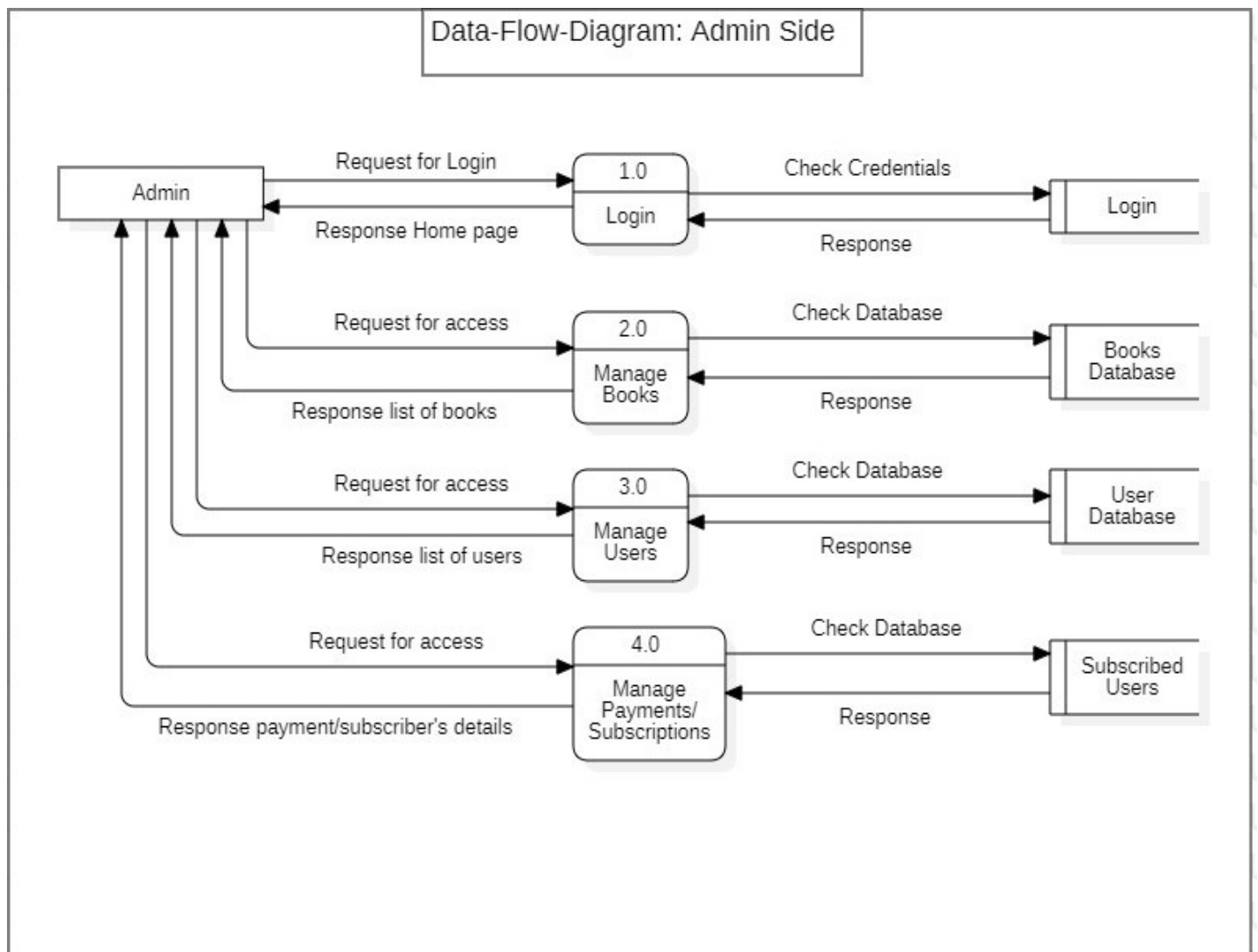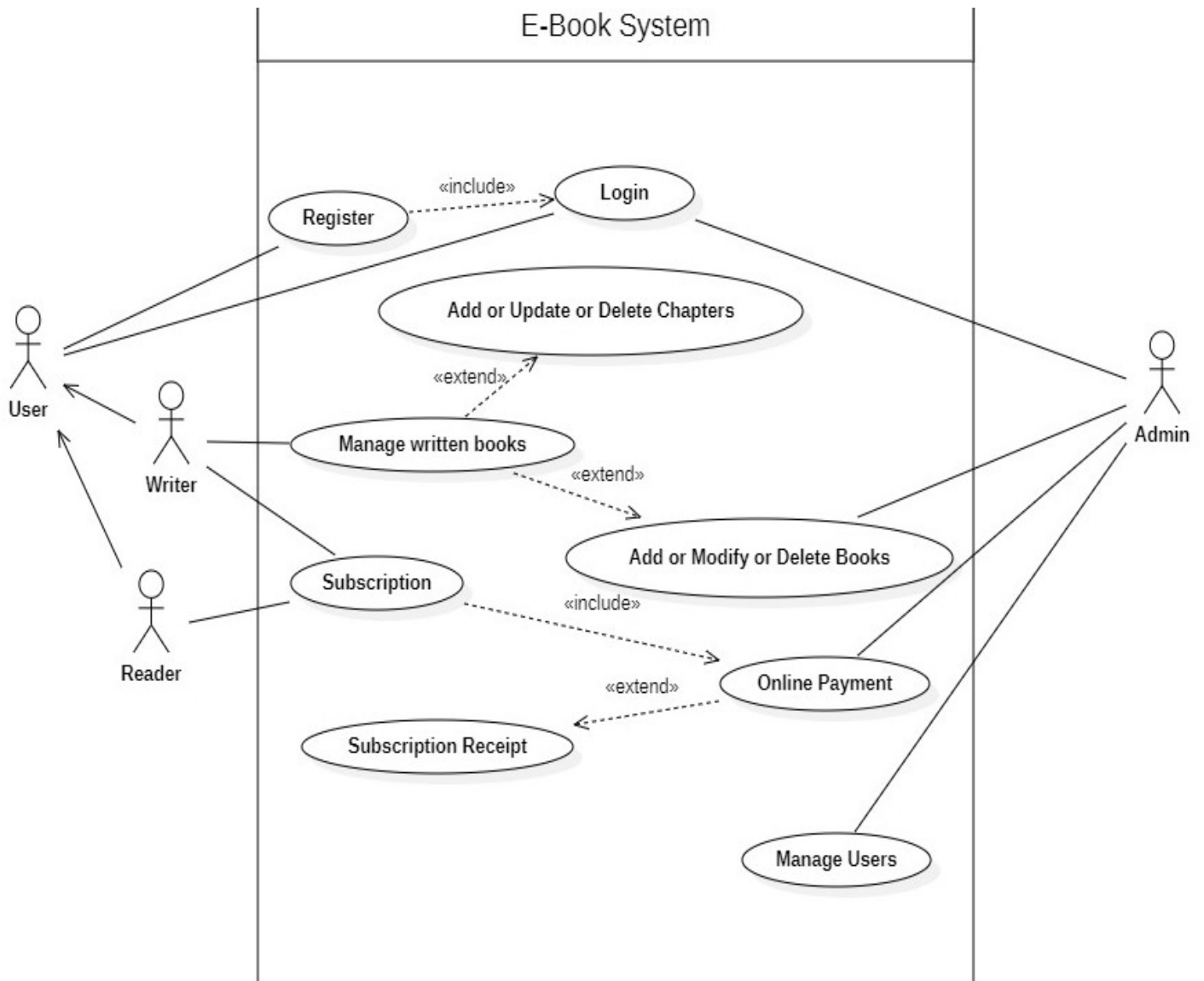### A] Context Level Diagram / Level 0
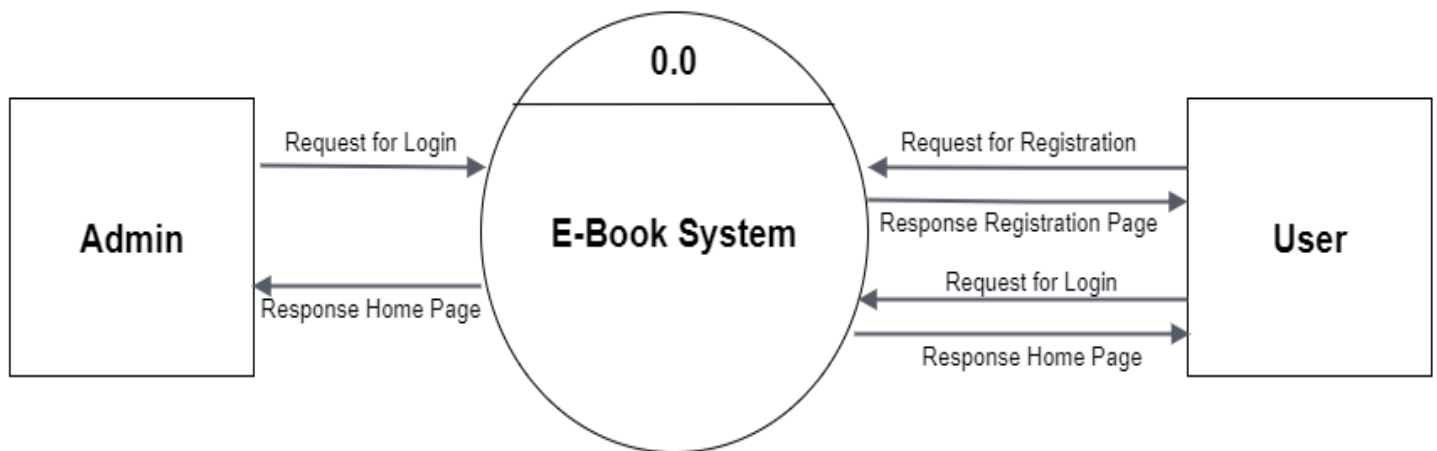
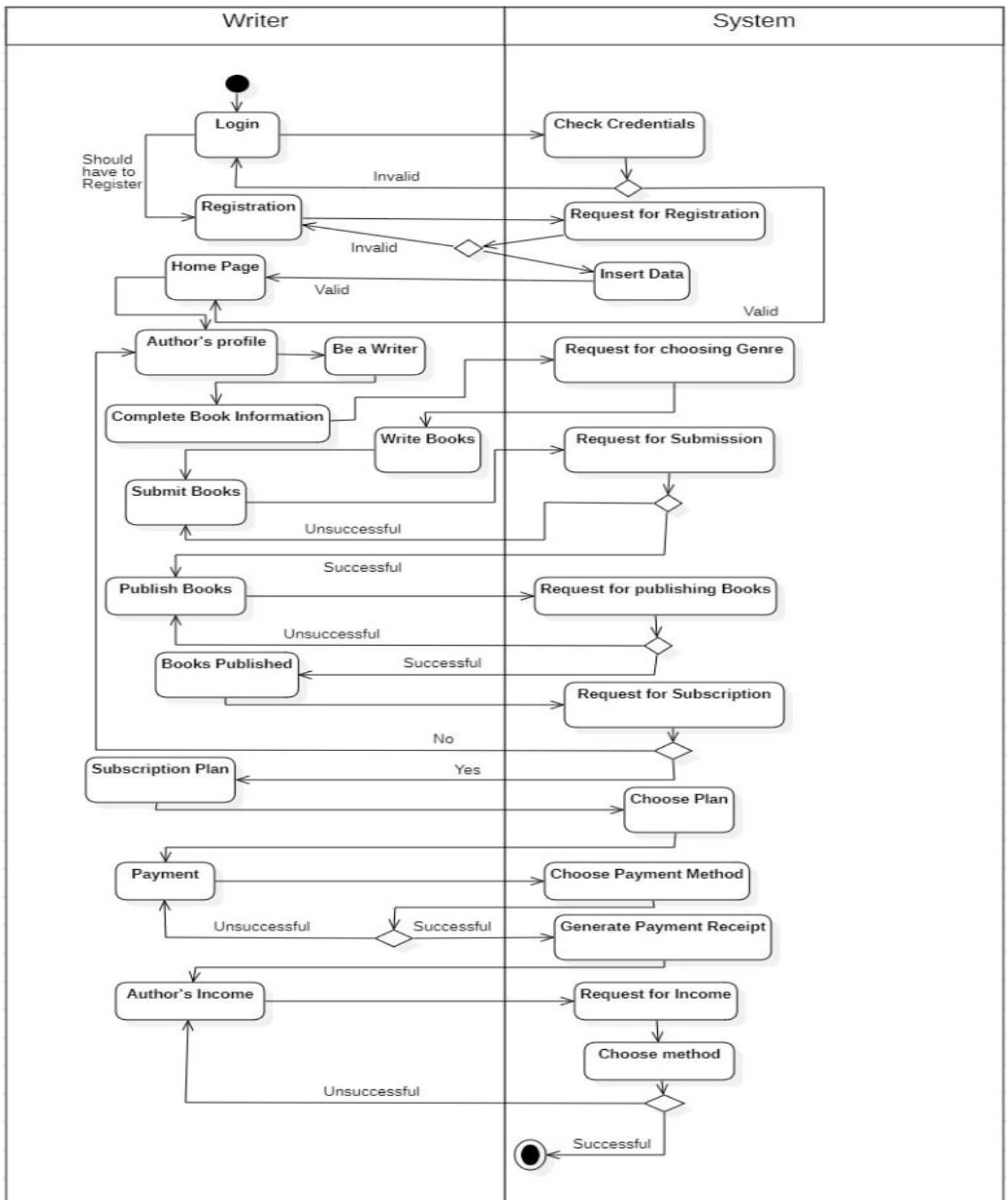
B.1] Level 1(User Side)

B.2] Level 1(Admin Side)

Data-Flow-Diagram: Admin Side

Admin

Request for Login → 1.0 Login → Check Credentials → Login

Response Home page ← Login ← Response ← Login

Request for access → 2.0 Manage Books → Check Database → Books Database

Response list of books ← Manage Books ← Response ← Books Database

Request for access → 3.0 Manage Users → Check Database → User Database

Response list of users ← Manage Users ← Response ← User Database

Request for access → 4.0 Manage Payments/ Subscriptions → Check Database → Subscribed Users

Response payment/subscriber's details ← Manage Payments/ Subscriptions ← Response ← Subscribed Users

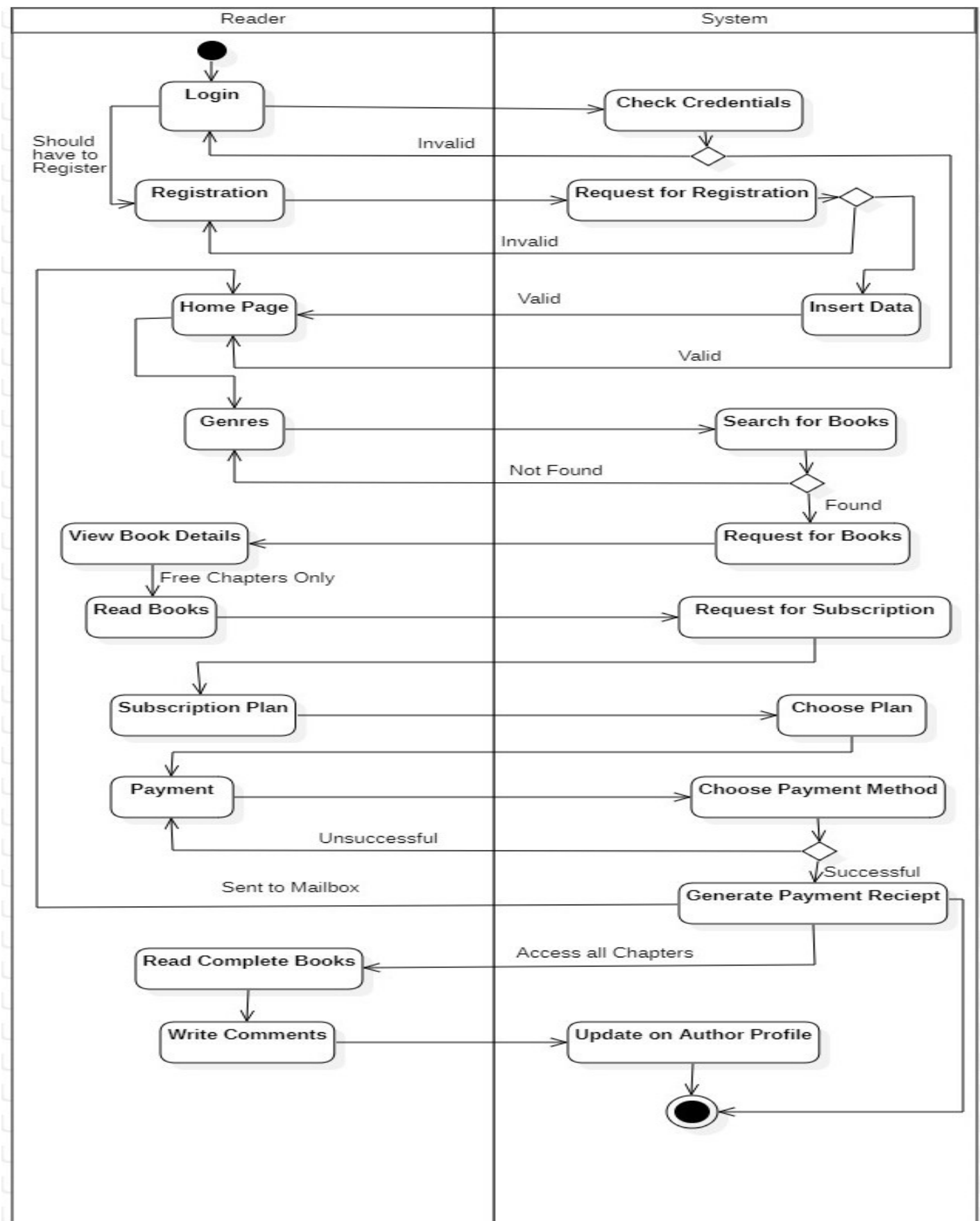## 3.6.4 Use Case Diagram

3.6.5 Activity Diagram

A] Activity Diagram(Writer)

B] Activity Diagram(Reader)

Chapter 4

SYSTEM MODULES

4.1 MODULES

Overall development of the project consists of many components. During the process of the project it is necessary that every segment that is being used should have more focus on it to implement it in a much better way. So the detailed process followed for making the project has been shown.

4.1.1 REGISTRATION MODULE

The registration module provides the framework for entering data for the users in a way that eases data entry and accuracy.
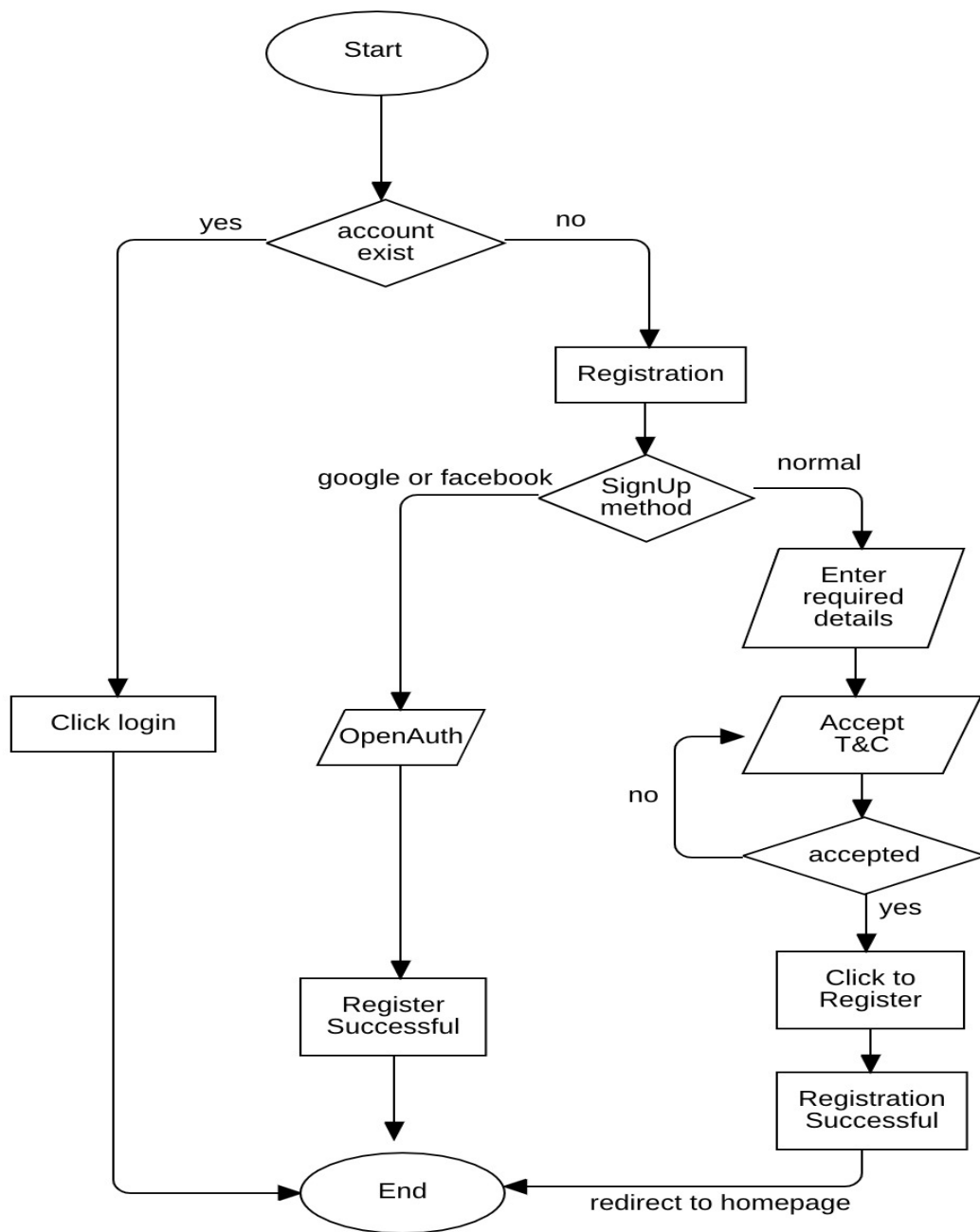
- Algorithm :-

    STEP 1: The user needs to provide all the required information given in the registration module.

    STEP 2: During signup, you have the option to use open authentication (Google) or manually input your full name, email address, and a secure password, which must be confirmed for account security. Remember this login information for future use.

    STEP 3: Upon completing the previous steps, click the "Register" button. This action will store your user details in the database and display a pop-up message confirming the successful creation of your account. You will then be redirected to the login page.

    STEP 4: If you are already a registered user or have an existing account, a button will be provided to access the login module, which will redirect you accordingly.

- Flowchart

Start

yes ← account exist → no

Registration

google or facebook ← SignUp method → normal

Click login

OpenAuth

Enter required details

Accept T&C

no

accepted

yes

Click to Register

Register Successful

Registration Successful

End

redirect to homepage

- Skeletal Interface

- Validations

Sr. no.	Inputs	Validations
1	Username	Required to provide name
2	User_Email_id	E-mail should follow standard E-mail format.
3	user_password	The password length must be at least 8 characters, strong, and match the credentials. Entered password and confirmed password must match

4.1.2 LOGIN MODULE

The login module is a portal module that allows the admin and user to fill in some details to continue the login process

- Algorithm:-

STEP 1: To log in, the user must have an account in the system, by which the user will be entering the username and password and click on "log in".

STEP 2: Users can directly SignUp by various accounts.

STEP 3: The user's provided credentials will be authenticated by matching records from the database.

STEP 4: If the credentials are matched a message as "login successful" will be displayed, else an error message will be displayed and the user needs to enter credentials again.

STEP 5: If the user has forgotten the password, then he/she needs to click on "Forget password?" then enter email or phone to get OTP and then enter the OTP received in the textbox provided.

STEP 6: If the user has not registered then to redirect to the register module user is supposed to click on "Register".

● Flowchart
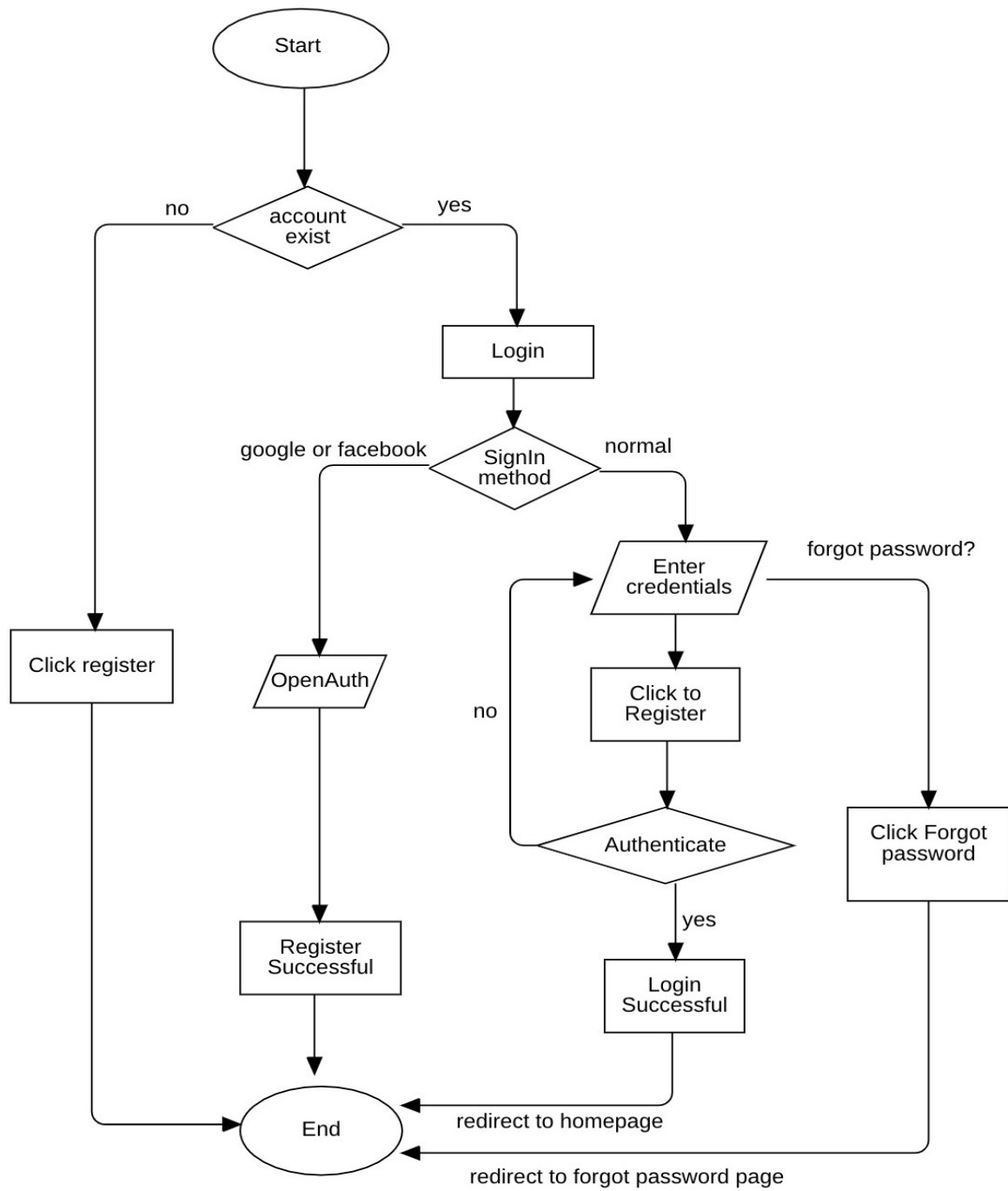
- Skeletal Interface

- Validations

Sr. no.	Inputs	Validations
1	Username	Required to provide name
2	User_Email_id	E-mail should follow standard E-mail format.

4.1.3 Search Module

Users as Reader will browse through websites for books and can search for books through Genres, Ranking System (based on popularity, numbers of reads, views and ratings.

- Algorithm:-

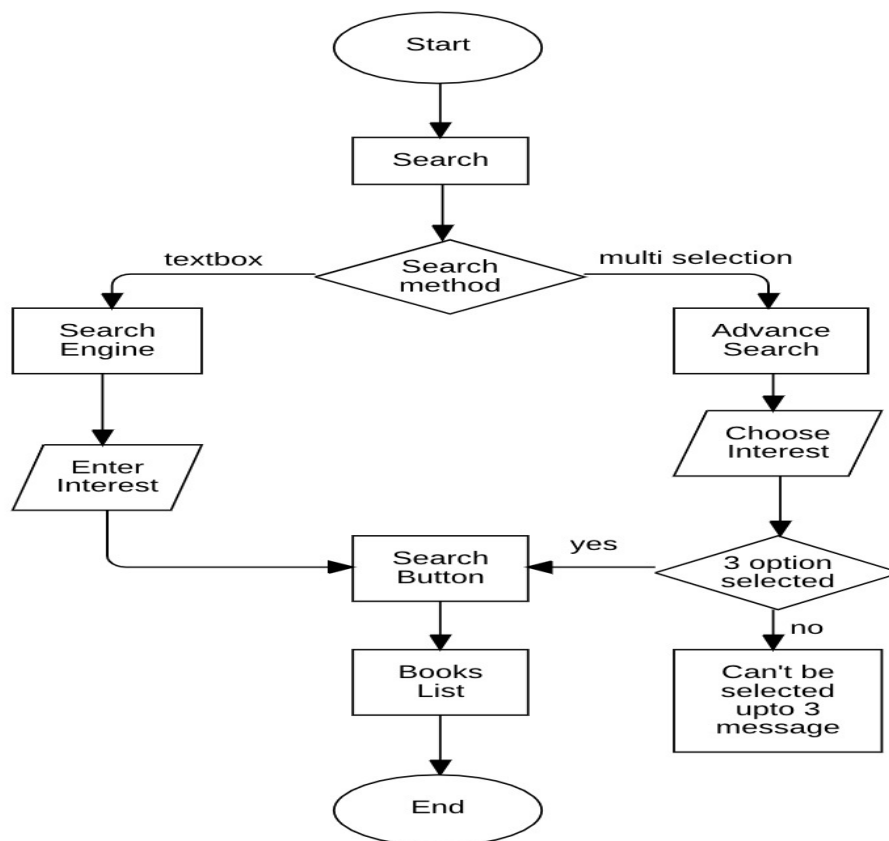STEP 1: Users will normally search for the books.

STEP 2 : Users can also search by Advanced Search by various suggestions.

STEP 3 : Users can select only 3 options.

STEP 4 : Selecting more than 3 options will display a message of can't be selected more than 3 options.

STEP 5 : After searching the book of list appears.

- Flowchart

- Skeletal diagram

Search

Advanced Search

setting [28]

| #system | #magic | #superpowers | #r18 |

| #urban | #myth | #mmorpg | #cultivation |

more

plot [23]

| #action | #romance | #adventure |

| #reincarnation | #overpowered |

more

character [21]

| #harem | #villian | #antihero | #devil |

| #righteous | #npc | #killer |

more

tone [13]

| #comedy | #invincible | #mystery |

| #fastpaced | #dark | #nocheats | #tragedy |

more

Up to 3 options can be selected

Search

4.1.4 PROFILE MODULE

Profile module gives functionality to users to edit their details by their own according to their choices whenever they want to do it. Users can edit their data like Username, Password, Email Address, Gender, Hometown, About, Reading Preference, Writing Preference.
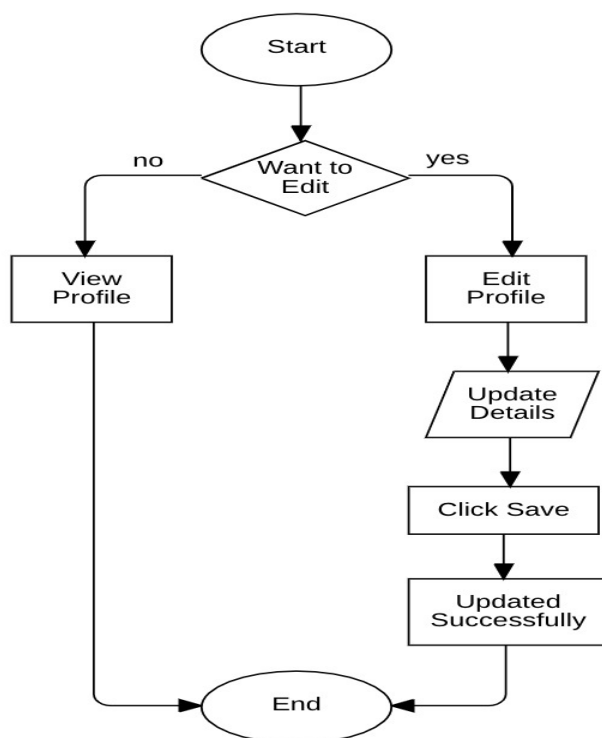
● Algorithm:

STEP 1 : Users can view profiles by clicking on view profile.

STEP 2 : To update the user profile, navigate to the "Edit Profile" section within the System.

STEP 3: Click on the provided "Edit" button next to each designated field that can be modified to make changes and save it.

STEP 4: The pop-up message will display after updating the details that were updated successfully.

● Flowchart

● Skeletal diagram


```
EDIT PROFILE                                    Save

                          ⌖◎

            A

       User Name

       | Enter a username                              |

       Username must be 3-18 characters (letters, numbers, and
       underscores)

       Gender                              Secrecy   >

       Hometown                           Global     >

       About

          Tell us something about yourself :D



       Reading preference                             >
       Choose your preference
```

4.1.5 SUBSCRIPTION MODULE

Subscription (monthly or yearly) allows users to to unlock the locked chapters and also allows the authors to publish their book after a specific limit of free Books published

● Algorithm:

STEP 1: User will click on the subscription button to take a subscription.

STEP 2: Users will choose a subscription plan.

STEP 3: User is expected to enter the card details carefully and click on the "Proceed" button.

STEP 4 : Then the entered details get verified and the system sends OTP.

STEP 5 : The user needs to enter the correct OTP without sharing it with anyone as well within the given time, or else the session gets expired.

STEP 6 : Once the OTP has been verified then the payment gets successful and the message will come subscription successfully and the user gets a payment receipt.

STEP 7 : If the payment is not successful then the user will click cancel and the payment canceled message will pop-up and will redirect the user to the payment and ask to enter the card details again.

- Flowchart
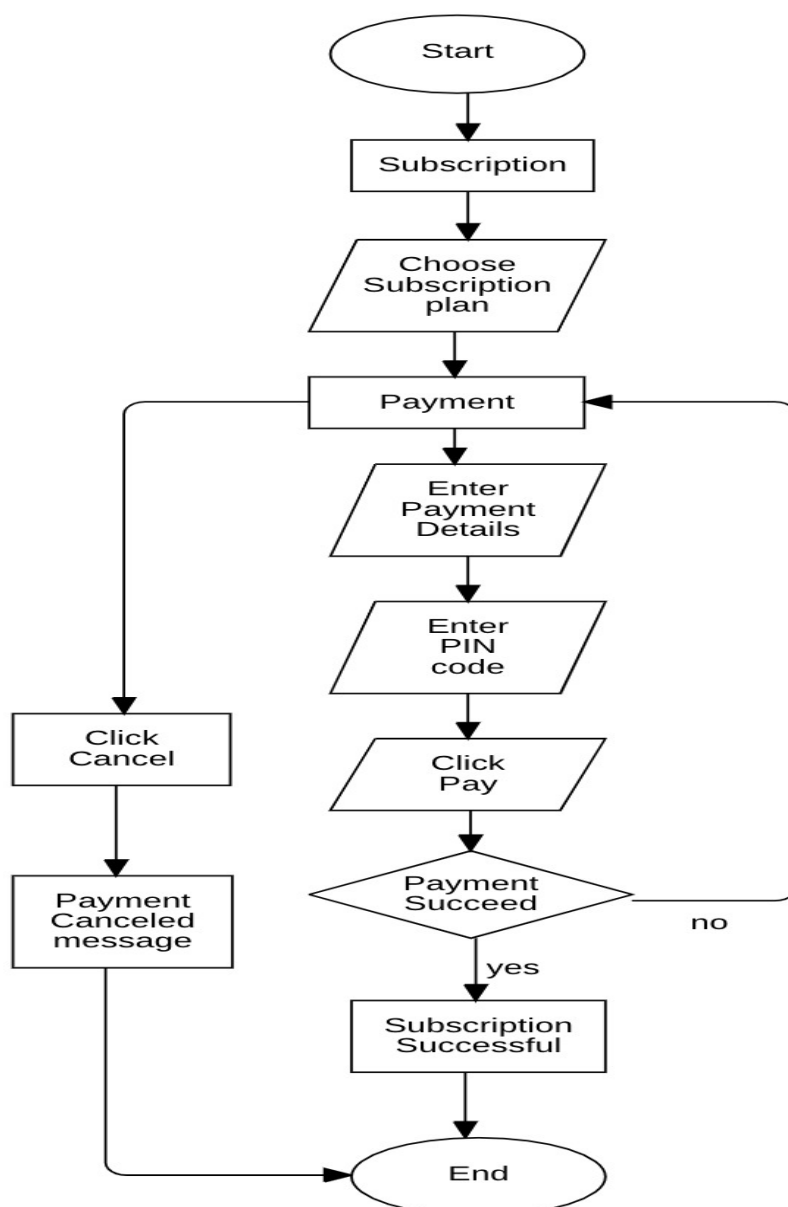
- Skeletal Diagram

Subscription

Username

Options

Monthly	Seasonly	Half-yearly	Yearly
₹ 320.00	₹ 1,150.00	₹ 2,300.00	₹4600.00

Limited Time Package

Details of Subscription
1. After Subscription is purchased, it will become effective in 24 hours, allowing you to enjoy the benefits of Subscription.
2. Subscription benefits can be used for one account across the platform.
3. Subscription expenses will be deducted by Google automatically. If the deduction is successful, Subscription will be extended.
4. Subscription's actual deduction is decided by Google. Weekly subscription is effective for 7 days. Monthly subscription is effective for 31 days.
5. For existing subscribed users, after purchasing a Subscription, the newly purchased Subscription will take effect immediately the next day. After expiry of the newly purchased Subscription, Subscription will be reverted to the original subscription until expiry.
6.Click here to manage your subscription
Read our Terms of Service and Privacy Policy

₹ 320.00
1st month special

Billed (Monthly) Cancel anytime

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