



Easy Publications

SYSTEM ANALYSIS & DESIGN LAB REPORT

System Analysis & Design | CSE-3412 (Sec: B)

Submitted To

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1. Introduction

Easy-publishing is the act of publishing media, especially a creative works of art, as the author or artist, without the use of a publishing house or company. Easy publishing is commonly referred to in the author and book publishing industry, but people can self-publish other works of art, such as music and visual art. In terms of Easy-publishing a book, an author writes a book and complete the entire publishing process themselves, such as editing, designing, and formatting the book without the aid of a traditional publishing company.

- **Motivation**

Our motivation is to create an easy and hassle-free System for publishing industry, where writers, publishers and printers are all able to get a fair monetized book publishing process.

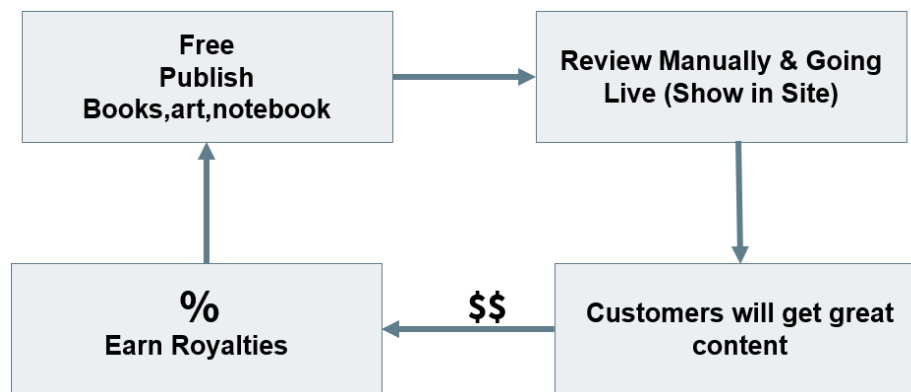


Fig: Basic Overview of the Easy Publications System

2. Benchmark Analysis

- Benchmark Services

- Amazon (KDP)
- Lulu
- Kobo
- Barnes & Noble Press

- Benchmark Chart

Features	Amazon (KDP)	Lulu	Kobo	B&N Press	Easy Publication
Categories	Y	Y	Y	N	Y
Publisher Book List	Y	Y	Y	Y	Y
Search	Y	Y	Y	Y	Y
Advertisement	Y	Y	Y	Y	Y
Pre-Order	Y	N	Y	N	Y
Preview	Y	Y	Y	Y	Y
Technical Help	Y	Y	Y	Y	Y
Rating Book	Y	Y	Y	Y	Y
Online payment	Y	Y	Y	Y	Y
Cash on delivery	N	N	N	Y	Y
Buy Cover Page	N	N	N	N	Y
Book Upload	Y	Y	Y	Y	Y
Audio Book	N	N	Y	Y	Y
Review	Y	Y	Y	Y	Y
Cancel Order	Y	Y	Y	Y	Y

3. Feature List

- **Client Features**

- **Login/Registration**

Users will be able to register and login with their credentials

- **Category**

Various categories will be available to the users to browse/search books.

- **Sorting & Searching**

Users will be able to search for books and sort by metric of popularity, price, date published, etc.

- **Manage Book Orders**

Users will be able to pre-order books of their favorite authors/publishers. Any orders made can be canceled before the delivery.

- **Rate/Review Books**

Users will be able to rate the books they have purchased and leave their reviews on the books.

- **Preview Books**

Users will be able to preview the books they are interested in, as a means of sampling the book.

- **Publisher Features**

- **Report**

In this segment, the Publisher can see all the details of his book like sales, reviews, rating etc.

- **Community**

In this segment, Every Publisher can connect with each other and chat.

- **Marketing**

In this segment, Publishers can Promote their book to sellers.

- **Technical Help**

In this segment, publishers will get all sorts of technical help for 24x7.

- **Buy Cover Page**

this segment, Publishers can buy book cover or order book cover according to their preference

- **Book Upload**

In this segment, publishers will upload their book to features on our website.

- **Bookshelf**

In this segment, publishers can see all of their books with short details

- **Admin Features**

- **Block**

Admin can block any books for any violation or breaking rules.

- **Review**

After uploading books, book will live under the review process.

- **Payment Control**

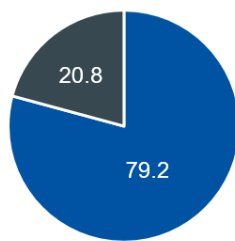
Admin can handle any payment issues that faced by customers & publishers

4. Feasibility Analysis

- **Methods of Data Collection Used**

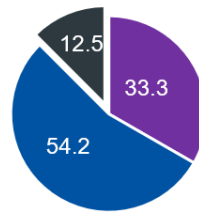
- Data from the survey participants were collected and analyzed using Google Forms.
- Participants were requested to fill out the online forms and submit their responses.
- All data collected were recorded with the consent of the survey participants.

Responses By Gender



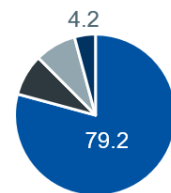
■ Male ■ Female

Responses By Age Groups



■ 18-22 ■ 22-28 ■ 28-32

Responses By Occupation



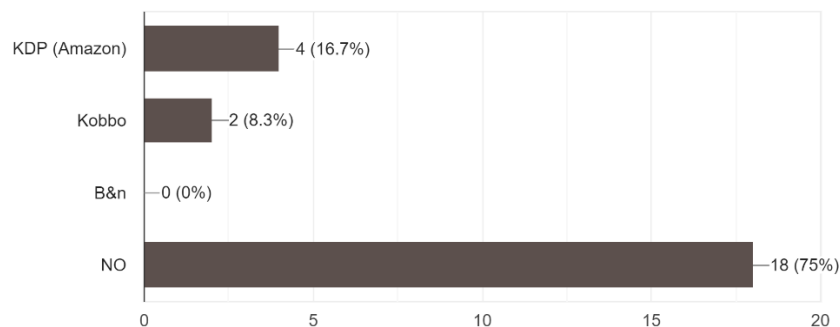
■ Student ■ Service Holder
■ Teacher ■ Writer

Fig: Analysis of Responses

- **Reception & Responses to Questionnaire**

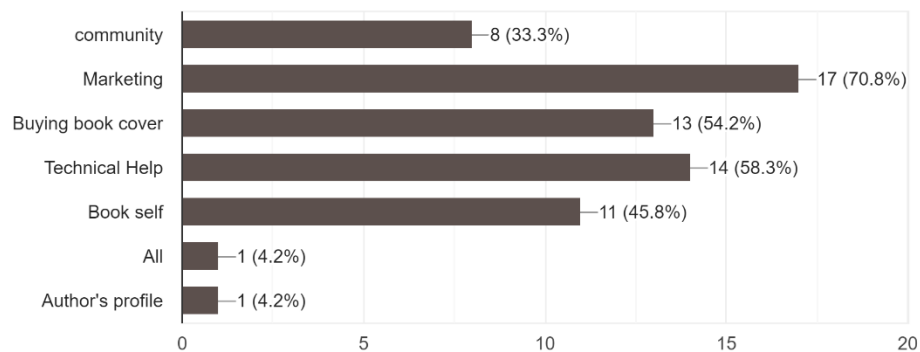
Did you use any Publishing app or website ever? if Yes please select the appropriate one else select No.

24 responses



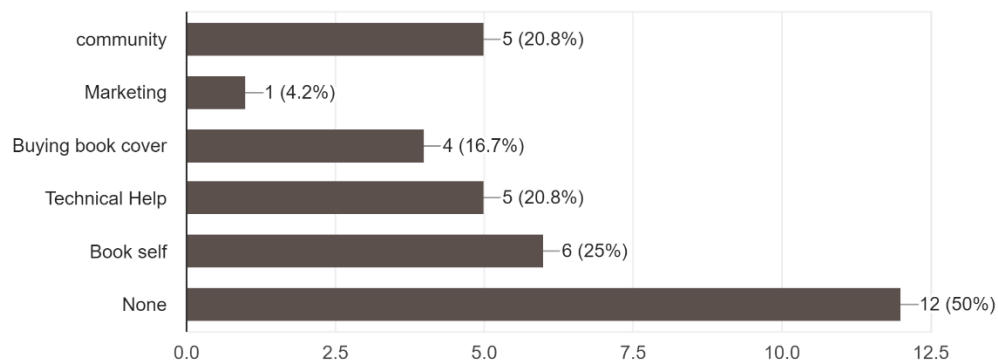
Tick features you would love to see in our website as a publishers or authors ?

24 responses



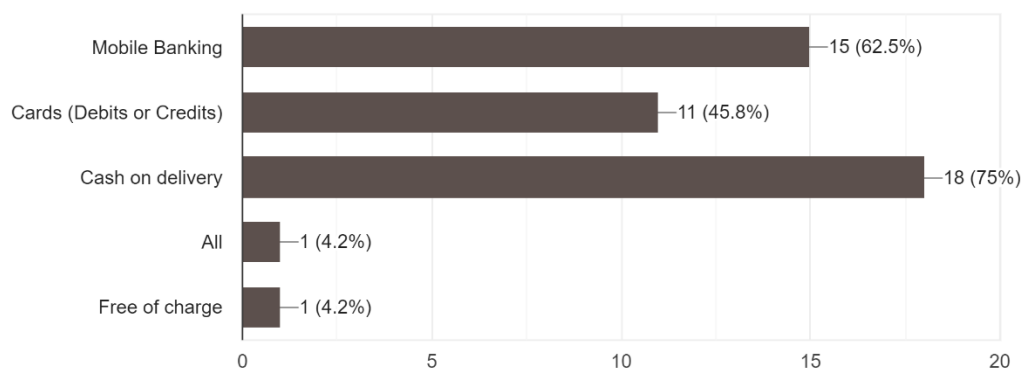
Which feature we don't need to include in our website?

24 responses



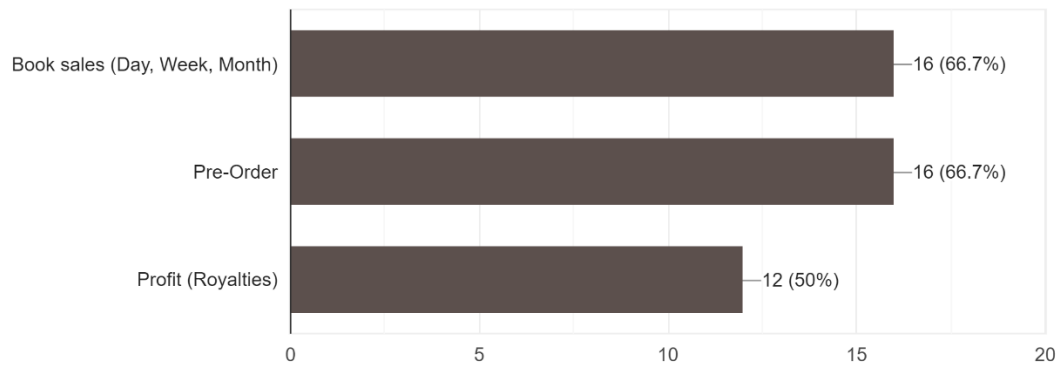
Which payment method do you prefer as a Publishers/Clint ?

24 responses



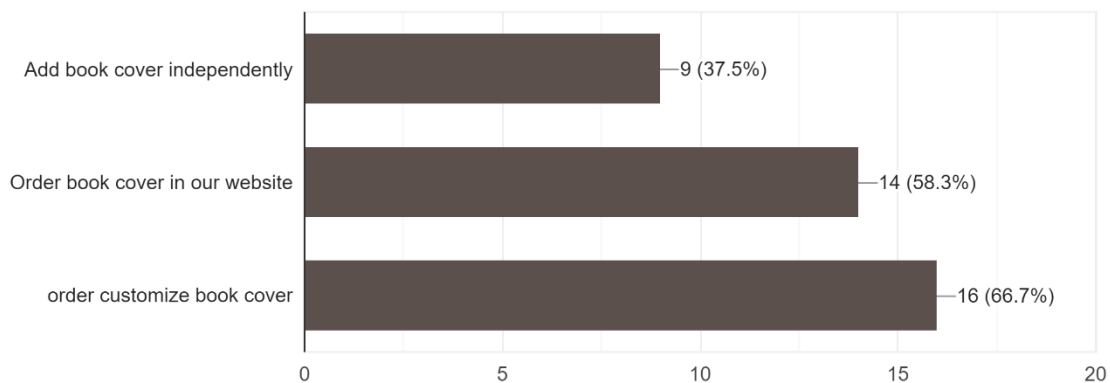
What type of features do you expect from Report section as a publishers?

24 responses



In Book cover Section what type of service do you expect? (AS a Publishers)

24 responses



• Finalized Feasible Features

- Audio Books
- Technical Help
- Online Payment
- Pre-Order
- Sorting & Searching
- Book Cover
- Book Orders

- Discarded Features

- Community
- Book Shelf
- Preview Options

- SWOT Analysis

Strengths	<ul style="list-style-type: none"> • Hassel free publishing System • Without a single penny anyone can publish anything under the terms and condition • Ensuring better content 	<ul style="list-style-type: none"> • Not great at details (like grammar and punctuation) • Slow production (a book can take over a year to publish) 	Weaknesses
opportunities	<ul style="list-style-type: none"> • Opportunity to become the market leader • Has low barriers to entry • Great earning source for our society. 	<ul style="list-style-type: none"> • Traditional publishers' punishing terms may lead to loss of authors to more attractive alternatives. • Amazon becoming more monopolistic • numerous books on the market for similar topics 	Threats

Fig: SWOT Analysis Table

5. UML Diagrams

- Use Case Diagrams

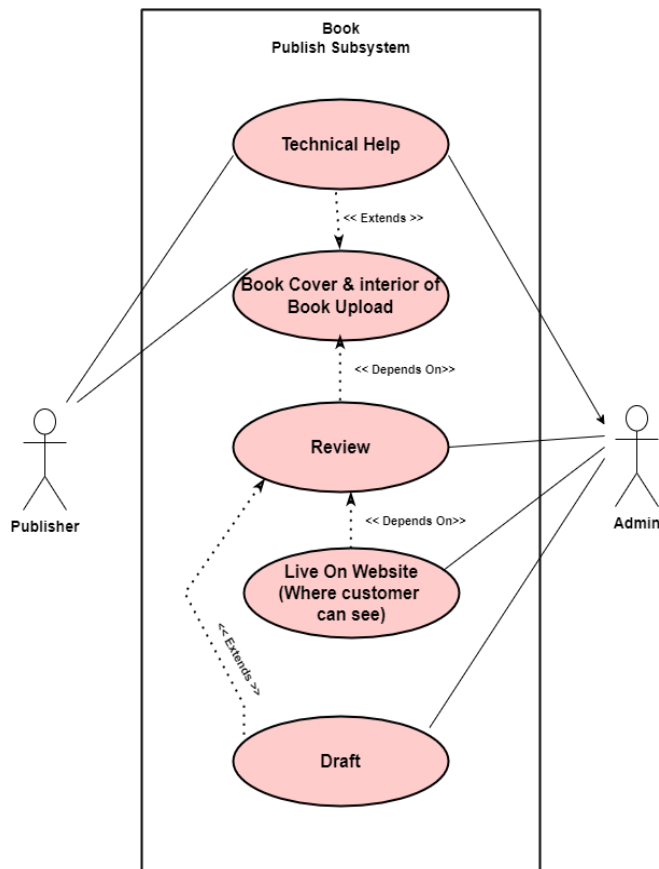


Fig: 01

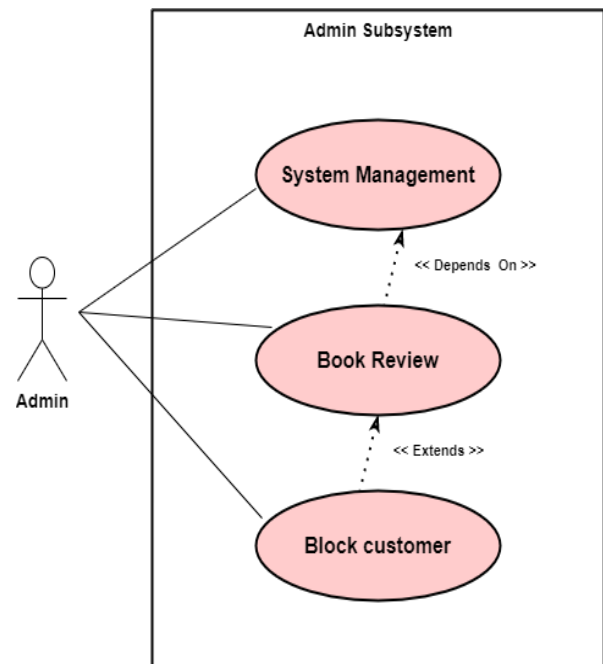


Fig: 02

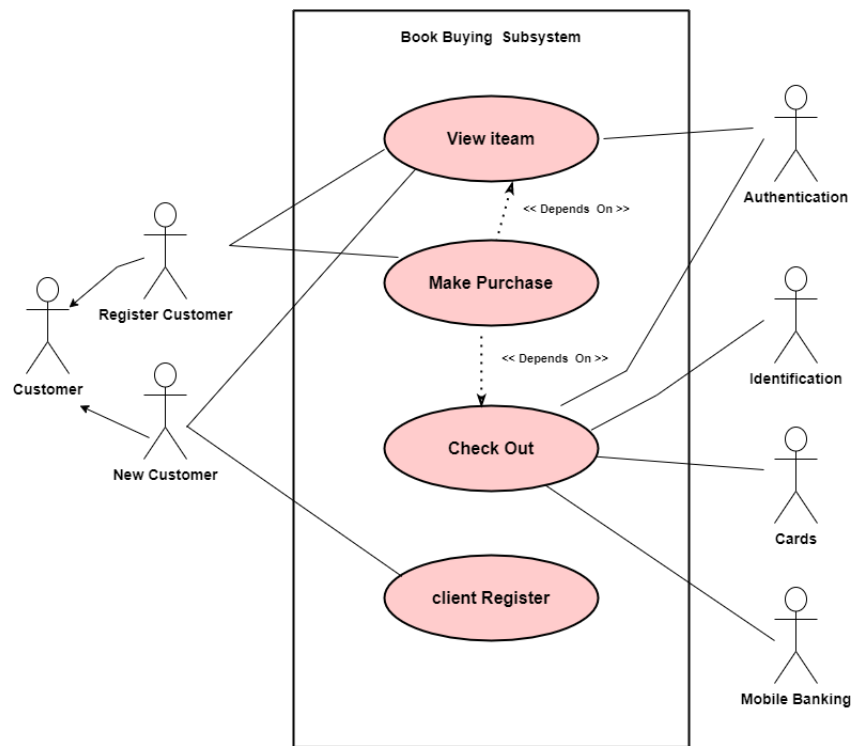


Fig: 03

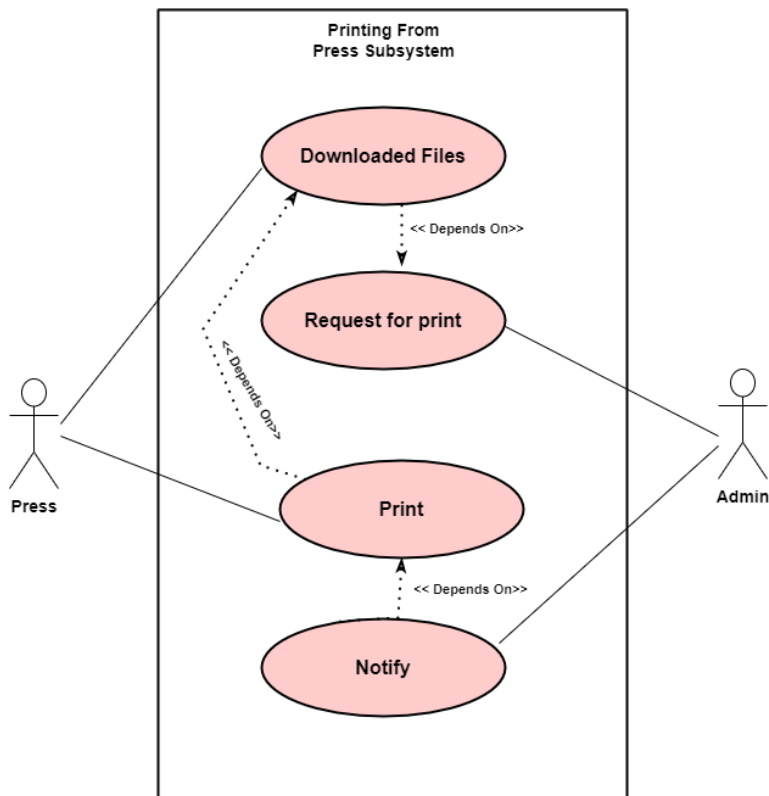


Fig: 04

- Use Case Descriptive Form (Admin)

USE CASE: Book Buying Process

PRIMARY ACTOR: User, Mobile Banking Authority

STAKEHOLDERS & INTERESTS:

User: Choosing and Buying book

PRE-CONDITION:

1. User should be logged in

POST-CONDITION:

1. User's purchase gets added to their shelf
2. The changes are made in the Database
3. Money has been successfully transferred to banking authorities

MAIN SUCCESS SCENARIO:

1. User searches and chooses a book from the list of books available within the system
2. User previews the sample pdf of the book provided by the author/publisher.
3. User adds the book to cart and proceeds to checkout
4. User sets up payment, according to their choice.
5. The invoice is sent to user, and the book is added to their collection, and the changes are updated in the database.

ALTERNATE SCENARIO:

1. System may not respond
Solution: Wait for system to respond.
2. User may wish to cancel order
Solution: Make no changes to database, and return user back to homepage
3. Payment System may not respond
Solution: Contact help desk

ISSUES:

1. If payment failed, show error message to user

- Activity Diagram

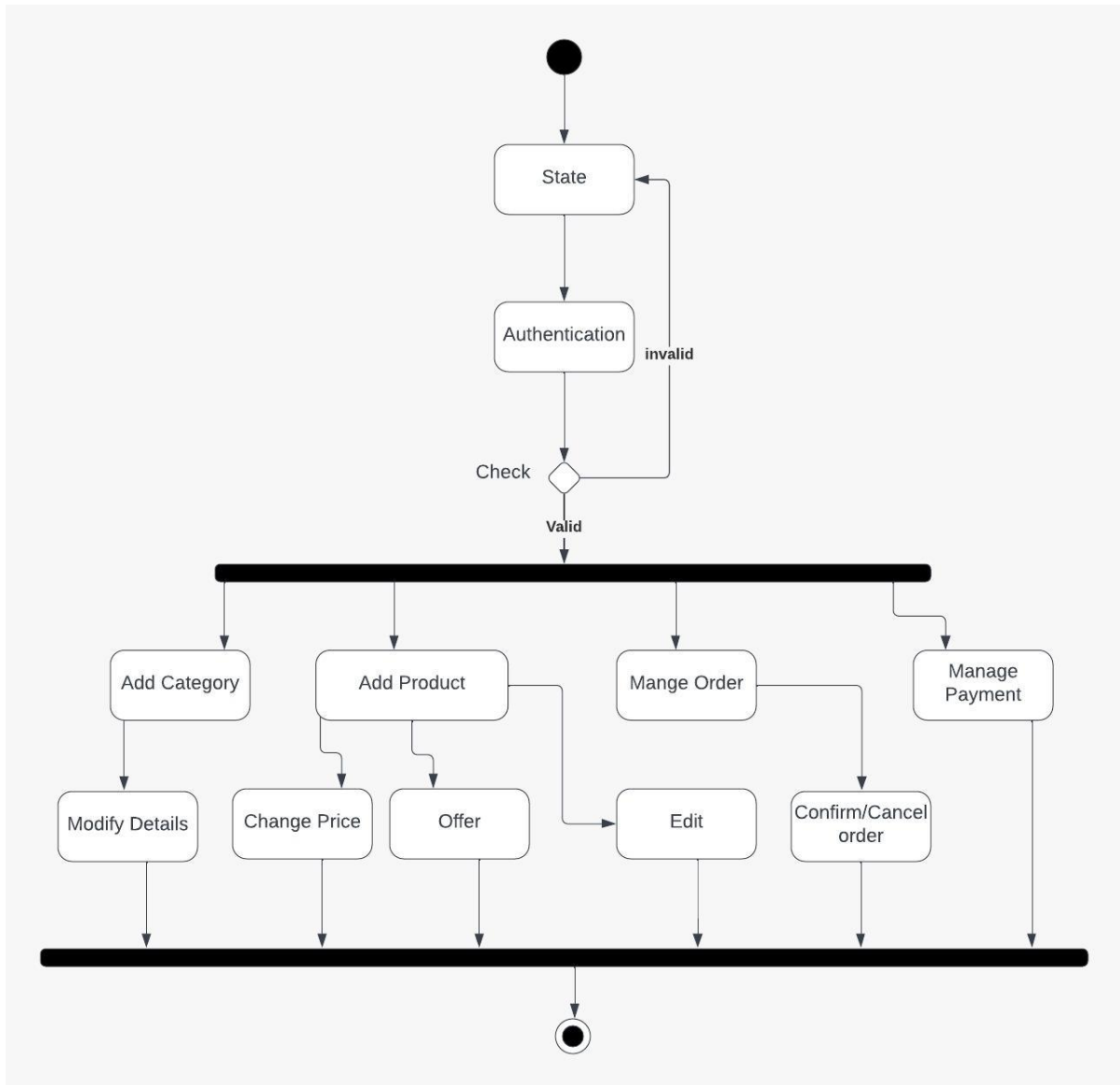


Fig: Activity Diagram (Admin)

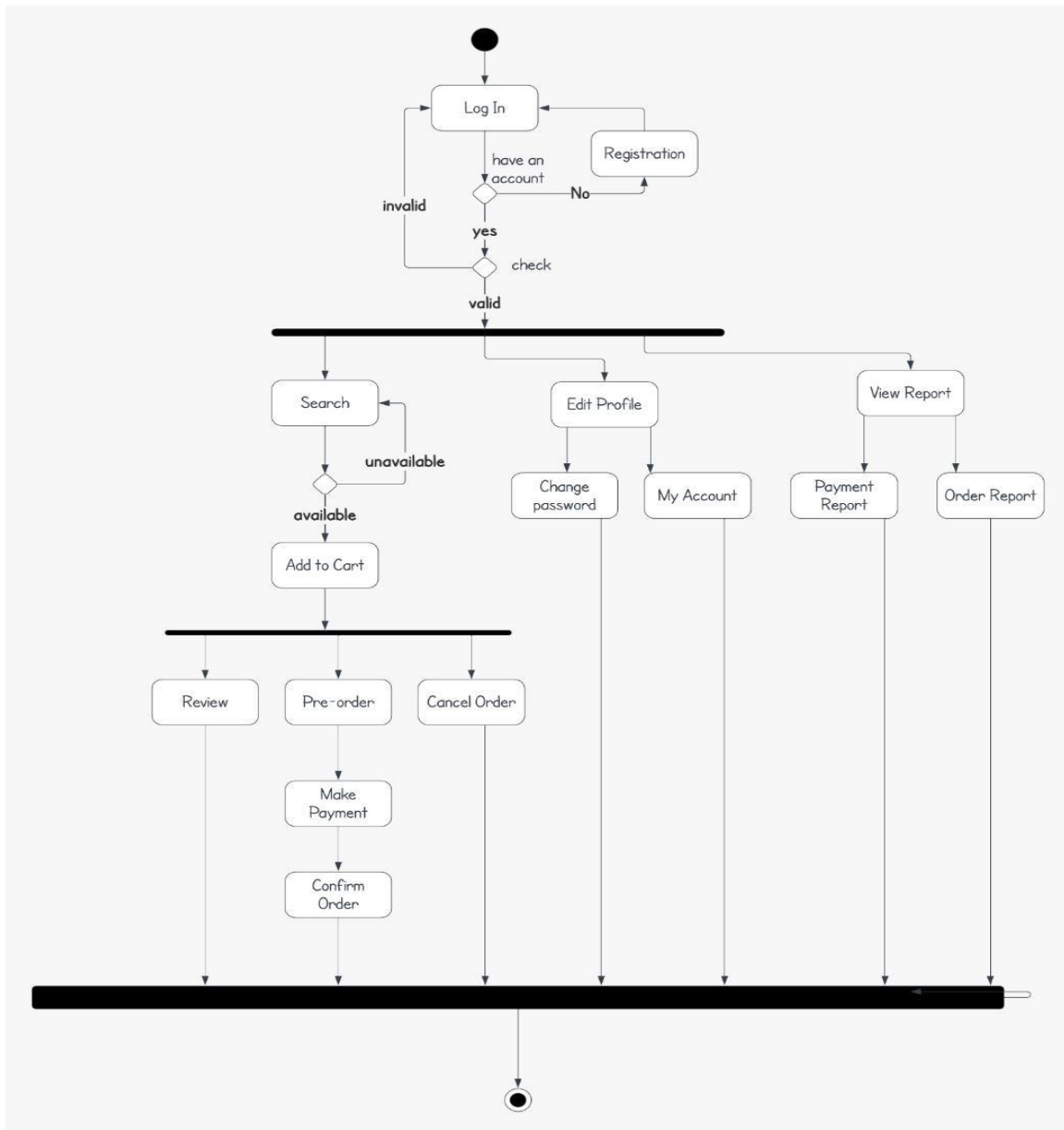


Fig: Activity Diagram (Client)

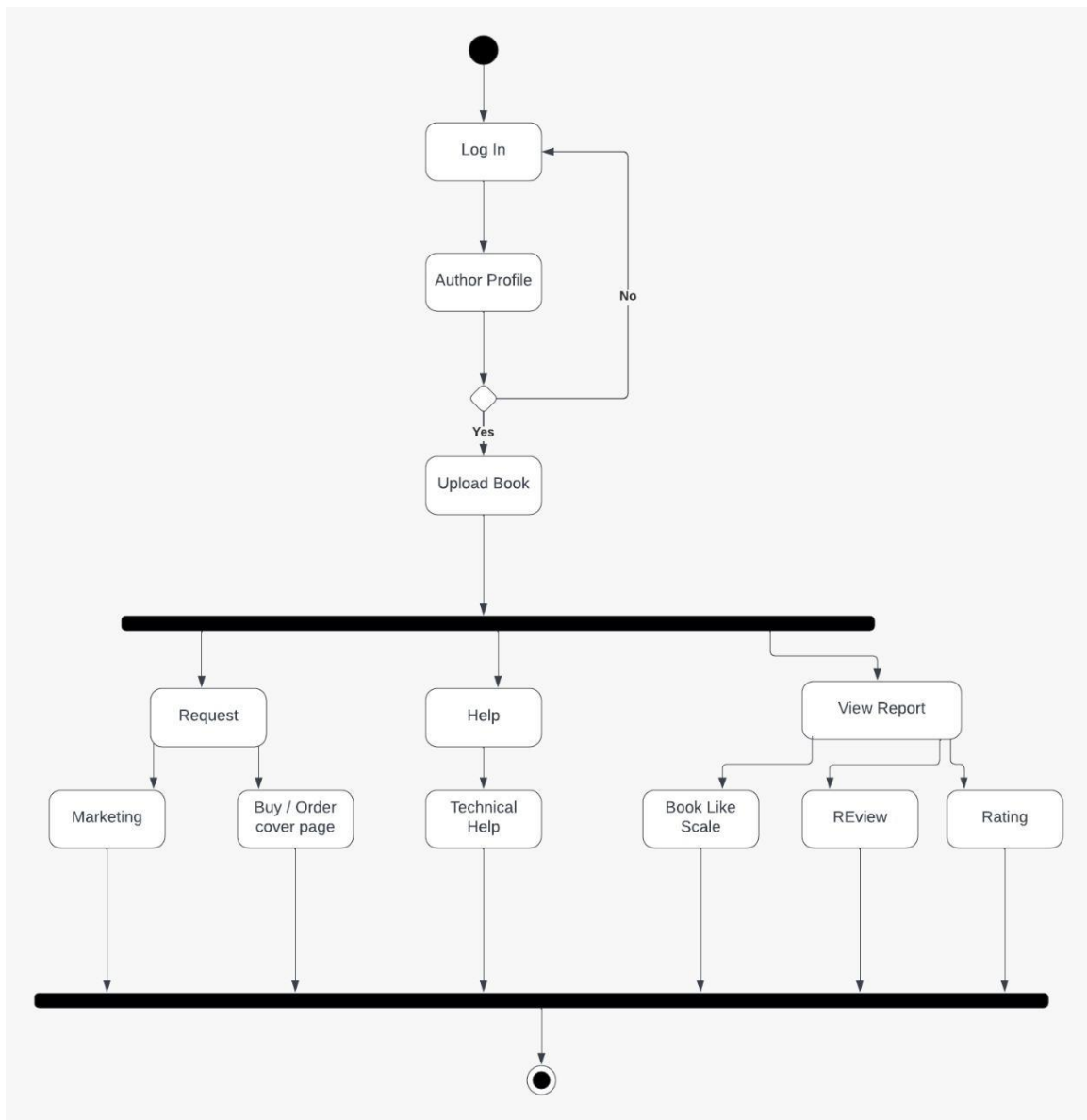


Fig: Activity Diagram (Author)

- Data Flow Diagram

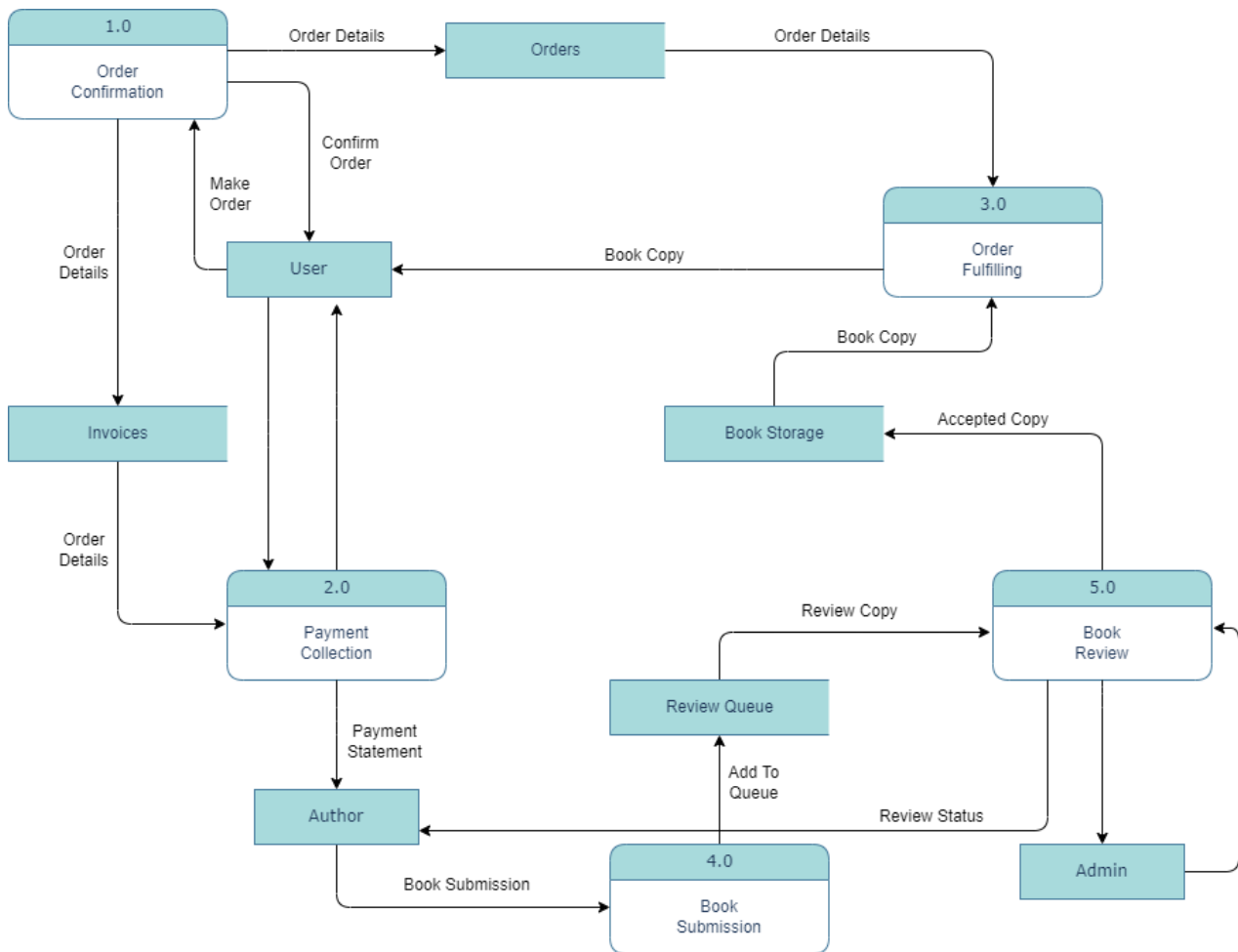


Fig: Data Flow Diagram

- ER Diagram

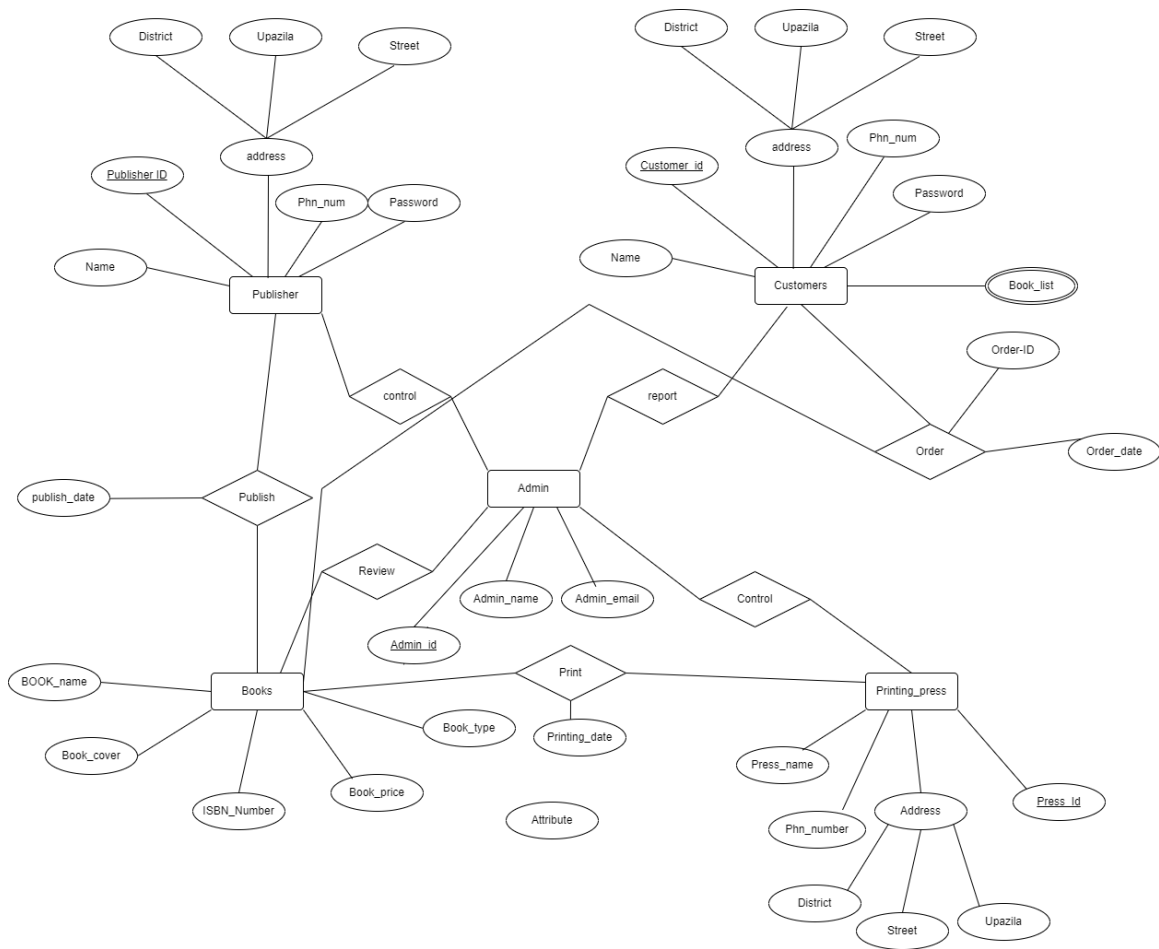


Fig: ER Diagram

6. Gantt Chart

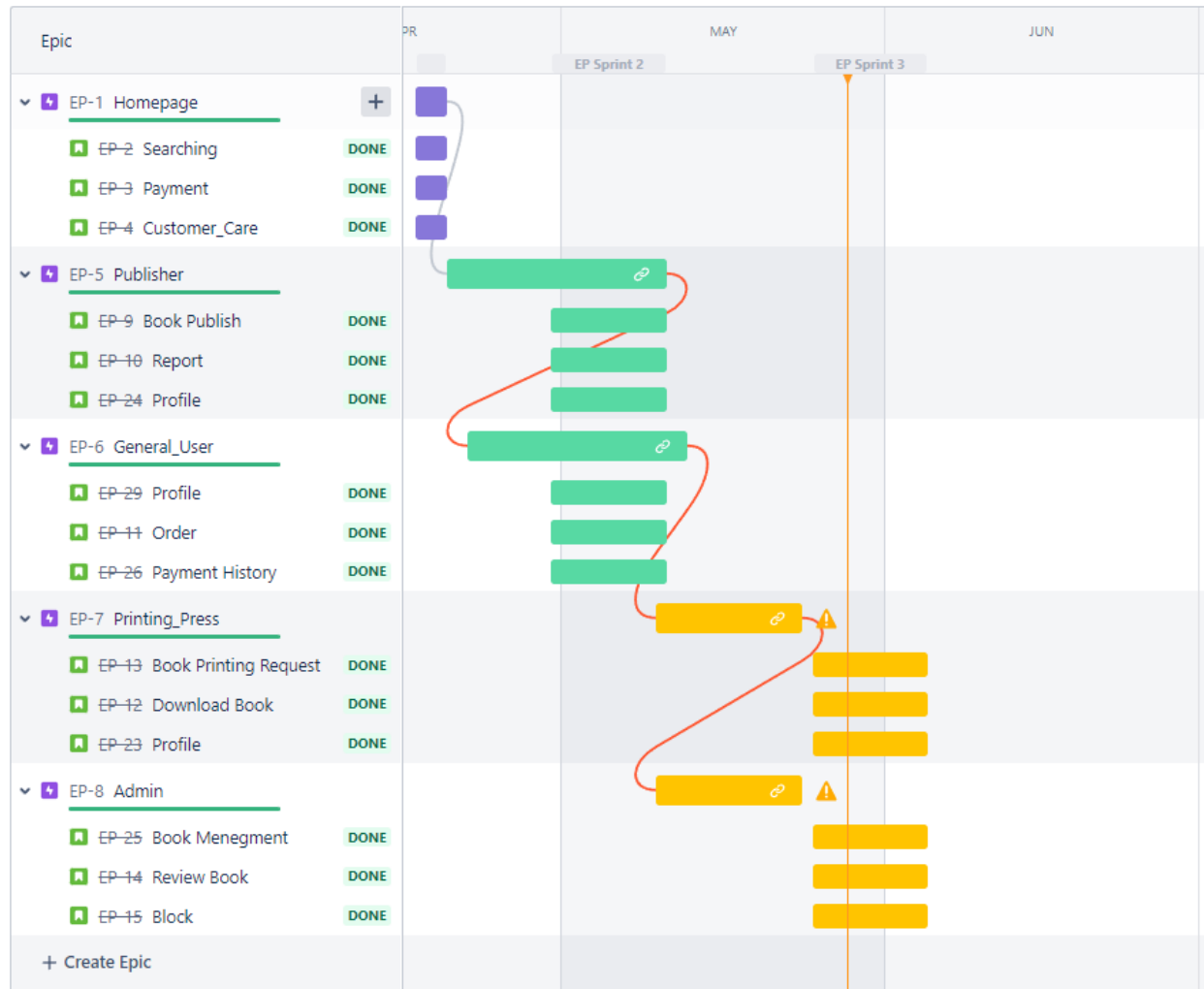


Fig: Gantt Chart taken from Jira Software

7. Screenshots

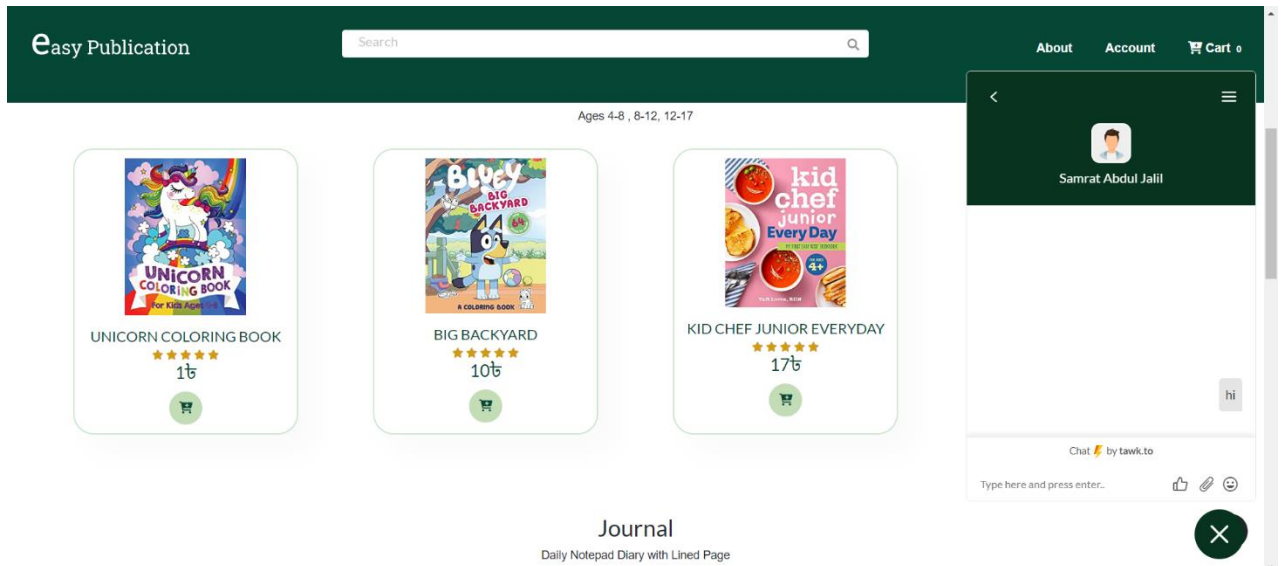


Fig: Home Page

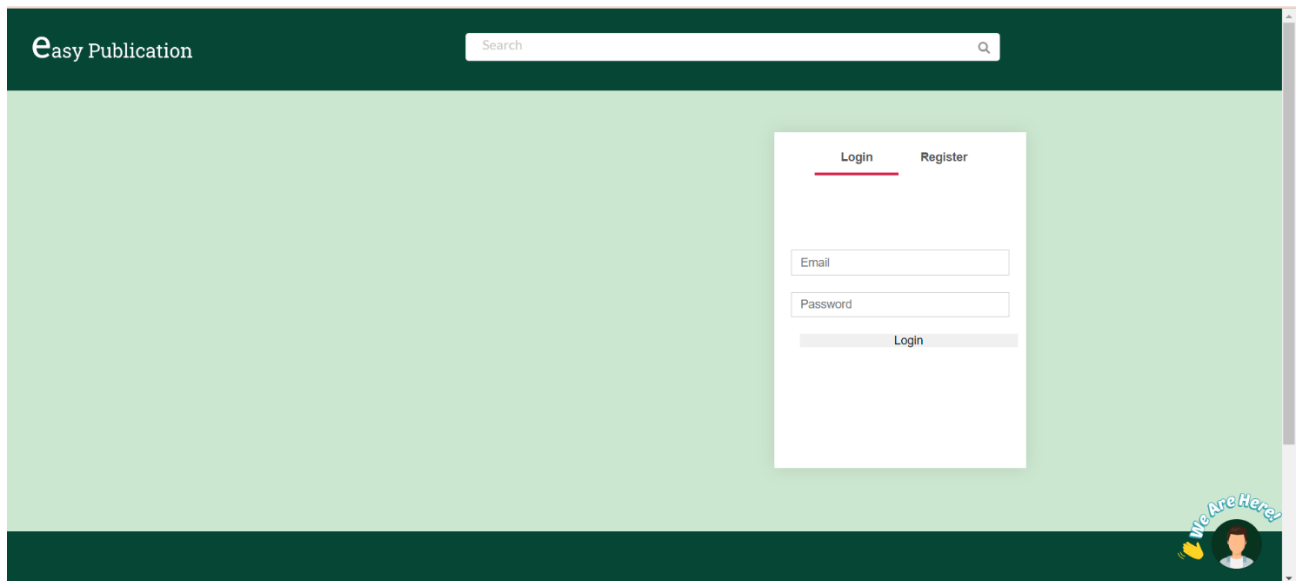


Fig: Registration

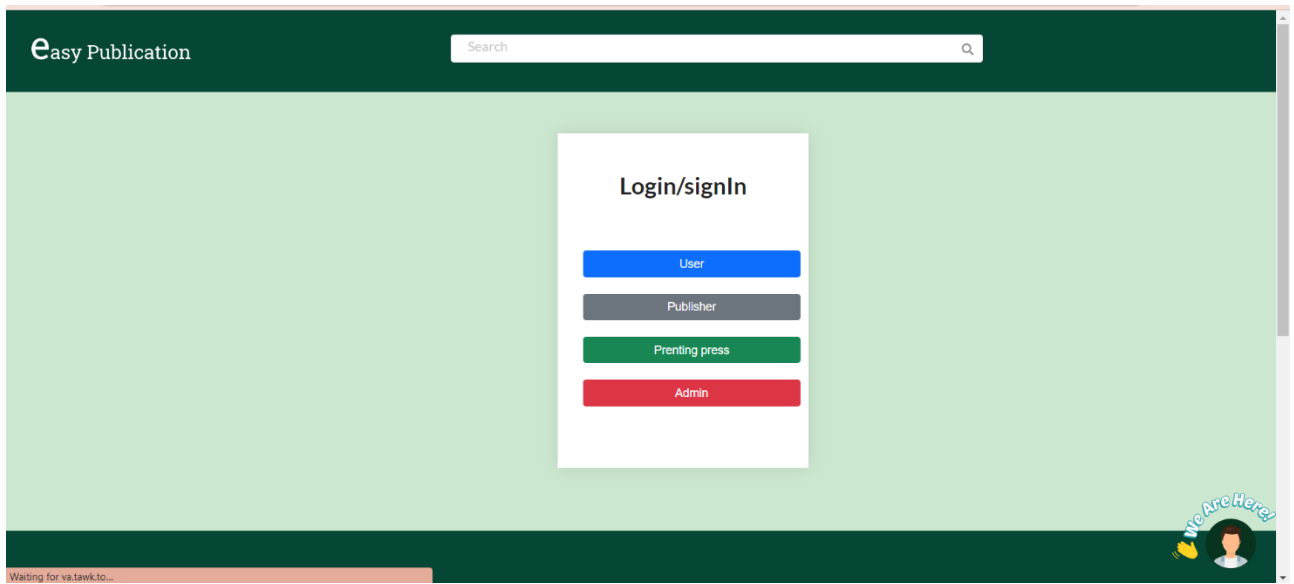


Fig: Login Page

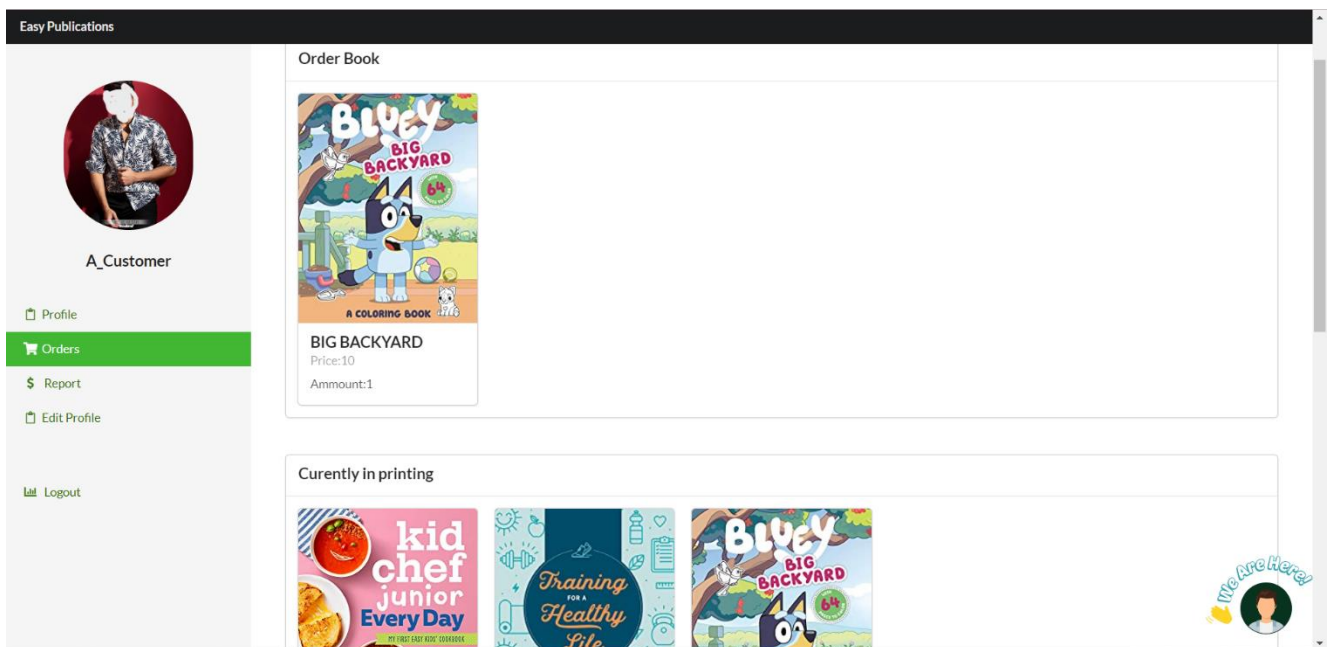
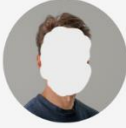


Fig: User Dashboard

Easy Publications




A_publisher

- Profile
- Payment details
- Selling details
- Book Upload
- Book status**
- Edit Profile
- Logout


My Book List

Submit For Review


Published Book




UNICORN COLORING BOOK
For Kids Ages 4-6
Price:1



BIG BACKYARD
A COLORING BOOK
Price:10



KID CHEF JUNIOR EVERY DAY
Price:17



HOW TO DRAW
Price:20





Fig: Publisher Dashboard

Easy Publications



A_Admin

- Profile
- Review book
- Review report
- Update book Details
- Logout

Review

This report includes information about your payments. [Learn more about the Payment report](#)

Review ID	Book Title	book Price	catagory	Action
56	C++	20	Computer Science	Review




Fig: Admin Dashboard

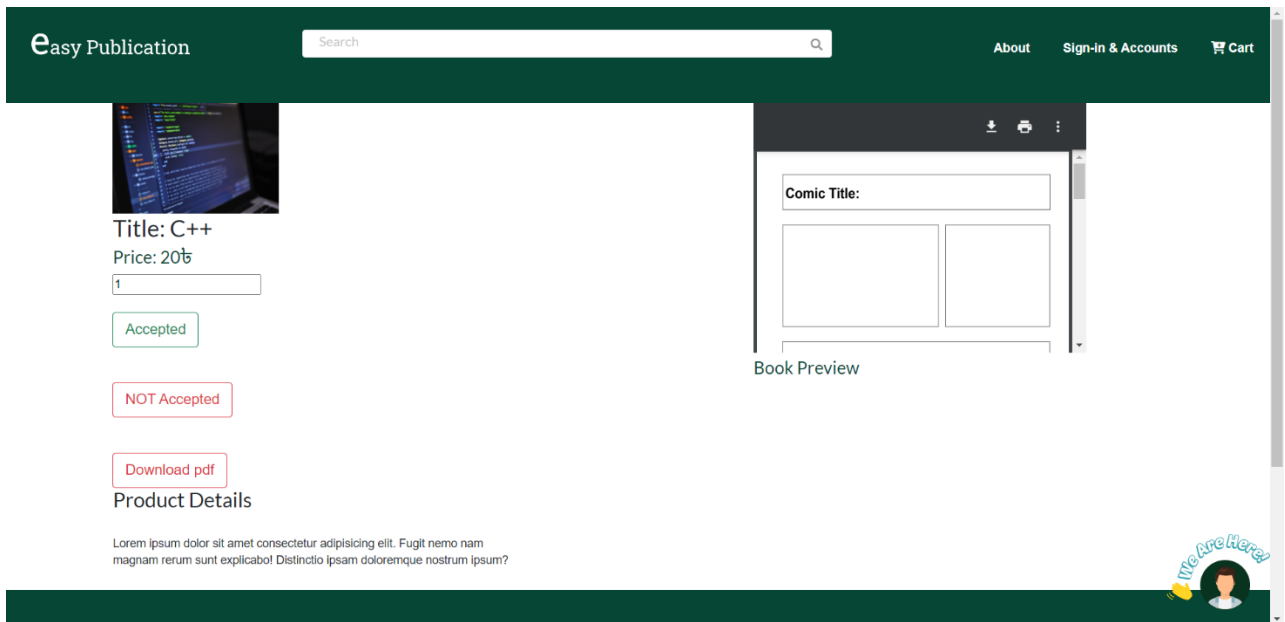


Fig: Book Preview

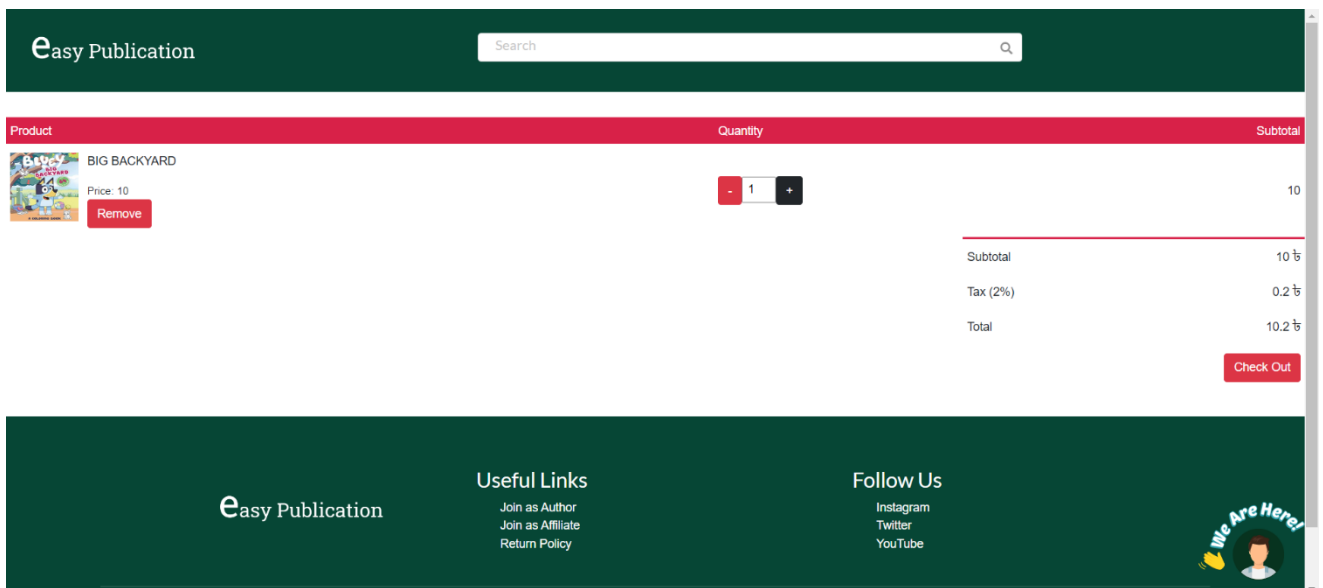


Fig: Shopping Cart

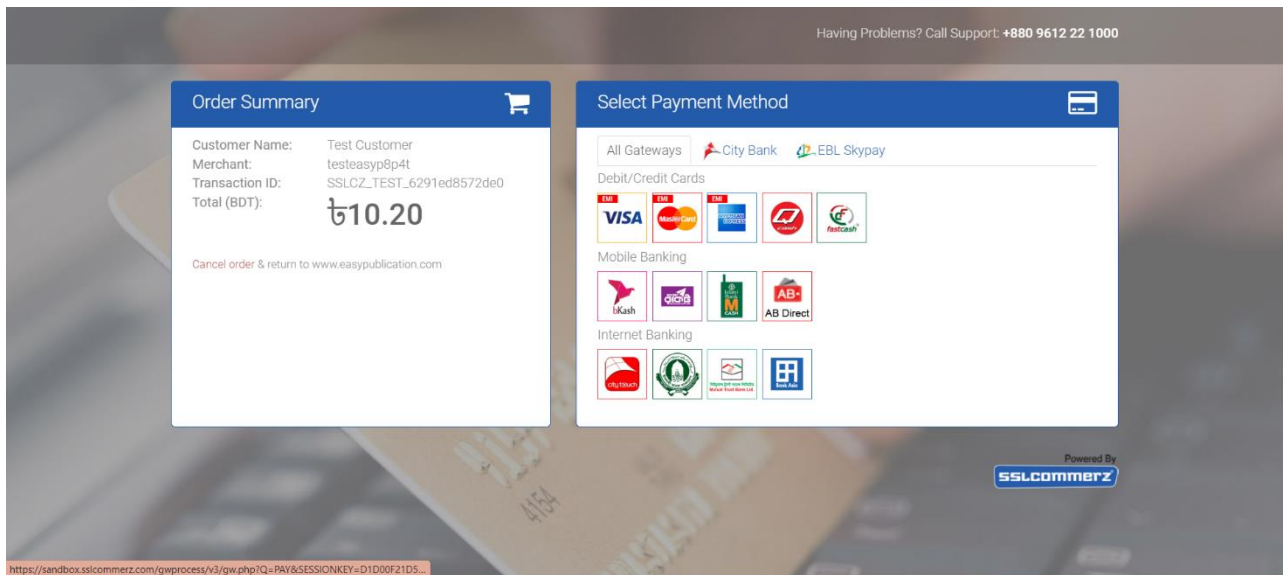


Fig: Payment System

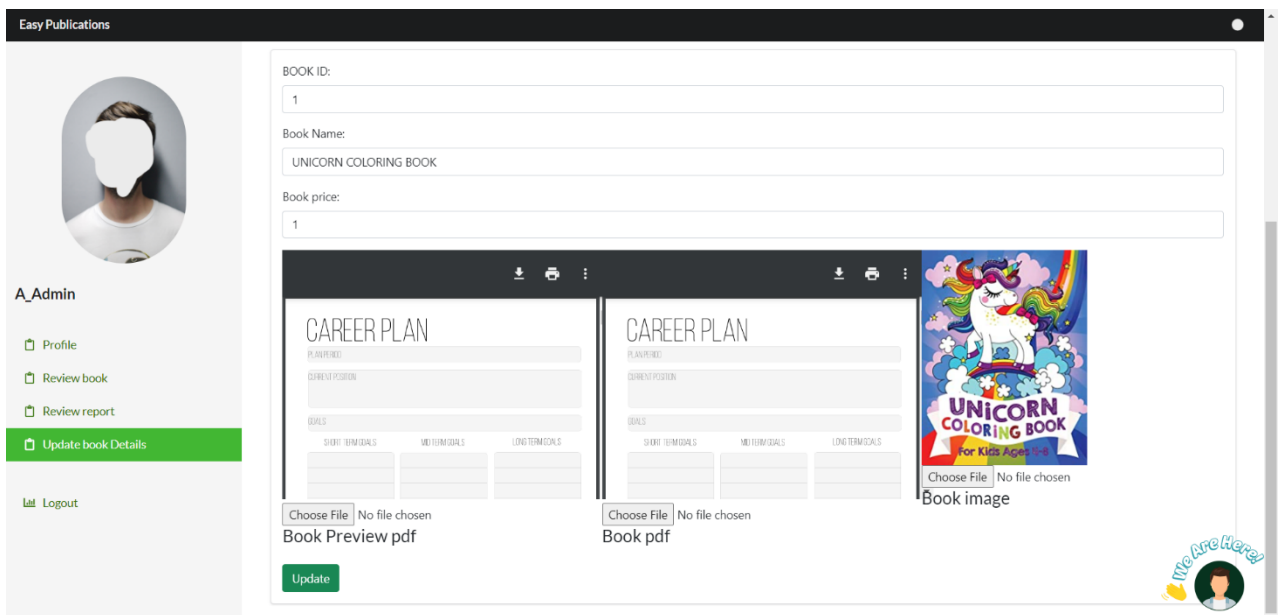


Fig: Book Updating & Cover Changing

8. Future Work

- Implement a marketing ad campaign system
- Notify Printing Press & Publishers
- Book Review and Comments
- Sorting and Categorizing within Client book collections

9. Project GitHub Repository

- <https://github.com/Samrat-Abdul-Jalil/easy-Publication>