

## **ACKNOWLEDGEMENT**

Assalamualaikum w.b.t

First and foremost, I would like to thank the almighty God blessing and also guiding in order for me to through the moment in preparing and completing this assignment about develop a system.

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Apart from that, I also would like to thanks website Kedai Buku for the good service and provide the information about my assignment. Other than that, I also would like to thank to my parents and gratitude to my friends and respondents for the support while I doing this assignment. Without them, I cannot finish this assignment like what I want.

Last but not least, I wish to appreciate all parties for the support whether directly or indirectly and the co-operation in conducting this task. From this assignment I more understand and know about develop a system.

## **1.0 INTRODUCTION**

Books are very important because they show pathways in life. Nowadays many persons are lazy to buy book from shop and they rather like to buy in online shopping because it make their work become easy. By having this system it will help user to overcome the problems that face by many persons about reader lazy go to shop to buy the book and many reader turn to e-book and others.

Smart OPAC is the system that provide book store and have many book inside that. This system can search the by title which mean title of the book. In order to check the books that you want have inside this system or not, user can use function search. By having function search, it can ease user work rather find the book one by one. It is a friendly used system where the user can be easily understand how to used this system.

The function that have in this system for user are books, book details, cart and purchase. For books, it mean user can just browse or explore the books that have inside this system without searching. Which mean user don't know what the book that need to purchase for them. By having this part, it can make user explore first before they buy it. After that is function book details, book details mean when the user click on the book that they want, it will appear title of the book, author of the book, ISBN number, description of the book and price of the book. User can know the details of the book before they purchase it. Next is cart, cart it just temporary store the book that they wish to purchase. They can add how many book they want into cart before they buy. Lastly is purchase, it is for user to buy the book that they want by key in their details into this system.

For the admin, function of admin in this system is to add a book, delete and edit the book. Admin must log in inside this system in order to add, edit and delete the book. Admin can add, edit and delete the information that require for book such as title of book, author, publisher, image of the book, description of the book and book price.

## **2.0 STATEMENT OF PROBLEMS**

Based on the research, there are several problems that usually happened in order to complete this system such as no information regarding the book details. Difficult in order to find clear image of the book. It is because many image of book is smaller size. In order to collect book details for each book, there are problem such as we cannot know the name of publisher for each book. Other than that, there is no information such as name of publisher, publisher contact and others. By having that, it easier for us in order to complete this system and will ease user work because inside this system have publisher contact.

Other than that, this system is built because to change user interest in e-book. As we all know, many readers are more likely to read in e-book rather than book. So by develop this system, we hope user can know and can change their mind to choose book rather than e-book.

After that, it is difficult for us as a user to go at shop and search a book one by one. Inside this system, there is functioning that help user in order to search their book more widely and easier. User can choose whether to search by author or by book title. If user are about certain author, they can try to search author that they like.

Besides that, some of user or reader are quite busy, so they don't have time to go to shop. By develop this system, it help them to purchase from online and much easier than go to shop. If user hobbies is reading, they can also purchase and read the book although they are busy.

### **3.0 DEVELOPER PROFILE**



**ABDUL SHAHRUL AZIM BIN SUDIN**

**SMART OPAC SYSTEM DEVELOPER**

#### **OBJECTIVES**

A committed and hard-working person with strong work ethic and has a strong desire to succeed in any role. A skillful and dedicate young person offering professionalism and excellent organizational ability. Fast learner with flexibility and adherence to following job description provided.

#### **EDUCATION:**

- Master of Science in Information Technology
- Bachelor Degree in Information Science (Hons) Information System Management
- Diploma in Information Management

#### **Work Experience:**

- Used to work as an admin at Sime Darby
- Had an experience as an IT expert at PETRONAS

**Salary:**

- RM 12,000.00

**SKILLS**

- Customer Services
- Excellent Communication Skill
- Good Communication & Interpersonal Skills
- Enjoy Working with People
- Ability to Work Under Pressure

**COMPUTER SKILLS**

- Microsoft Word
- Microsoft Powerpoint
- Microsoft Access
- Microsoft Excel
- HTML
- PhP
- Adobe Photoshop
- Adobe After Effect
- Adobe In Design
- Adobe Premiere Pro
- SPSS Statistics
- Borland C++

#### **4.0 AIMS/ OBJECTIVES OF THE PROJECT**

##### **To save the time of the reader by purchasing book inside this system**

By having this system, the time of the reader will be save because reader or user do not need to go at the shop to buy a book, they only can purchase a book through this system. It will make their work become easier and Smart OPAC system is also easier to understanding by user. Other than that, it will suitable for user who always busy with their work but they have hobbies in reading. Book is important in our life, it will give us information and knowledge about something and sometime give us entertainment.

##### **To help the reader searching or locate their book more widely**

As we all know, in order to locate the book that we like or need in shop is take time, so by having this system, we just can locate or searching our book more widely and easier. It is because in this system, it have function search which is user only need to put the title of the book and author name to search. If the book have, the result will be appears. Users can choose whether they want to search by author name or book title.

##### **To create user that love to reading book**

As we all know, many youth don't like to buy a book. So by create many systems that sell book, it will create awareness about the importance of book for youth. It will make youth become more knowledgeable about something and not left behind in anything.

##### **To change readers interest in e-book.**

Many users are changed to choose book as their method to read. They are more likely to choose e-book as a method for them to read. So, this system was built in order to change readers interest towards e-book. It is because, by looking at screen to long, it can harm their eye. So, book is more recommended rather than e-book.

## **5.0 PROJECT SCOPE**

For the scope of this system, it can be use by any user such as students, employee and person who love book. This system is open for everyone. User can purchase many book inside this system. User can purchase a book in online and only need to fill in the form about user details in order to purchase a book. This system is user friendly because It has features like searching. The searching capabilities is one of the Smart OPAC main priorities. User can search by title of book and author name. So it will have many choice for user. After they search, it will display list book that have inside this system. Then, user can click and see the details of the book. They can add the book at the cart before they purchase it. If they interest and decide to purchase a book, they only need to fill form to purchase.




## 6.0 MILESTONE AND GANTT CHART



2018												
	September				October				November			
Week / Activities	1	2	3	4	5	6	7	8	9	10	11	12
<b>Planning</b>												
Initial assessment	■											
Feasibility assessment		■										
<b>Analysis</b>												
User requirement			■									
Existing evaluation			■									
Logical system design				■								
<b>Design</b>												
Detail system specification					■							
<b>Implementation</b>												
Coding, testing, debugging						■	■	■	■			
Installation						■	■	■	■			
Fine tuning						■	■	■	■			
<b>Maintenance</b>												
Evaluation										■		
Maintenance											■	■
Enhancement											■	■

## 7.0 ESTIMATED BUDGET

To develop a system, budget and cost require should be consider by the developer. Usually the budget and cost refer to the thing that will be used to accomplish this project. Its include hardware, software and even a programmer. As most people know, hardware and software is the most important thing to ensure the development of system is success. The budget and cost require for the system as shown in the table below:

Item	Brand	Price
Hardware	<p data-bbox="523 629 791 663">Asus A550C Laptop</p>  <p data-bbox="523 1155 1086 1464">This laptop was use to develop the system. Running in Windows 10 operating system, with 8GB RAM, and 600GB internal storage. The software that uses to develop the system was being installed in this laptop.</p>	RM 1,824
Hardware	<p data-bbox="523 1545 927 1579">Broadband Modem (Digi Line)</p> 	RM 68.00 per month

	Internet connection is requiring in developing the system. The Broadband and Digi line is use to make the internet connection available. With 15GB internet quota per month.	
Hardware	<p>Printer Cannon E500</p>  <p>This printed is used for printing.</p>	RM 230.00
Software	<p>Adobe Dreamweaver</p>  <p>This software is used to code the PhP coding and create design for system.</p>	No Charge
Software	<p>Sublime Text</p>  <p>This software is used to code PhP and HTML coding.</p>	No Charge
Software	Adobe Photoshop	No Charge

	 <p>This software is used to create a design for system logo.</p>	
Software	<p>WampServer</p>  <p>WampServer refers to a software stack for the Microsoft Windows operating system, and consisting of the Apache web server, OpenSSL for SSL support, MySQL database and PHP programming language. This software was use to create the database and localhost for the system.</p>	No Charge
	<b>TOTAL</b>	<b>RM 2,122</b>

## 6.0 HARDWARE AND SOFTWARE

Hardware	Specification	Function
Laptop	Type: Acer Intel Core i5-4200U 1.5GHz NVIDIA GeForce GT 720M 8GB DDR4 L Memory 600 GB HDD Windows 10	As a medium used to create the system, where without it, the system cannot be create.
Boradband Modem	Type: Huawei Modem Internet: Digi line with 15GB quota per month.	In order to develop a system, internet is requiring. By using this modem, this system can be creating.
Printer	Type : Printer Cannon E500	This hardware is used for printing. It can print poster, article and others.
Adobe Dreaweaver	Version: CS6	Adobe Dreamweaver (formerly Macromedia Dreamweaver) is a proprietary web development application originally created by Macromedia. It is used to create and edit the PHP code to design the layout.
Sublime Text	Version: Sublime Text 3	Sublime Text is a proprietary cross-platform source code editor with a Python application programming interface. It natively supports many programming languages and markup languages, and functions can be added by users with plugins This software is used to create PhP and HTML code.

Adobe Photoshop	Version: CS6	This software used for editing picture
WampServer	Version: Wampserver 3.1.0 64 bit x64	WampServer is a Windows web development environment. It allows you to create web applications with Apache2, PHP and a MySQL database. Alongside, PhpMyAdmin allows you to manage easily your database.

## 7.0 FLOWCHARTS/ DIAGRAM/ ERD

### 7.1 User Flowchart

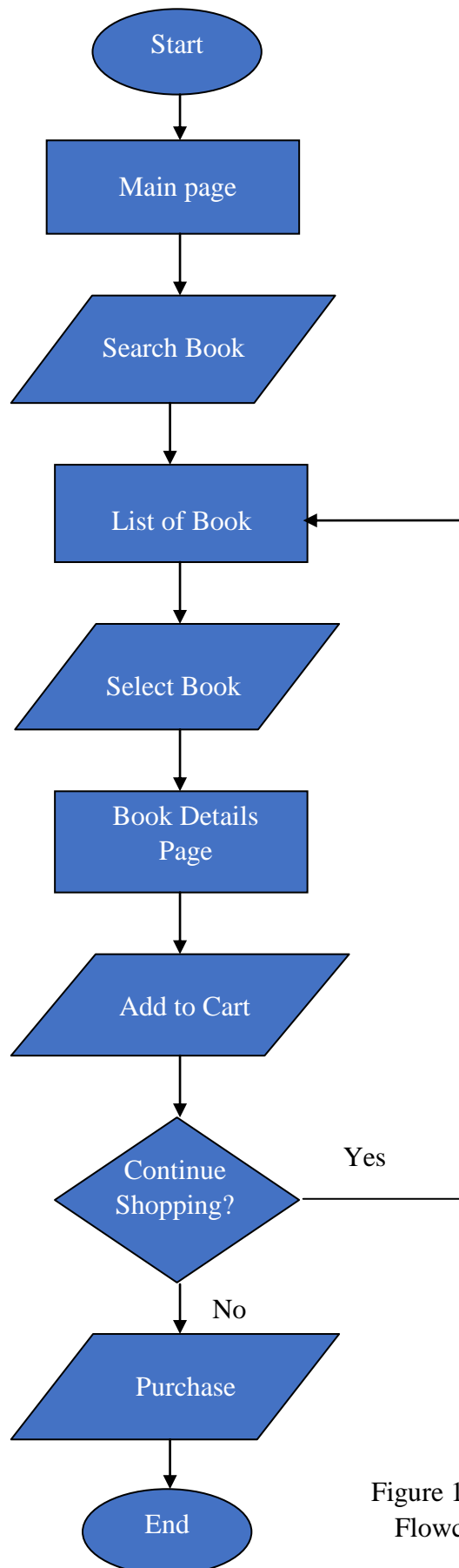


Figure 1: User Flowchart

## 7.2 Search Book Flowchart

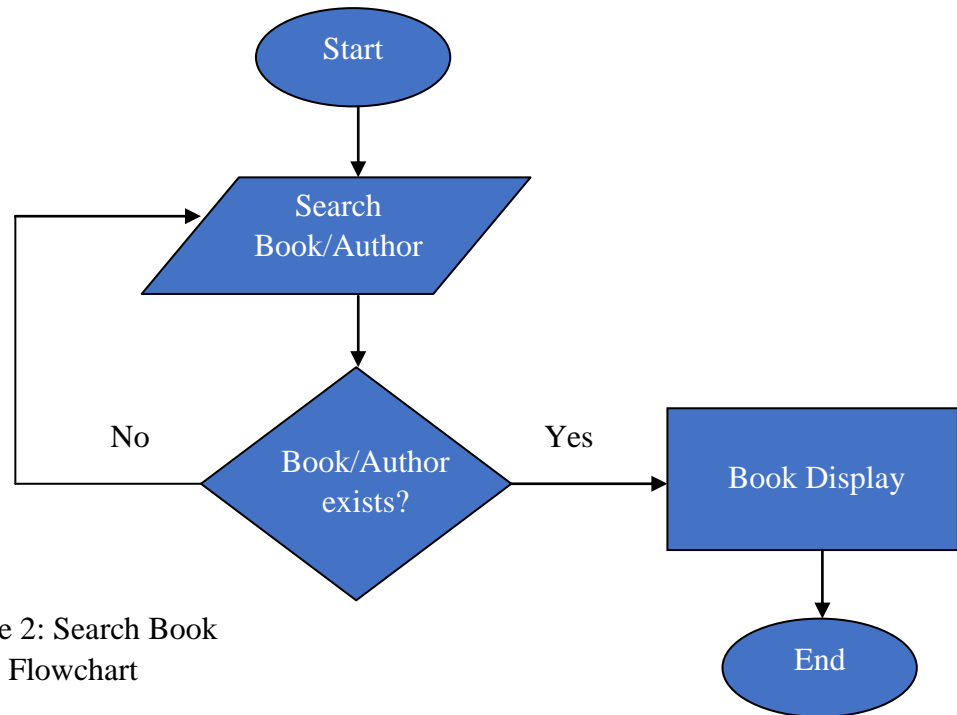


Figure 2: Search Book Flowchart

## 7.3 Admin Add Book Flowchart

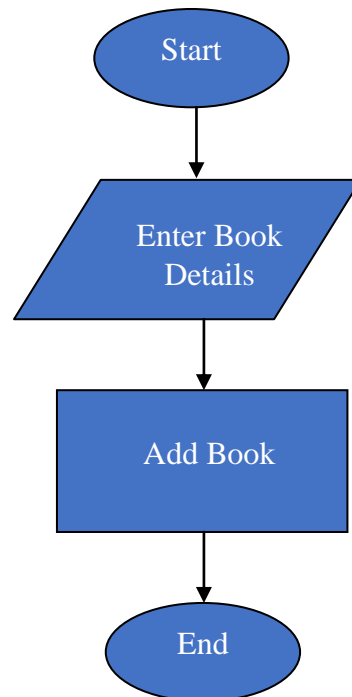


Figure 3: Admin Add Book Flowchart

#### 7.4 Admin Edit Flowchart

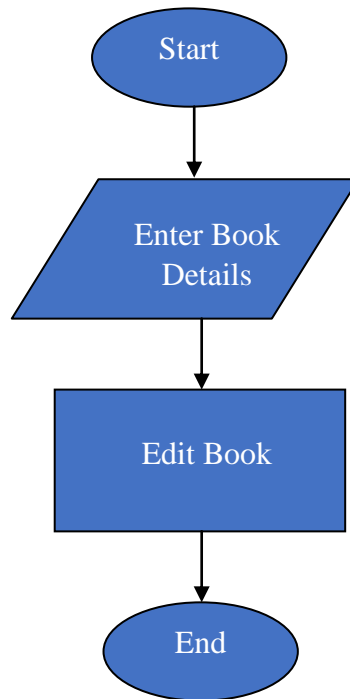


Figure 4: Admin Edit Flowchart

#### 7.5 Admin Delete Flowchart

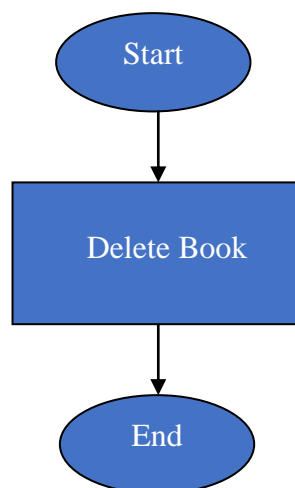


Figure 5: Admin Delete Flowchart

7.6 ENTITY RELATIONSHIP DIAGRAM

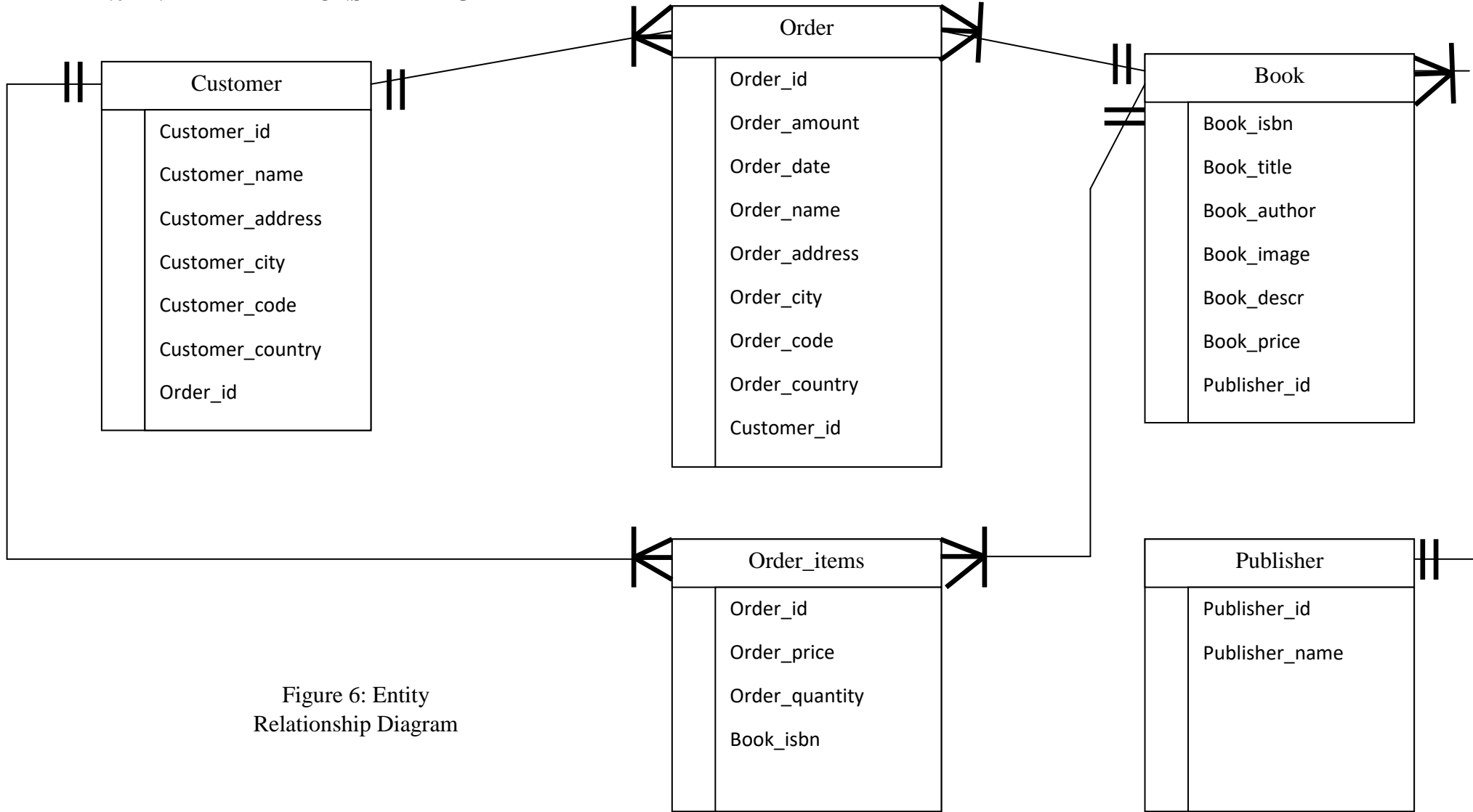


Figure 6: Entity Relationship Diagram

8.0 STORY BOARD

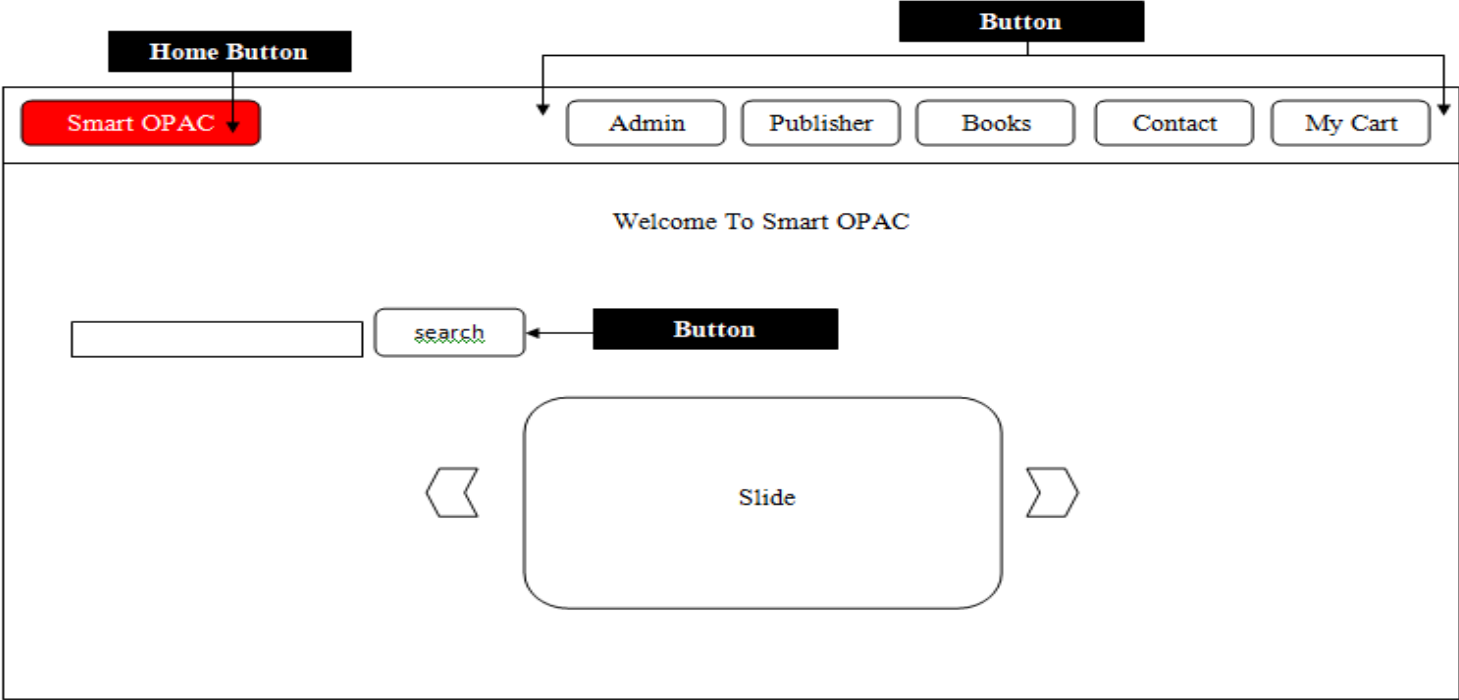


Figure 7: Home Page of Smart OPAC

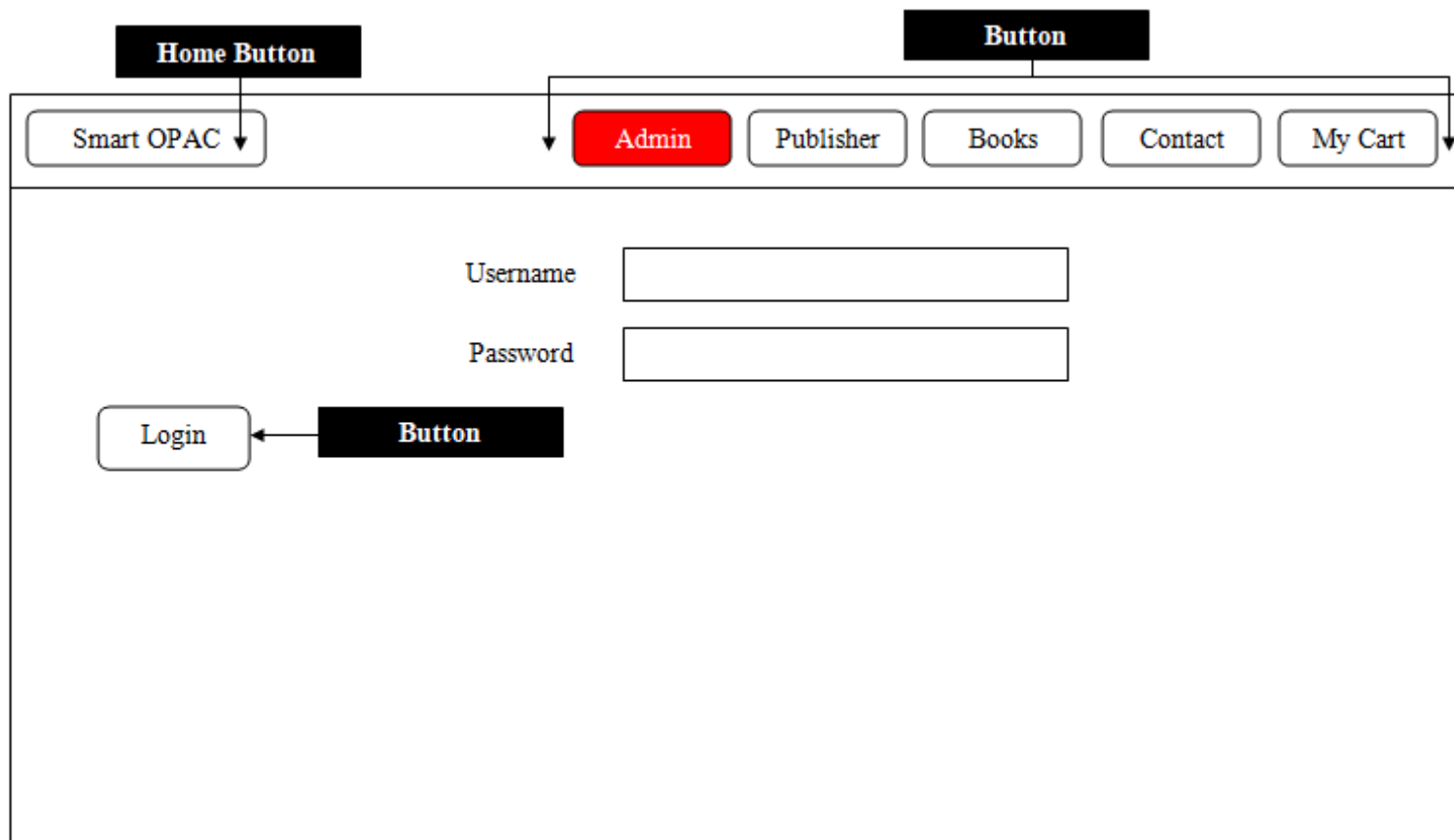


Figure 8: Admin Log in

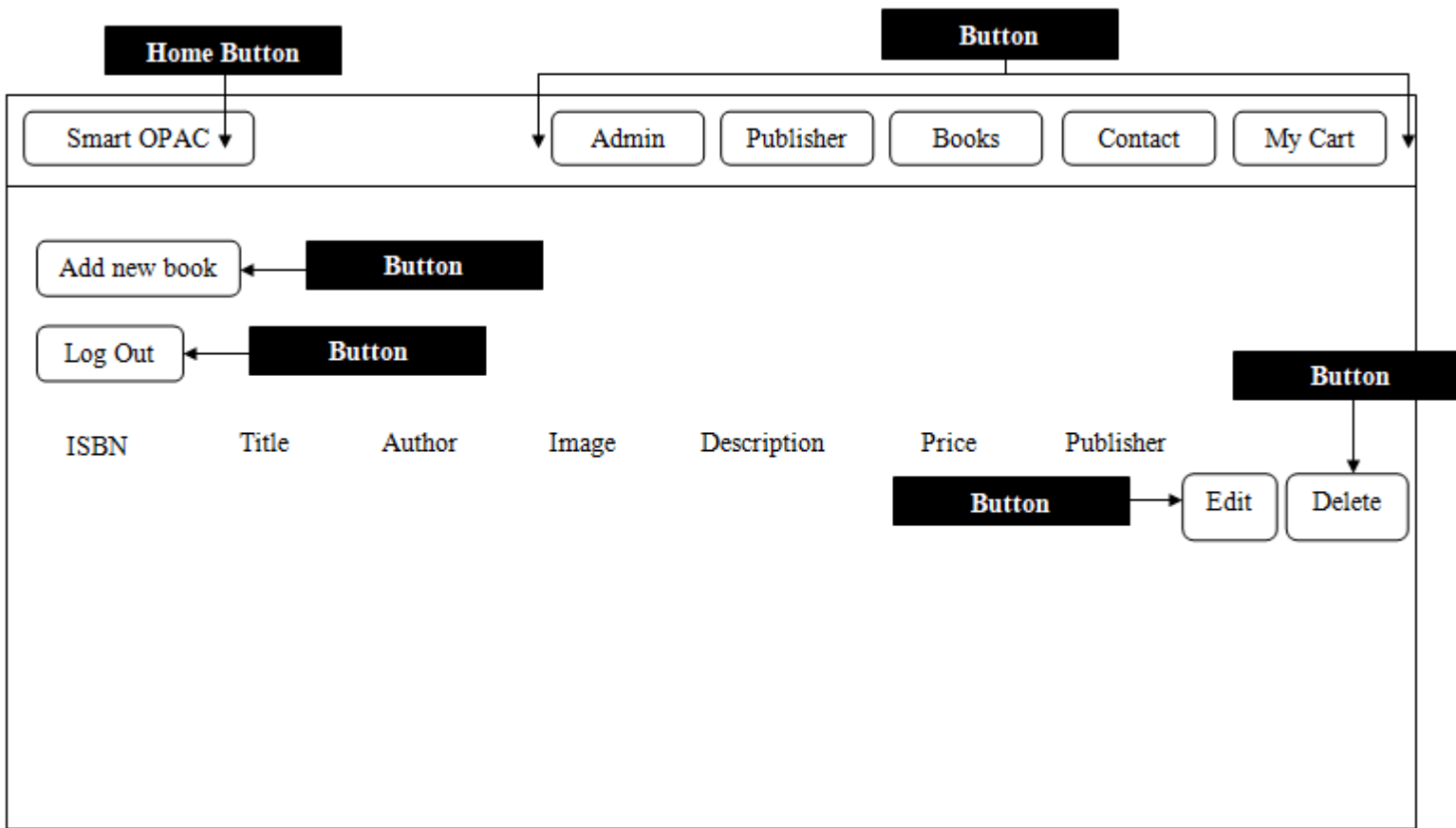


Figure 9: Admin interface (Add, Delete and Edit)

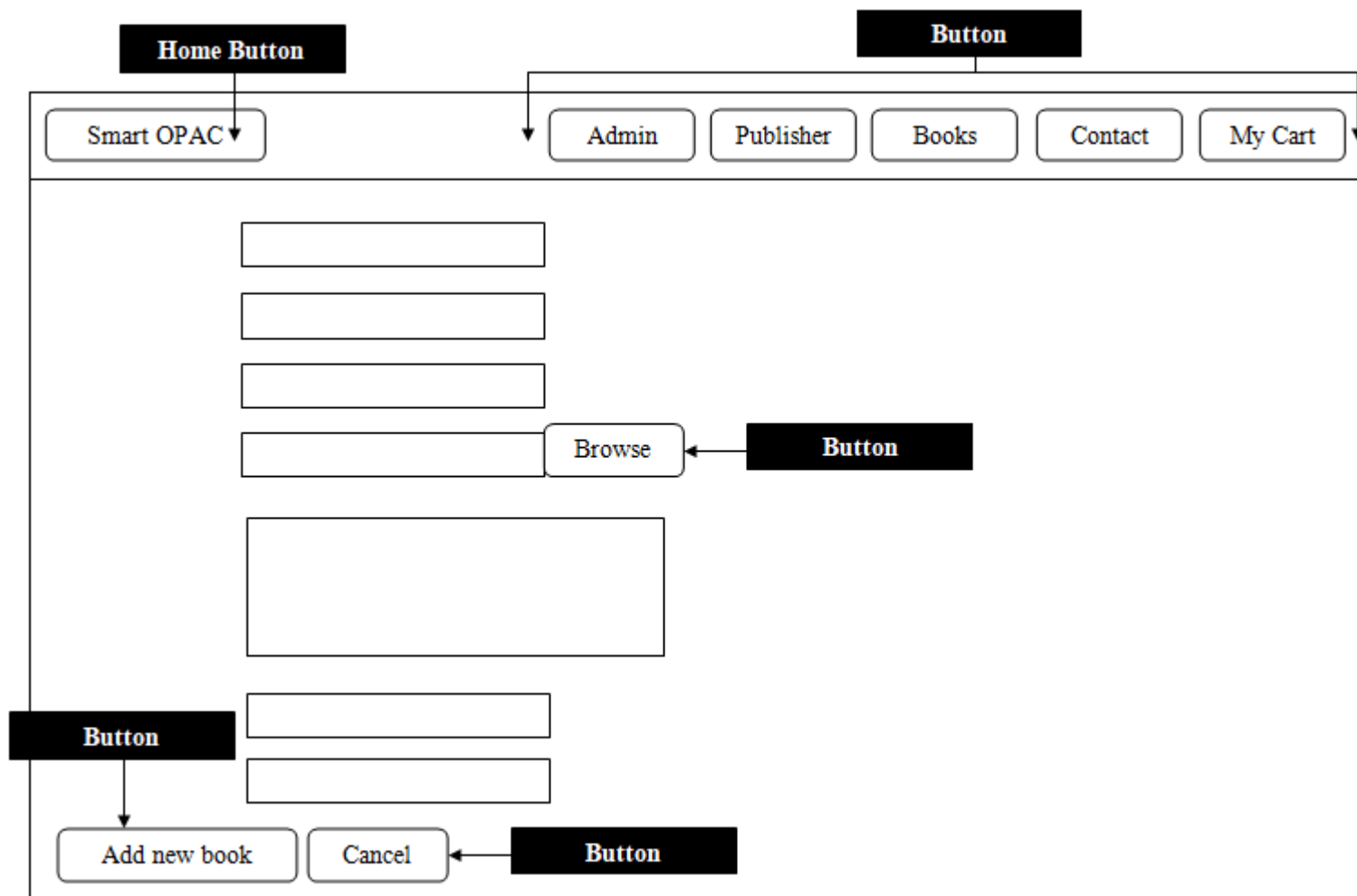


Figure 10: Admin Add interface

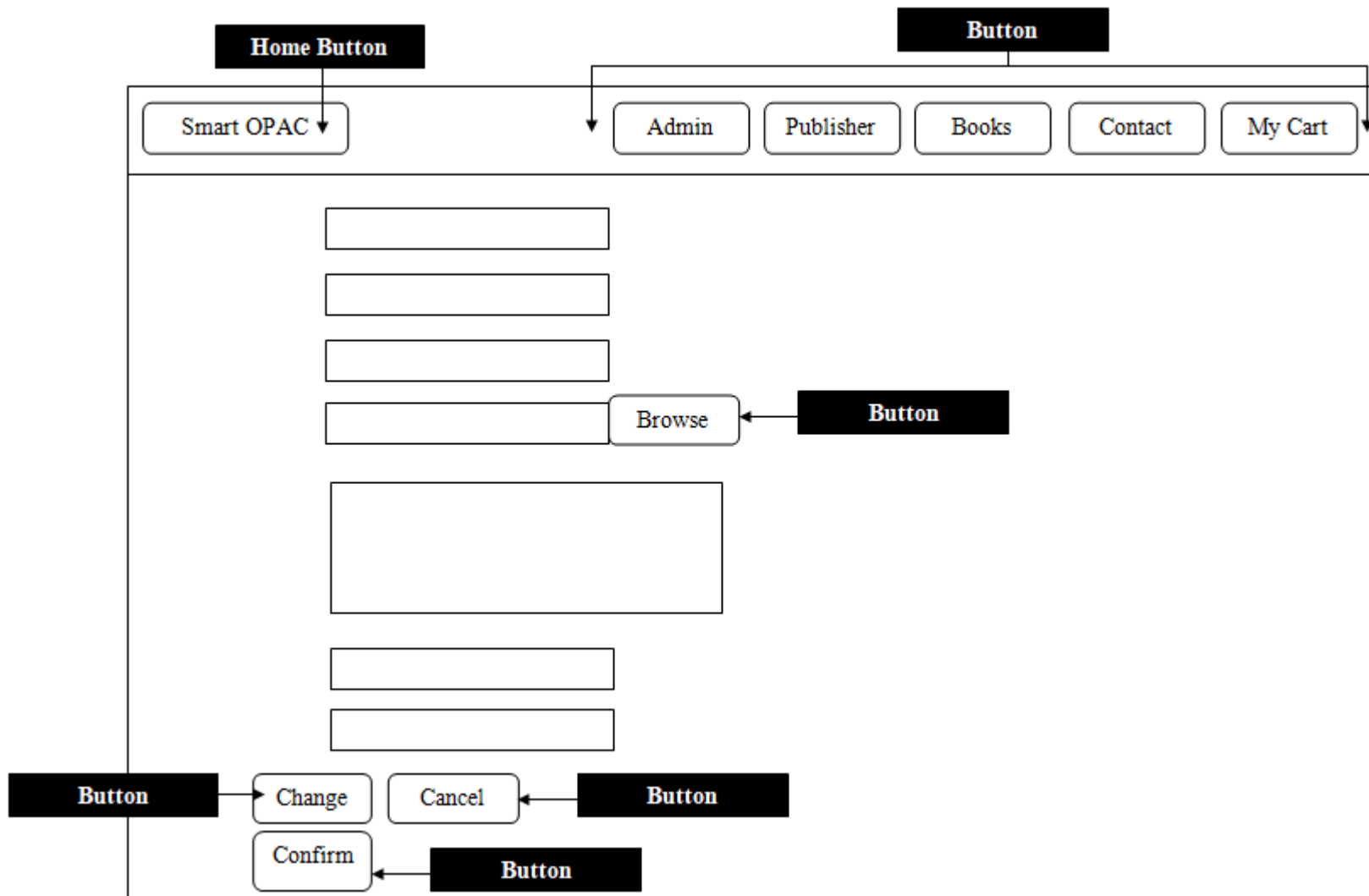


Figure 11: Admin Edit Interface



Figure 12: List of publisher in Smart OPAC

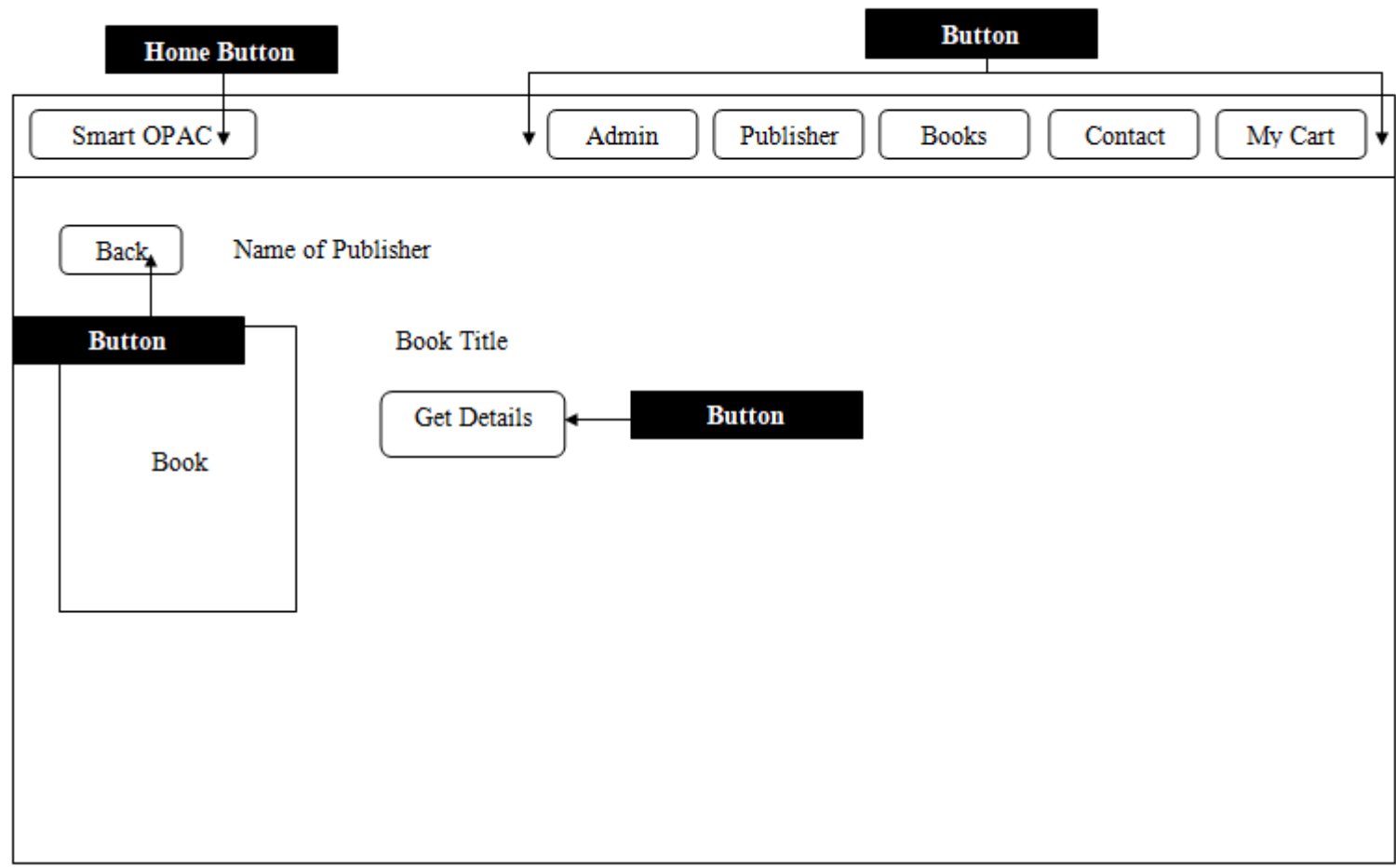


Figure 13: Book Publisher

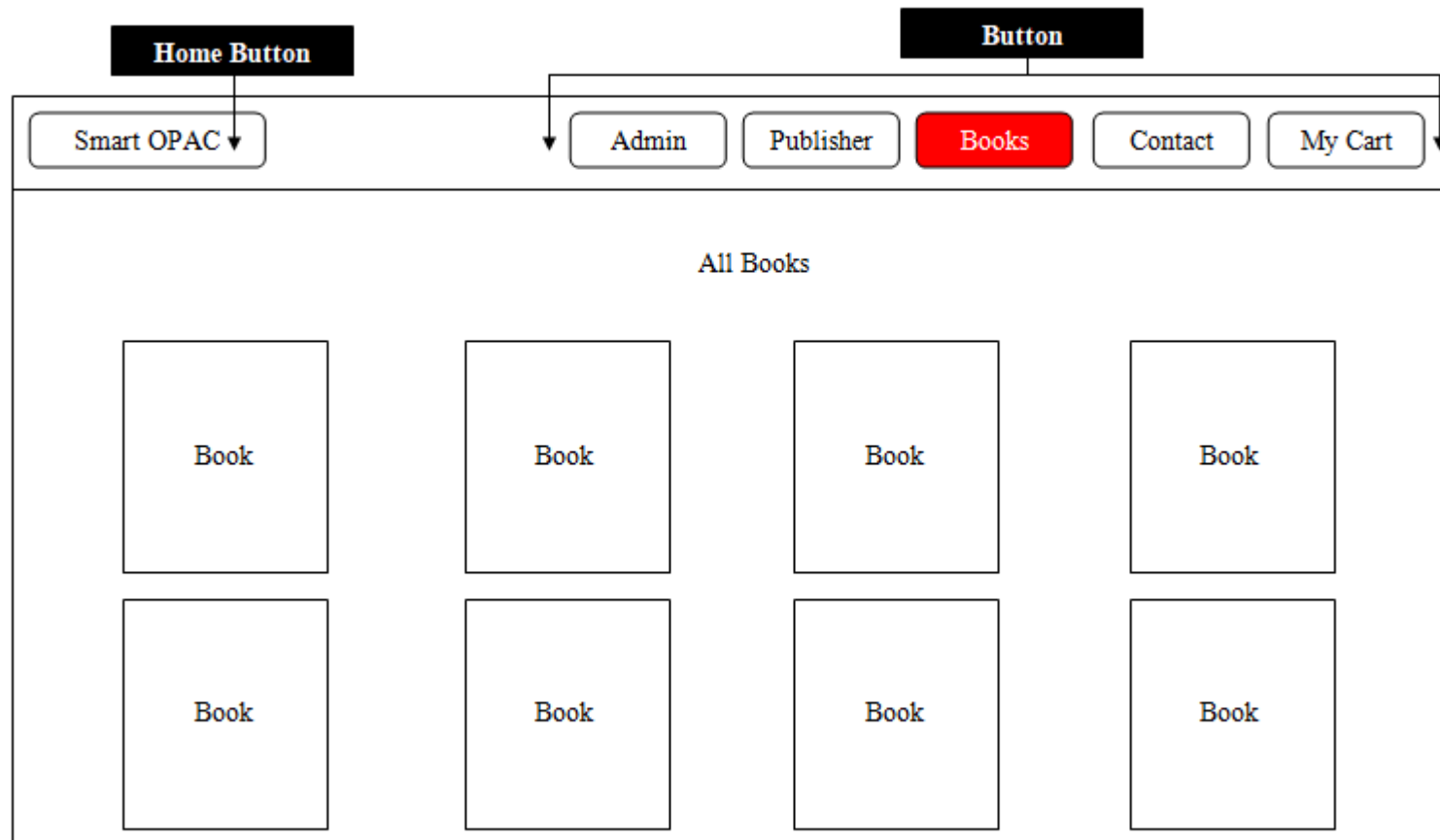


Figure 14: List of Books in Smart OPAC

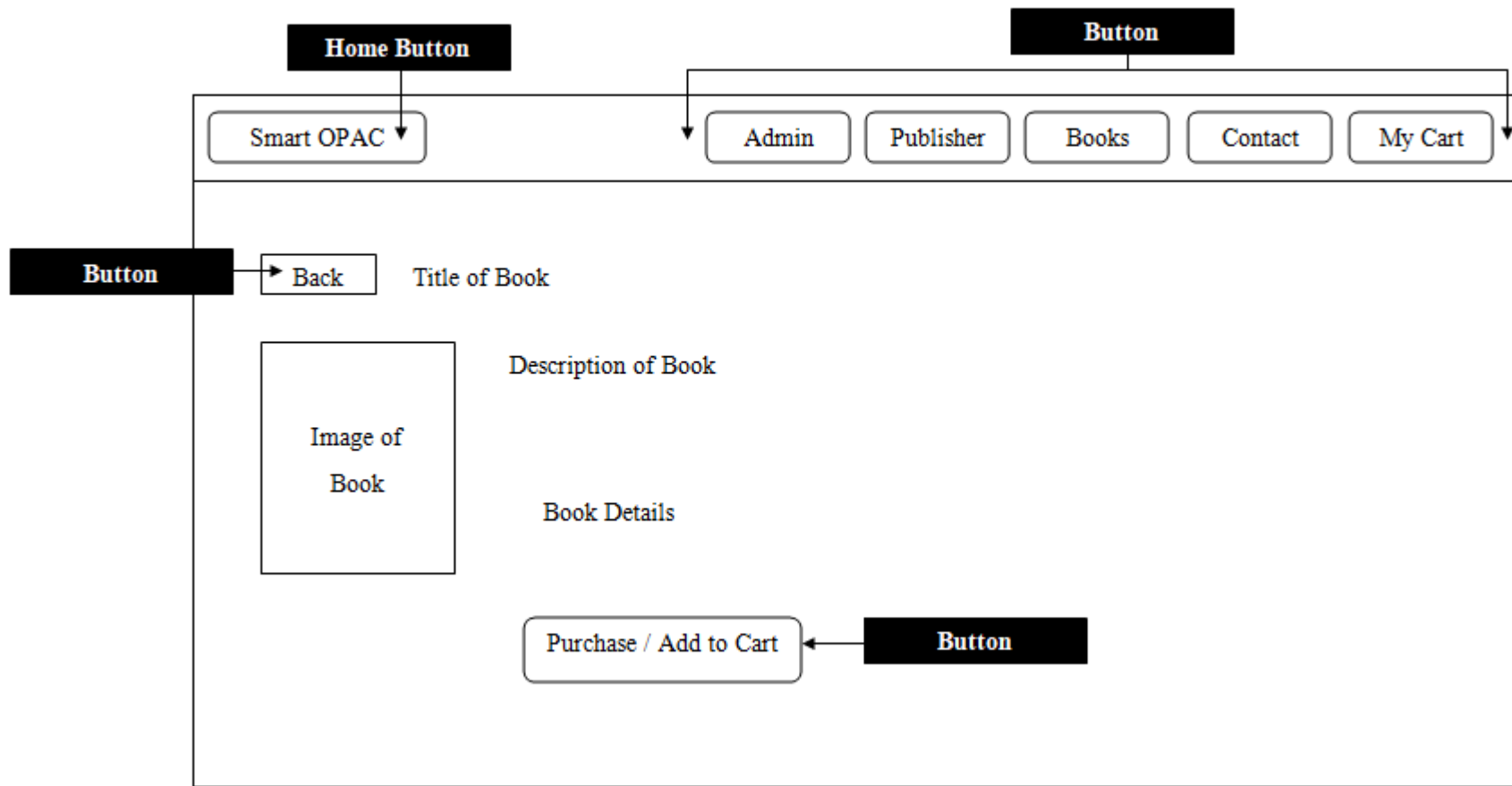


Figure 15: Book Details

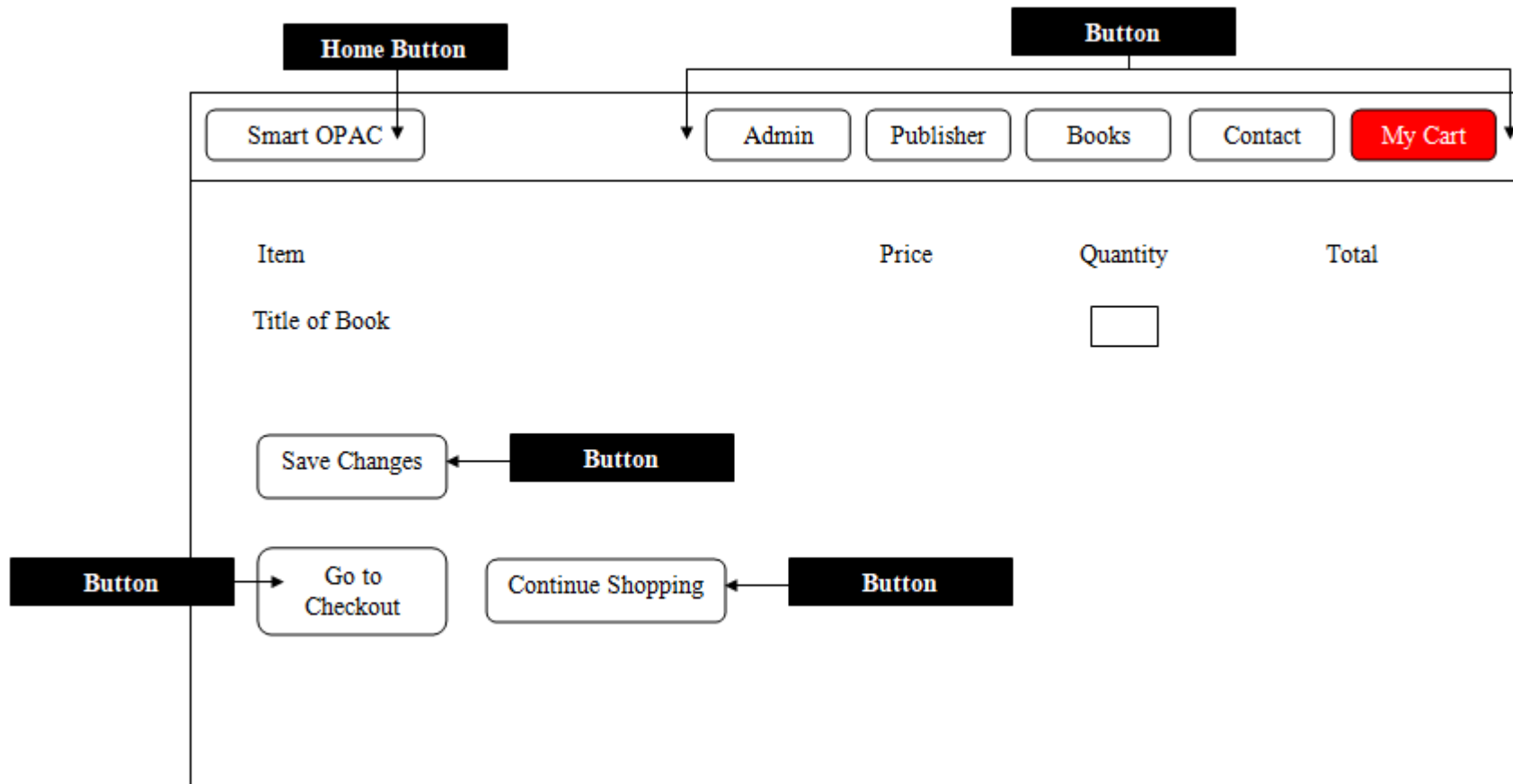


Figure 16: Cart in Smart OPAC

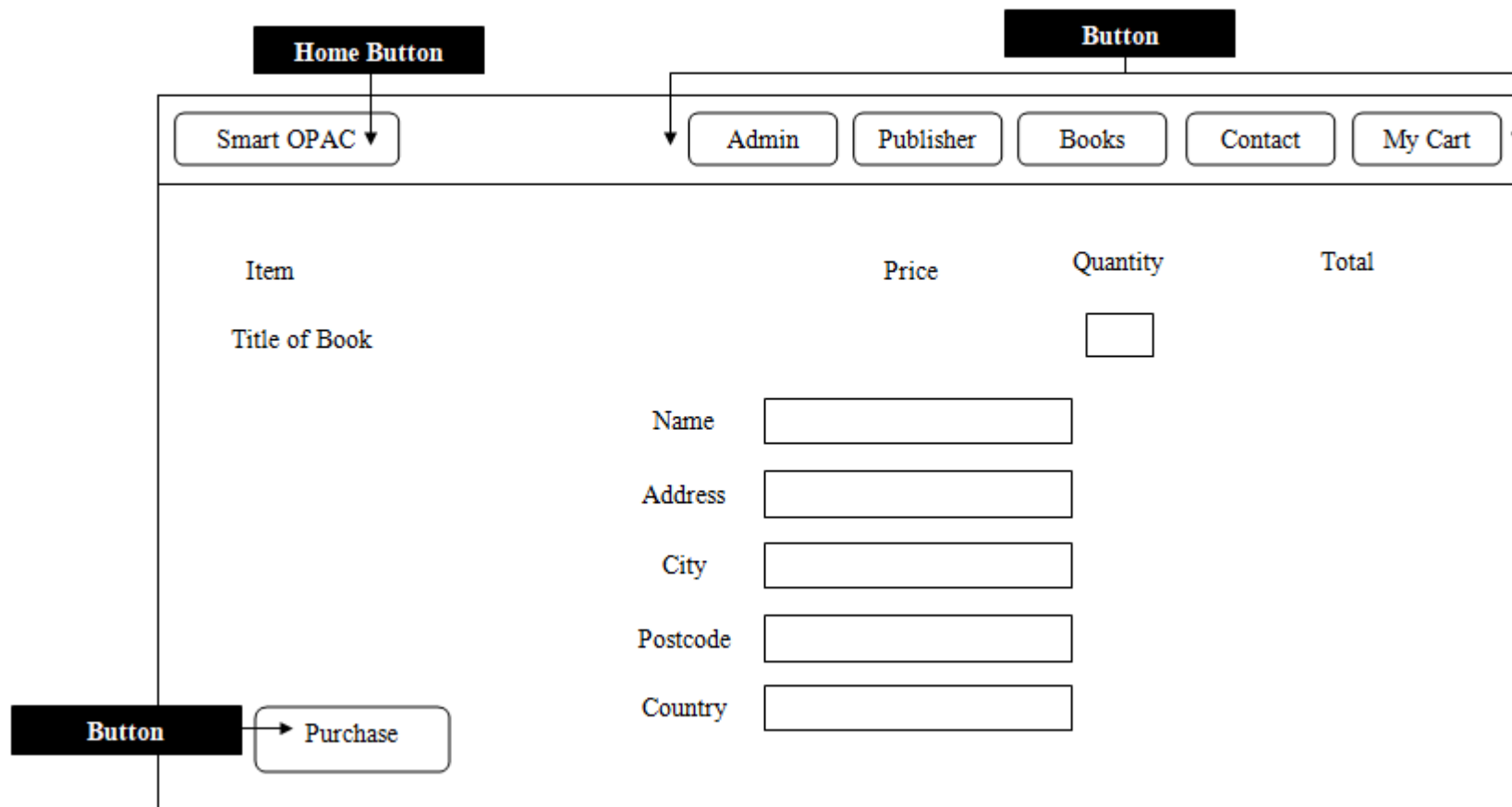


Figure 17: User details

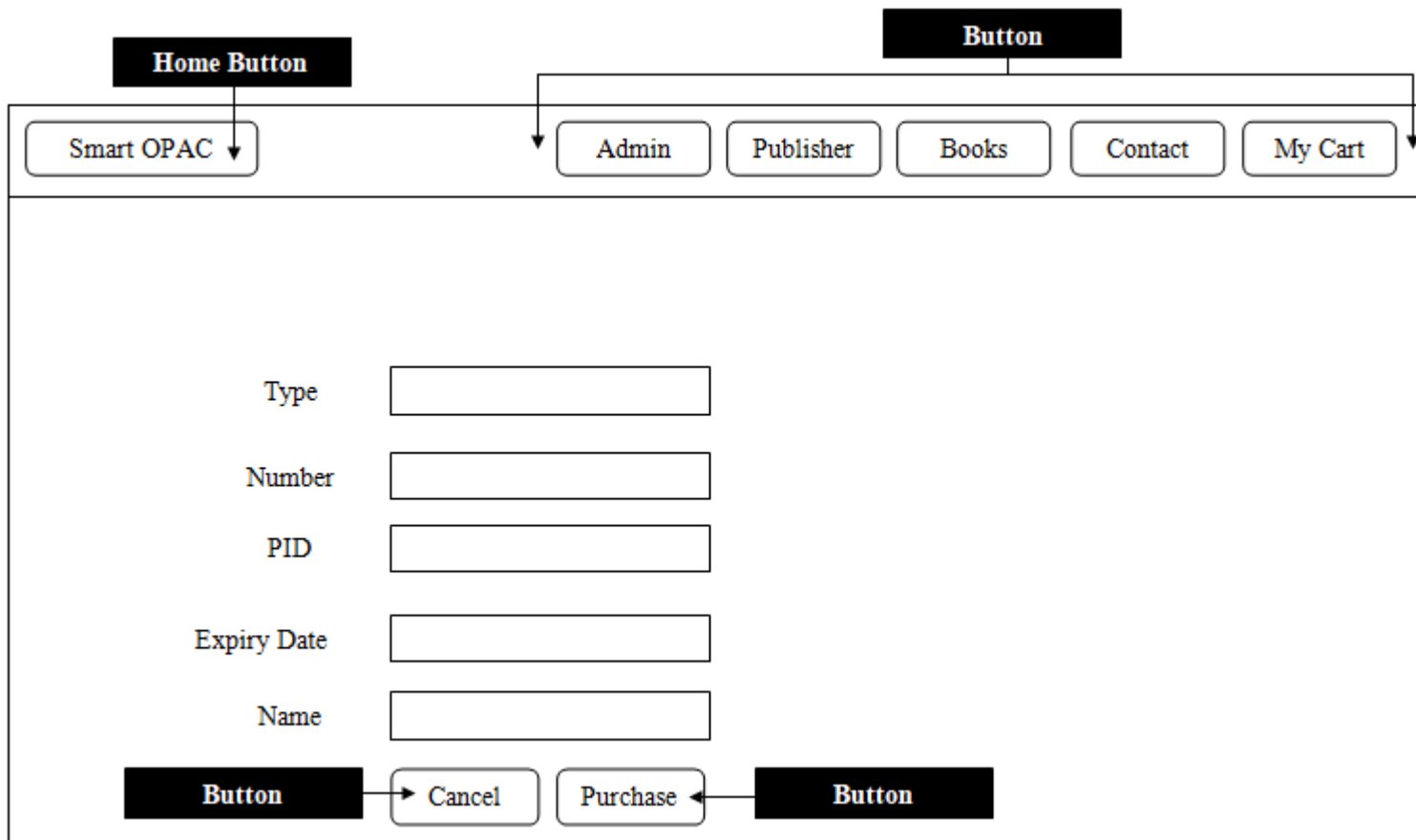


Figure 18: User payment form

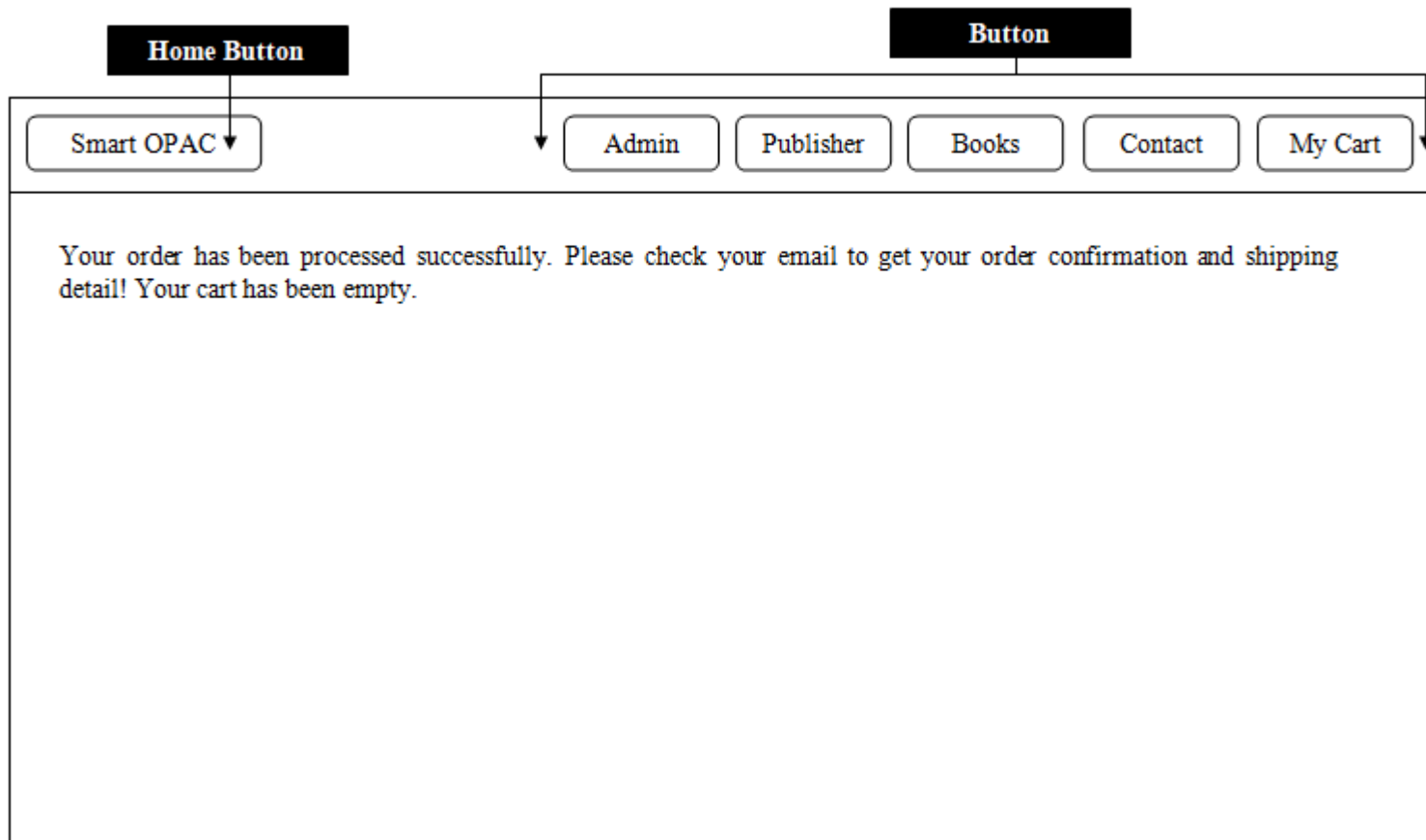


Figure 19: User successful purchase

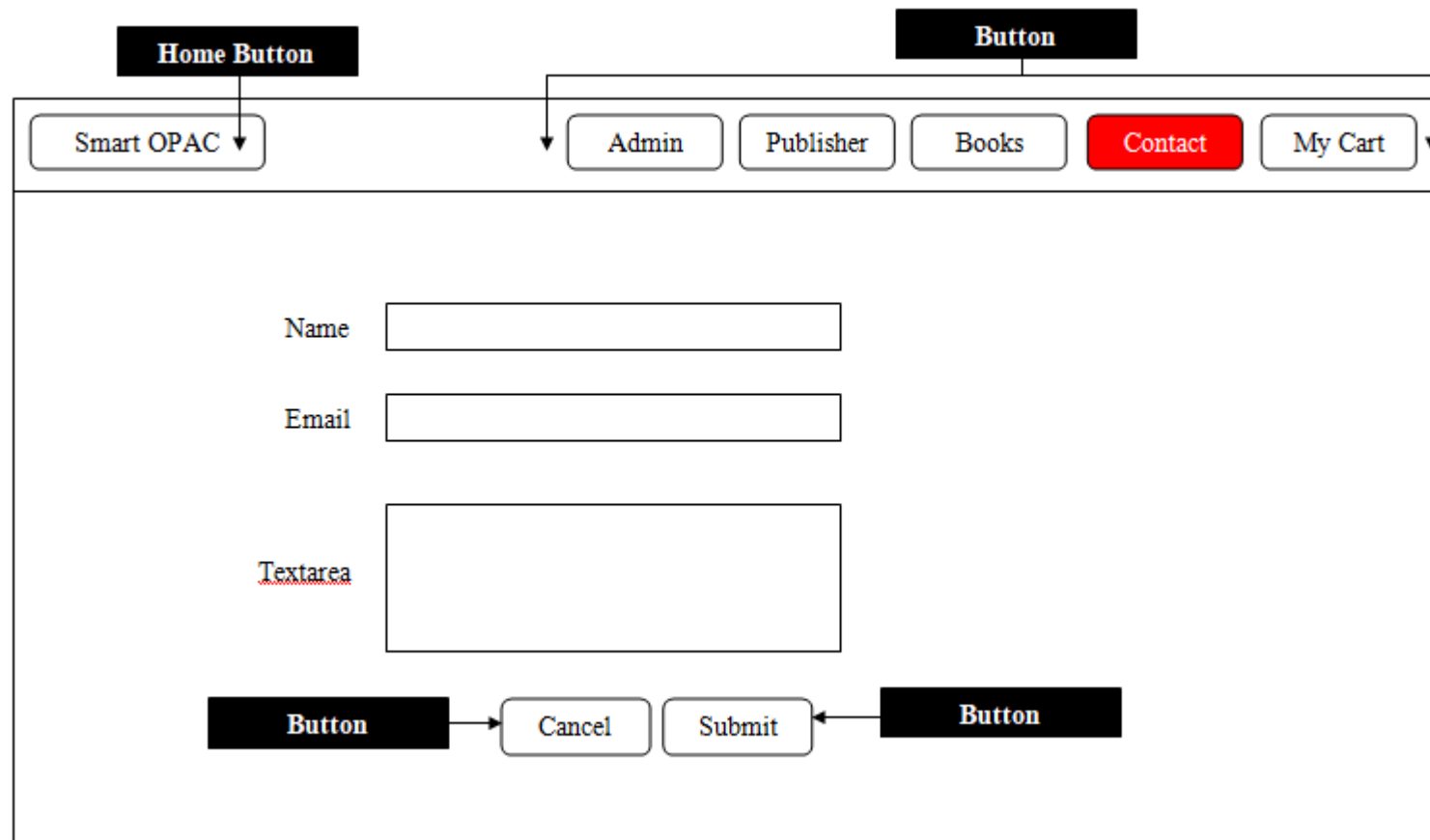


Figure 20: Contact us

## **9.0 CONCLUSION**

For the conclusion, the existence of Smart OPAC could help reader to search their book more widely. This system also provided online payment transaction which can ease to the user for make payment and also can save their time. In this modern era, everything need to be done in online. We hope, by having this system, it can make many users interest to read a book and love a book. It is because book is very importance in our life. It can give us many information and make us do not left behind. We also hope, this system can make youth or user open their mind and know the importance of the book. It is because many user still lack of awareness about the importance of book in our life. We will make this system become more better in future and make this system useful for them.