Book Studio Projects

Ahn Le, Dahyeok Park, Tianye Zhao

1. Subject

Our project is to build an online book shopping system.

Nowadays, according to the fast delivery, as well as online purchase is growing. Online E-BOOK system is also introduced, the plan is to use the sales and marketing strategy, with the ISBN principles for the E-BOOK.

Our main goal is store E-BOOK by analyzing the ISBN (unique code numbers for each book), you can share book or a grasp such information like literature, Korea, literary or cultural, published paper for any type. The main advantage of this regularity will be marketing that provides the analysis the customer's interests and tastes towards e-book publications for the books that are recommended or restrictions apply to the customer's point one randomly selected.

2. Team Roles

Ahn Le: databases

Dahyeok Park: php program, design work, publishing

Tianye Zhao: diagram and report

3. Existing Site Analysis

Online Book Store is growing, there are many shopping malls which build website that promotes and sells e-book. Usually the online books are all real-time e-book sales, but seems harder towards the marketing side, there is little gap between two part.

Of course, the form shows the e-book is actually supposed to flex or flash treatment or html5, jquery effects like flip books, but some inconveniences like hard to browse only a necessary part of medical books and professional books using only key words.

4. Tables

Table LIST			
Project Name	**PHP BOOKSTUDIO**	**Work**	

number	Table ID	Table Name
One	CUSTOMER	Profile
2	BOOKS	Book Information
3	ORDERBOOK	Ordering Information
4	STATISTICS	Statistical information
5	BOARD	Information Bulletin
6	EBOOK	E-BOOK Information
7	COMMENT	Comments info

Table specification 1

Project Name	PHP BOOKSTUDIO	Work	
Table name	CUSTOMER	Table ID	
Table Description	Profile		

number	Column ID	Data Type	Null	Default	Detailed description
One	CUST_NUM	INT	NOT		ID (IDENTITY)
2	ID	VARCHAR (20)	NOT		ID
3	PW	VARCHAR (20)	NOT		password
4	NAME	NVARCHAR (40)	NOT		name
5	ADDR_FIRST	NVARCHAR (40)	NOT		Address
6	ADDR_SECOND	NVARCHAR (40)	NOT		Address
7	ADDR_NUM	INT	NOT		Zip code
8	TEL_NUM	INT			Phone number
9	PHONE_NUM	INT	NOT		Cell Phone Number
10	GRADE	NVARCHAR (10)		Associate member	Customer Rating
11	MIL	INT		0	Reserves

Key Type	Key	column
PK	CUST_NUM	
FK		
UQ		
Index		

Table specification 2

Project Name	PHP BOOKSTUDIO	Work	
Table name	BOOK	Table ID	
Table Description	Book Information		

number	Column ID	Data Type	Null	Default	Detailed description
One	TITLE	NVARCHAR (100)	NOT		Book title
2	AUTHOR	NVARCHAR (40)	NOT		author
3	ISBN	VARCHAR (13)	NOT		ISBN (PK)
4	PRICE	INT	NOT		Book prices
5	DESCRIBE	TEXT OR NVARCHAR (MAX)			Explanation
6	REG_DATE	DATE			Date (date)
7	FIELD	NVARCHAR (10)	NOT		Field
8	PUBLISHER	NVARCHAR (30)			publisher
9	IMG_URL	NVARCHAR (50)			Address book image file

Key Type	Key	column
PK	ISBN	
FK		
UQ		
Index		

Table specification 3

Project Name	PHP BOOKSTUDIO	Work	
Table name	ORDERBook	Table ID	
Table Description	Ordering and payment information		

number	Column ID	Data Type	Null	Default	Detailed description
One	TITLE	NVARCHAR (100)	NOT		Book title
2	PRICE	INT	NOT		price
3	QUANTITY	INT		One	Quantity
4	CUST_NUM	INT	NOT		Member Number
5	ISBN	NVARCHAR (13)	NOT		ISBN
6	PAY_STATE	NVARCHAR (10)			Payment Status
7	PAY_METHOD	NVARCHAR (30)			method of payment
8	REG_DATE	DATE			Order Date
9	ORDER_NUM	INT			Chapter Order numbers

Key Type	Key	column
PK		
FK		
UQ		
Index		

Table specification 4

Project Name	PHP BOOKSTUDIO	Work	
Table name	STASTICS	Table ID	
Table Description	Statistical information		

number	Column ID	Data Type	Null	Default	Detailed description
One	CUST_NUM	INT	NOT		Member Number
2	FIELD1	INT			Sector 1
3	FIELD2	INT			Sector 2
4	FIELD3	INT			Sector 3
5	FIELD4	INT			Sector 4
6	FIELD5	INT			Sector 5

Key Type	Key	column
PK	CUST_NUM	
FK		
UQ		
Index		

Table 5 Specification

Project Name	PHP BOOKSTUDIO	Work	
Table name	BOARD	Table ID	
Table Description	Information Bulletin		

number	Column ID	Data Type	Null	Default	Detailed description
One	BOARD_NUM	INT	NOT		Post Number
2	BOARD_TYPE	NVARCHAR (20)	NOT		Forum Category
3	BOARD_TITLE	NVARCHAR (50)	NOT		Bulletin Title
4	BOARD_AUTHOR	NVARCHAR (50)	NOT		Writer
5	BOARD_DATE	DATE	NOT		Date Created
6	BOARD_TEXT	TEXT			Contents

Key Type	Key	column
PK	BOARD_TYPE	
FK		
UQ		
Index		

Table 6 Specification

Project Name	PHP BOOKSTUDIO	Work	
Table name	EBOOK	Table ID	
Table Description	EBOOK Information		

number	Column ID	Data Type	Null	Default	Detailed description
One	ISBN	VARCHAR (13)			ISBN
2	URL	VARCHAR (100)			EBOOK URL
3	TITLE	NVARHCAR (50)			title
4	PUBLISHER	NVARCHAR (50)			publisher
5	PRICE	INT			price

Key Type	Key	column
PK	ISBN	
FK		
UQ		
Index		

Table 7 Specification

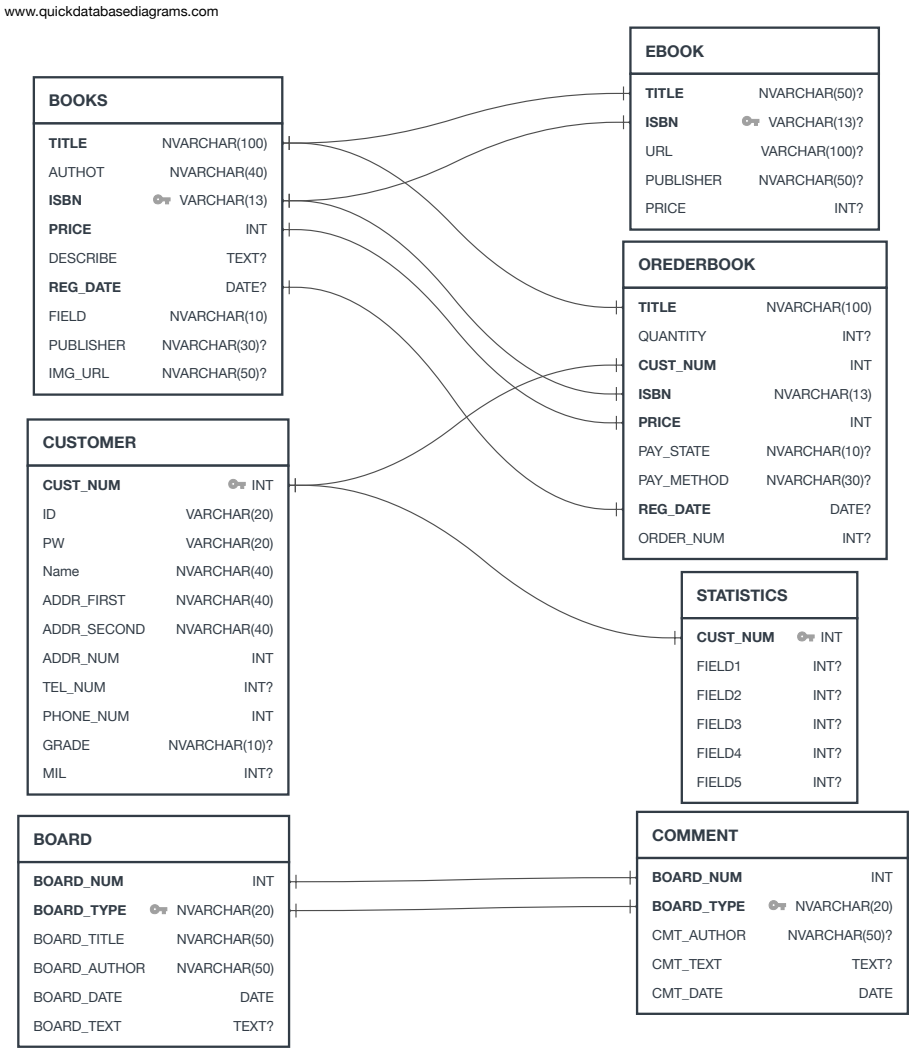
Project Name	PHP BOOKSTUDIO	Work	
Table name	COMMENT	Table ID	
Table Description	Comments info		

number	Column ID	Data Type	Null	Default	Detailed description
One	BOARD_TYPE	NVARCHAR (20)	NOT		Forum Category
2	BOARD_NUM	INT	NOT		Post Number
3	CMT_AUTHOR	NVARCHAR (50)			Writer
4	CMT_TEXT	TEXT			Comments Content
5	CMT_DATE	DATE			Comment Date

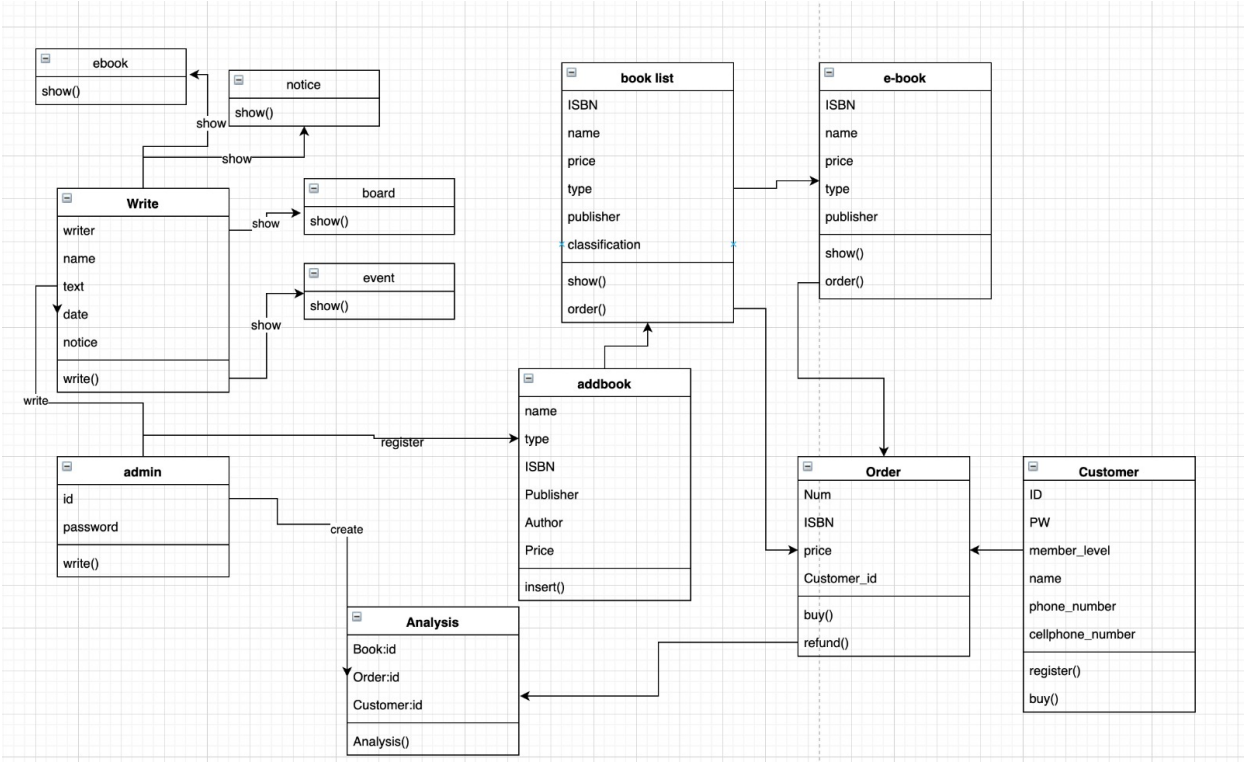
Key Type	Key	column
PK	BOARD_TYPE	
FK		
UQ		
Index		

5. EER and UML

EER diagram is as follows:



UML diagram is as follows:



6. Configure site

This is the main screen

The noticeboard and the other page has a link on this page. It’s a basic framework that can be changed only from the inside the form page.

A list of books.
Use the search bar below, you can search for books.

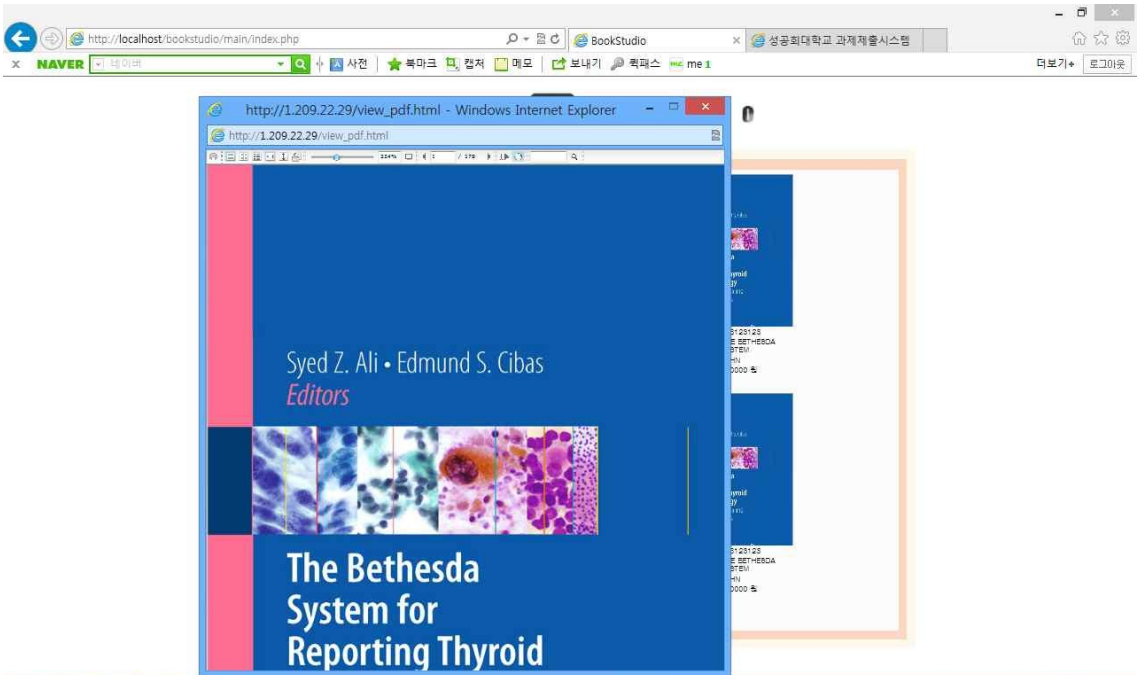
The sign-in page.
The admin login account is separated to the admin account and regular member account, admin account has permission to write articles on the statistics, registration books, announcements, events, bulletin board.

The free bulletin board.

Free Board can also view the required information posted by adding a search feature below.

The shopping cart.

Your cart is currently visible for the history, this customer has purchased and will go to the book list when you press the Continue Shopping.



The Book.

Online reading is used flexpaper has been left to the deployment server.

Because this part requires special environmental setting which were excluded from projects submitted.

7. Procedures

```
DROP PROCEDURE IF EXISTS bookstudio.CUSTOMERINSERT  CREATE
PROCEDURE bookstudio.`CUSTOMERINSERT`(IN NAME1
VARCHAR(40),IN ID1 VARCHAR(20),IN PW1 VARCHAR(20),IN
ADDR_NUM1 INT,IN ADDR_FIRST1 VARCHAR(40),IN ADDR_SECOND1
VARCHAR(40),IN GRADE1 VARCHAR(40),IN MIL1 INT,IN PHONE_NUM1
VARCHAR(11),IN TEL_NUM1 VARCHAR(11))

BEGIN

 - Enter information into the member table
INSERT INTO
CUSTOMER(NAME,ID,PW,ADDR_NUM,ADDR_FIRST,ADDR_SECOND,GR
ADE,MIL,PHONE_ NUM,TEL_NUM)
VALUES(NAME1,ID1,PW1,ADDR_NUM1,ADDR_FIRST1,ADDR_SECOND1,
GRADE1,MIL1,P HONE_NUM1,TEL_NUM1)


 - Enter the information in the Member STASTICS later STASTICS
 UPDATE operations only halgeot
INSERT INTO STASTICS
(CUST_NUM,FIELD0,FIELD1,FIELD2,FIELD3,FIELD4,FIELD5,FIELD6,FIEL
D7,FIELD8,FIEL D9) SELECT MAX(CUST_NUM),0,0,0,0,0,0,0,0,0,0 FROM
CUSTOMER

END


DROP PROCEDURE IF EXISTS bookstudio.ISBNTYPE2  CREATE
PROCEDURE bookstudio.`ISBNTYPE2`(in CUSTOMNUM INT,IN ISBNMEAN
VARCHAR(5))  BEGIN  SET @NUM = SUBSTRING(ISBNMEAN,3,1)

IF @NUM = 0 THEN  UPDATE STASTICS SET FIELD0 = FIELD0+1 WHERE
CUST_NUM = CUSTOMNUM END IF  IF @NUM = 1 THEN  UPDATE
STASTICS SET FIELD1 = FIELD1+1 WHERE CUST_NUM = CUSTOMNUM
END IF  IF @NUM = 2 THEN  UPDATE STASTICS SET FIELD2 = FIELD2+1
WHERE CUST_NUM = CUSTOMNUM END IF  IF @NUM = 3
THEN  UPDATE STASTICS SET FIELD3 = FIELD3+1 WHERE CUST_NUM =
CUSTOMNUM

END IF  IF @NUM = 4 THEN  UPDATE STASTICS SET FIELD4 = FIELD4+1
WHERE CUST_NUM = END IF  IF @NUM = 5 THEN  UPDATE STASTICS
SET FIELD5 = FIELD5+1 WHERE CUST_NUM = END IF  IF @NUM = 6
THEN  UPDATE STASTICS SET FIELD6 = FIELD6+1 WHERE CUST_NUM =
END IF  IF @NUM = 7 THEN  UPDATE STASTICS SET FIELD7 = FIELD7+1
```

```
WHERE CUST_NUM = END IF  IF @NUM = 8 THEN  UPDATE STASTICS
SET FIELD8 = FIELD8+1 WHERE CUST_NUM = END IF  IF @NUM = 9
THEN  UPDATE STASTICS SET FIELD9 = FIELD9+1 WHERE CUST_NUM =
END IF  END
```

8. Summary

We have developed an important logic using the stored procedure. We are very grateful to out mentor, Dr. Mohammed Ayoub Alaoui Mhamdi. He provides lots of help to improve our understanding of database design. Under his careful guidance for this project, we can use some tools to design a database and implement a website. Thanks to our alma mater, who can give us an opportunity to follow professor's instruction and enjoy a more advanced lifestyle. This project provides us a rational look at the world, and more confidence to learn top tech around the world.

Web site Url: http://aaakor.com/bookstudio/main/index.php

administrator id / pw

id: admin

pw: admin