

Student: Kim Ho Jin

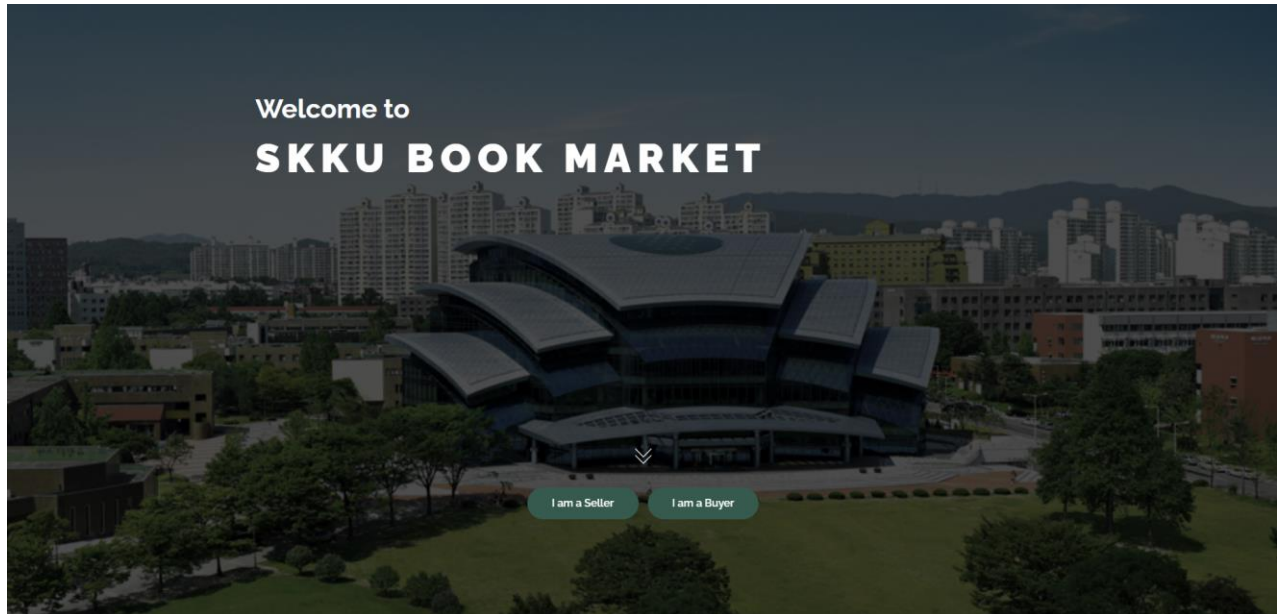
Student ID: 2016314786

Course Section Number: SWE3048_43

WEB PROJECT REPORT [SKKU BOOK MARKET]

1. Page for All Users

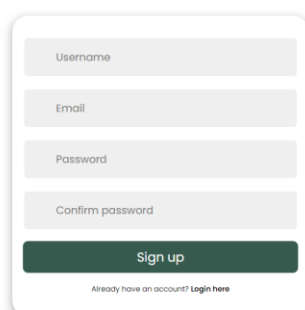
[Home Page]



[Main Function]

- This is the first page you meet when you run the website.
- Select seller or buyer to register: You can choose user type as seller or buyer with buttons.

[Sign-Up Page]

The image shows a sign-up form with the following fields: Username, Email, Password, and Confirm password. Below these fields is a green "Sign up" button. At the bottom of the form, there is a link that says "Already have an account? Login here".

Join with us, Seller!

A sign-up form with the following fields and elements:

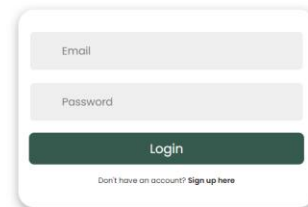
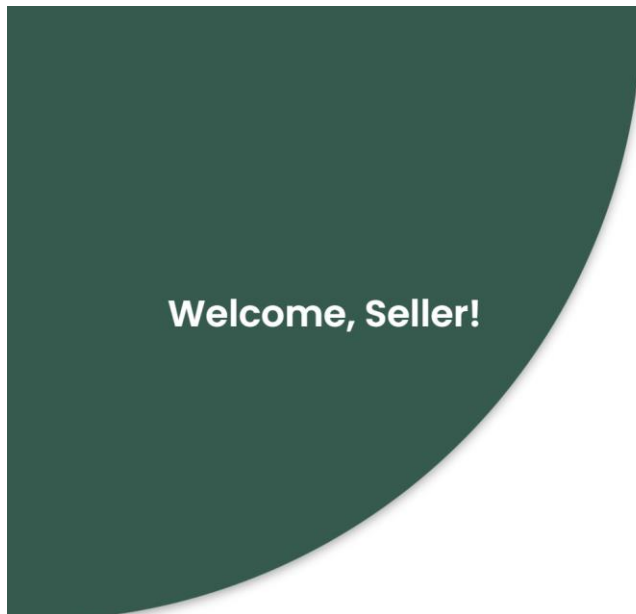
- Username
- Email
- Password
- Confirm password
- Sign up button
- Already have an account? [Login here](#)

Join with us, Buyer!

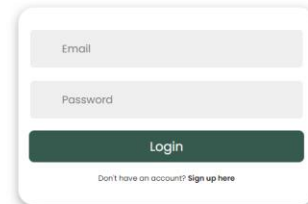
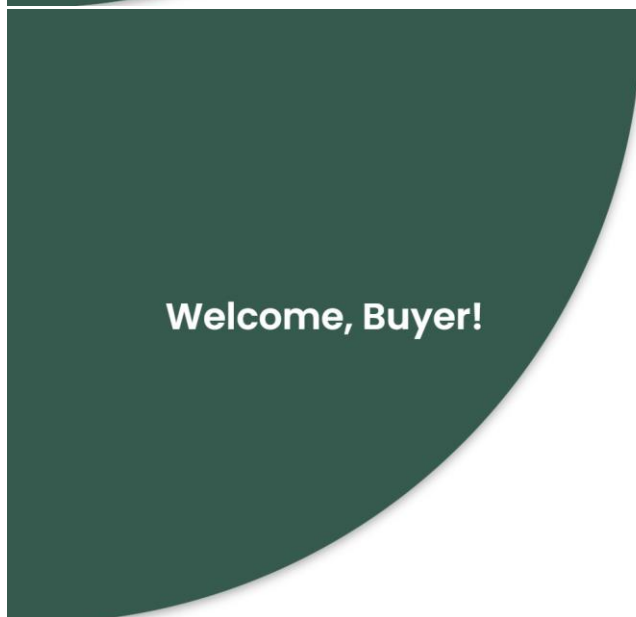
[Main Function]

- Check email form: Verify that the entered email is formatted correctly.
- Check email duplicate: Verify that the database contains data overlaps with the entered email. Since the primary key of the users table in the database is email and user type, same id and different user types can be allowed to register this website.
- Check password and confirm password: Check the entered password and confirm password is the same.
- Check blank form when the 'sign-up' button clicked: If the user does not fill all form and click the button, sign-up fails with warning message. Therefore, the user must fill all forms.
- Create the account: If the user success creates the account, they can login to the website.
- Move to the login page: If the user clicks 'Login here', they can move to login page.

[Login Page]



A login form with two input fields: 'Email' and 'Password'. Below the fields is a dark green 'Login' button. At the bottom, there is a link that says 'Don't have an account? [Sign up here](#)'.



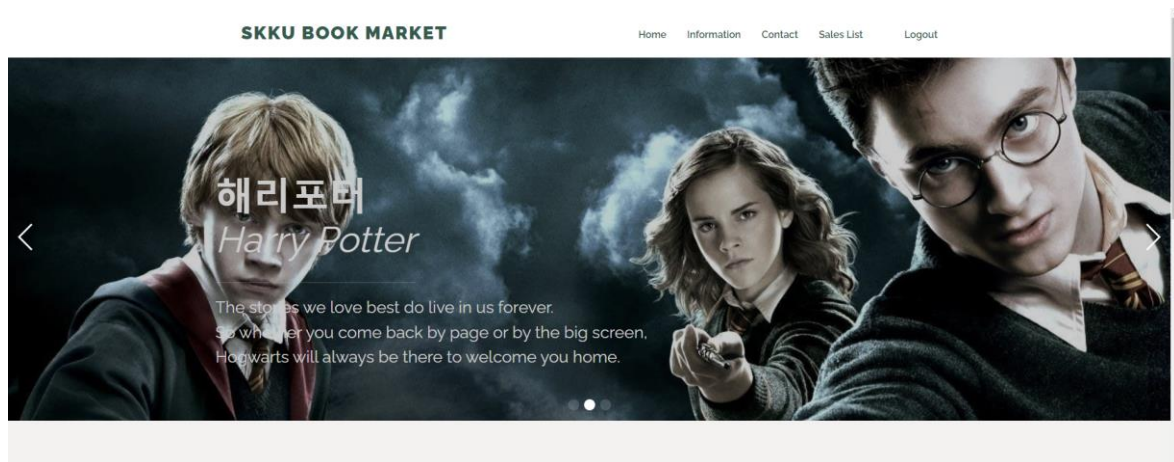
A login form with two input fields: 'Email' and 'Password'. Below the fields is a dark green 'Login' button. At the bottom, there is a link that says 'Don't have an account? [Sign up here](#)'.

[Main Function]

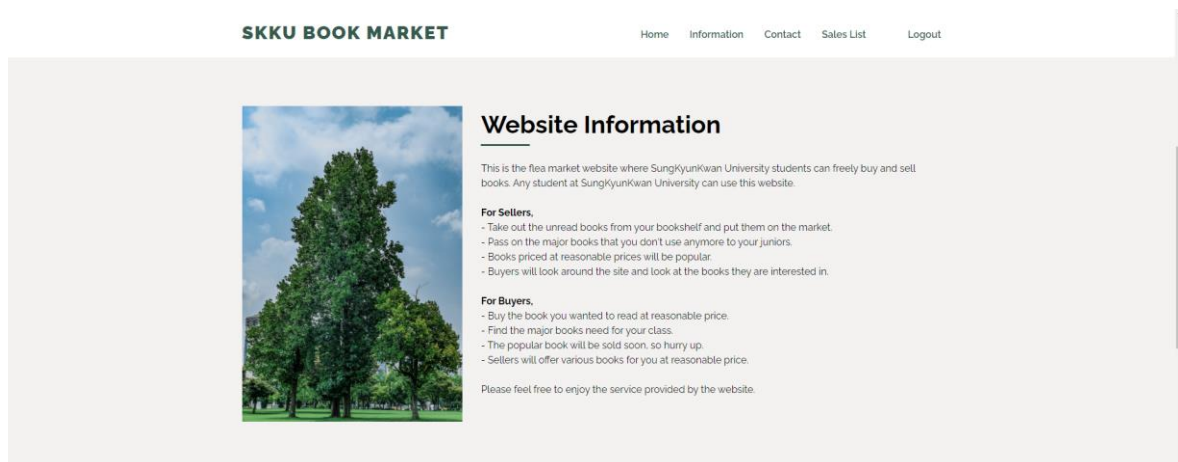
- Check blank form when the 'login' button clicked: If the user does not fill all form and click the button, login fails with warning message. Therefore, the user must fill all forms.
- Check email and password: Check whether user data matching with the entered email and password exists on the database and send the failure message if it does not exist.
- Move to the register page: If user clicks 'Sign up here', they can move to sign-up page.
- Success Login: If user success in login, the user can move to main page as their user type

2. Pages for Sellers

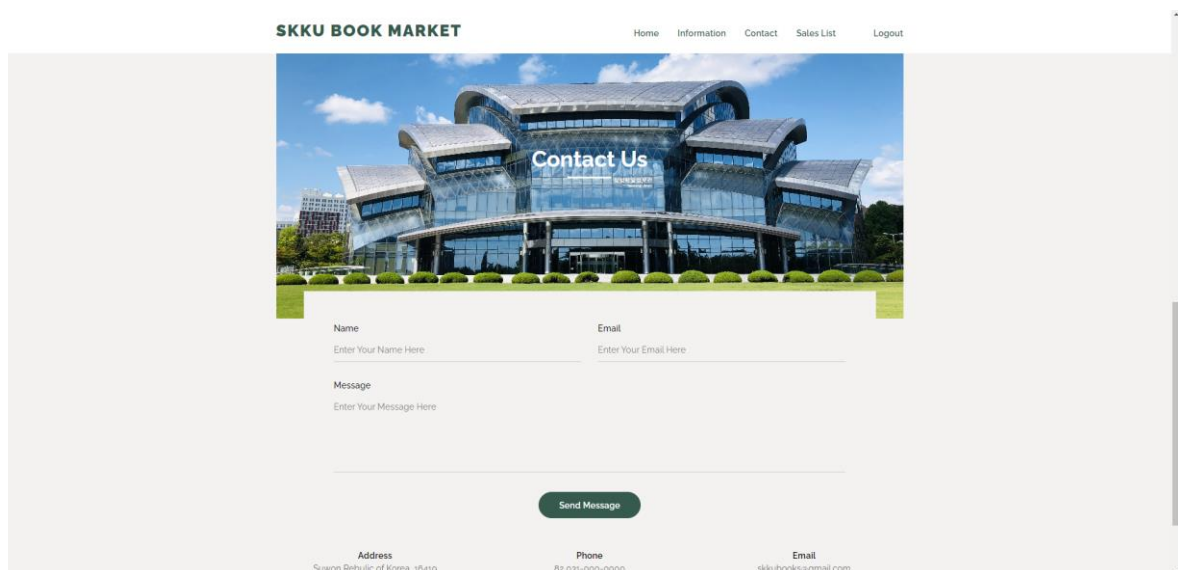
[Main Page – Banner Section]



[Main Page – Website Information Section]



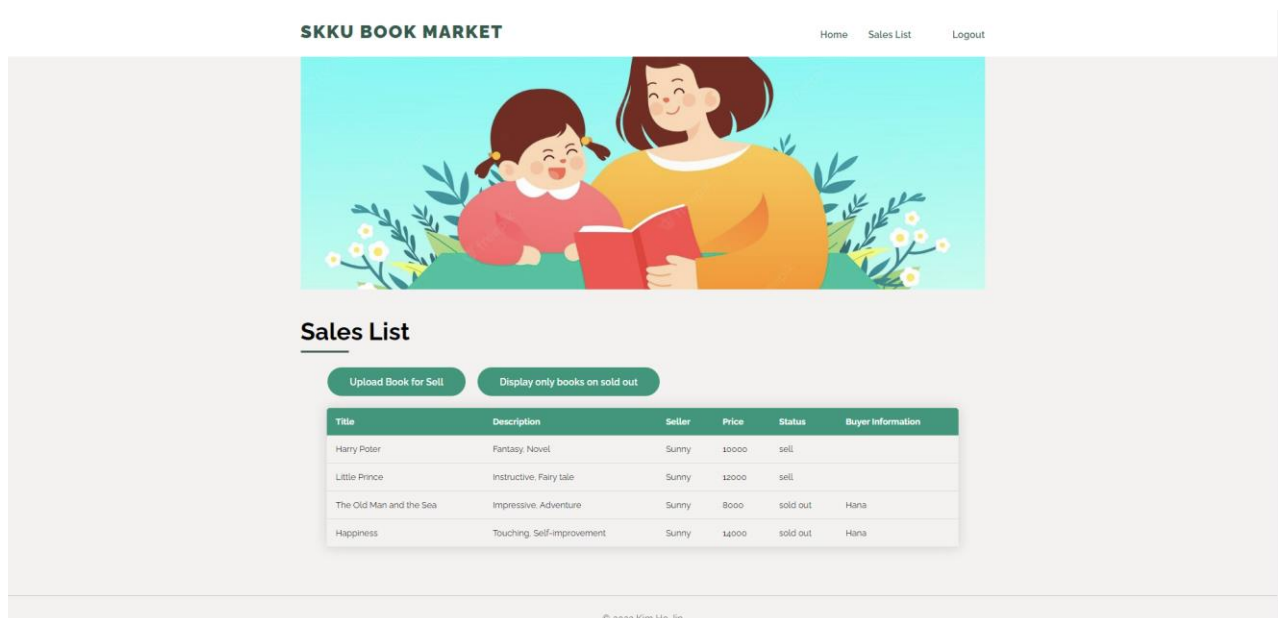
[Main Page – Contact Section]



[Main Function]

- This is the main page for sellers. The overall configuration is the same, but the header shows differently for seller and buyer.
- The seller can move to other sections and pages from the navigation bar. If the seller clicks 'Sales List', they can check the information about the books what they sell. Also, if the seller clicks 'Logout', they can logout from the website and move to the home page.
- In the banner section, posters of popular or recommended books appear in slide format. The slide basically goes over automatically, but the seller can also turn it over himself.
- In the Information section, the seller can find out the purpose of the website.
- In the contact section, the user can contact website developer by leaving a message. These messages are store in the database. If there are any blanks in the list, the message will fail to be sent. Therefore, the user must fill all forms.

[Sales List Page]



SKKU BOOK MARKET Home Sales List Logout

Sales List

Upload Book for Sell Display only books on sold out

Title	Description	Seller	Price	Status	Buyer Information
Harry Potter	Fantasy Novel	Sunny	10000	sell	
Little Prince	Instructive Fairy tale	Sunny	12000	sell	
The Old Man and the Sea	Impressive Adventure	Sunny	8000	sold out	Hana
Happiness	Touching Self-improvement	Sunny	14000	sold out	Hana

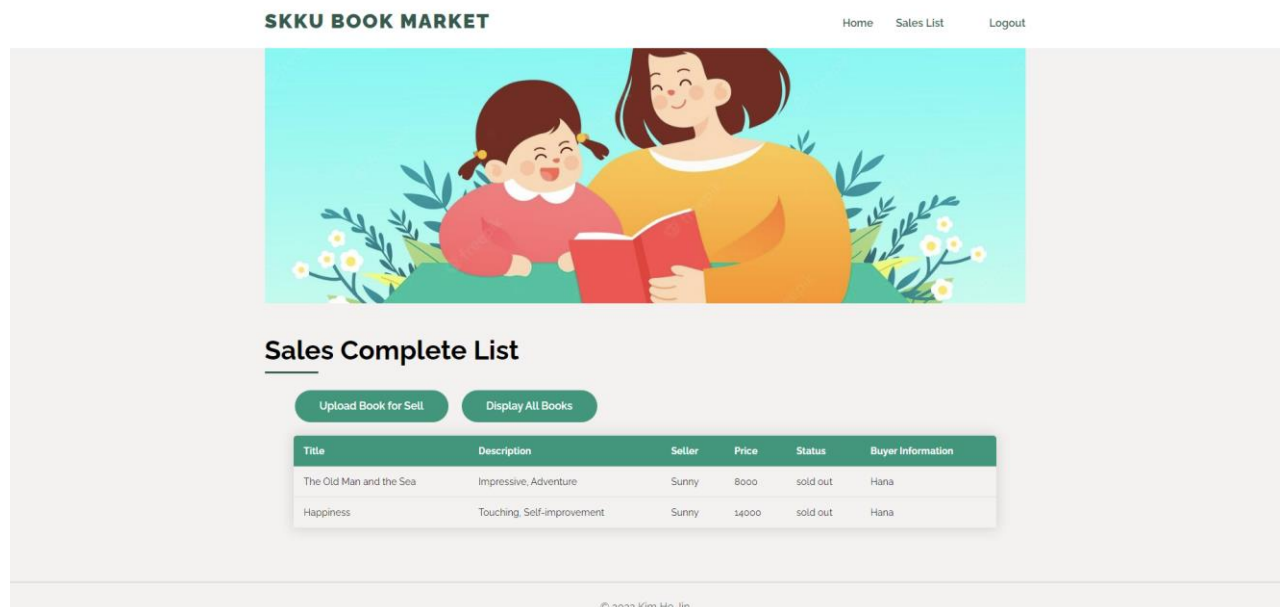
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[Main Function]

- 'Upload Book for Sell' button: This button loads the upload page.
- 'Display only books on sold out' button: This button loads the sales complete list page.

- Sales List: Sellers can see all the information about the books they put on the market.
- Status / Buyer Information column: The status column means the book's status (sell or sold out). If the book is sold, the buyer's name is displayed at buyer information column.
- Sorting the sales list table: When the seller clicks the category title of the sales list table, the program sorts the table in ascending or descending order based on the column value. The price is sorted numerically and the rest are sorted alphabetically.

[Sales Complete List Page]




[Main Function]

- 'Upload Book for Sell' button: This button loads the upload page.
- 'Display All Books' button: This button loads the sales list page.
- Sales Complete List: Sellers can see all the information about the sold book.
- Sorting the sales complete list table: When the seller clicks the category title of the sales complete list table, the program sorts the table in ascending or descending order based on the column value. The price is sorted numerically and the rest are sorted alphabetically.

[Upload Book Page]

SKKU BOOK MARKET[Home](#)[Sales List](#)[Logout](#)



Upload Information

Book Title:
Enter the book title

Book Description:
Enter the simple description of book

Price:
Enter the price of book

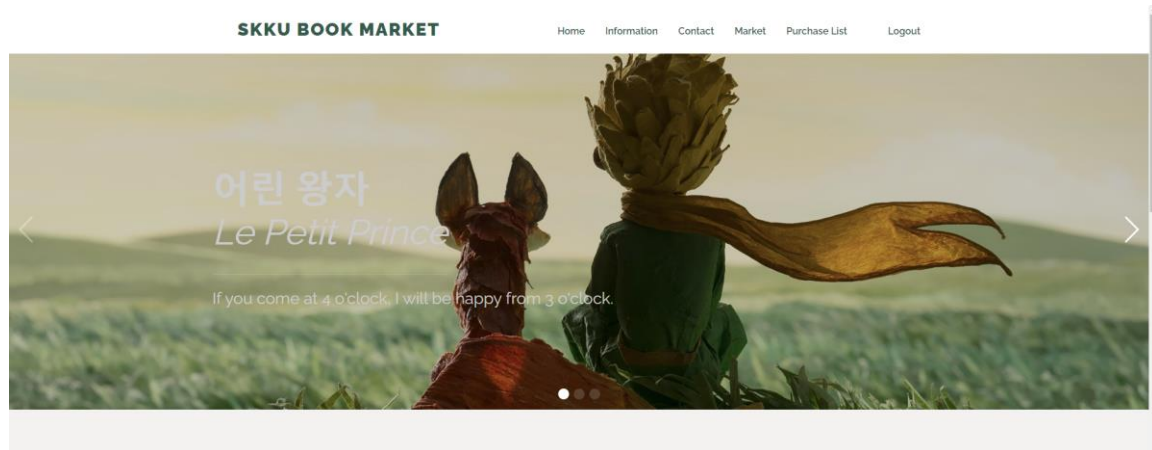
Do you want to upload this book?

[Main Function]

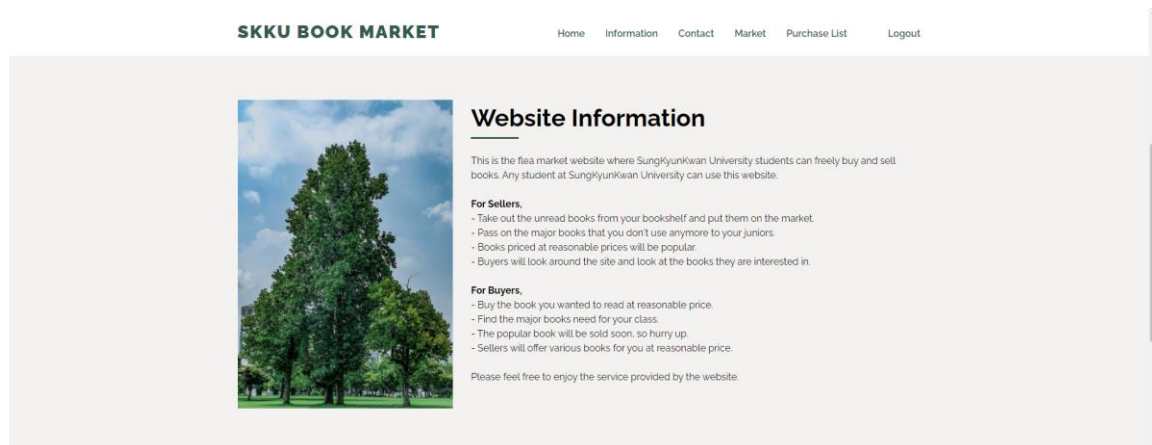
- Upload the product: Seller can upload the books to sell.
- Check blank form: The seller must set the book title, description and price when the 'upload' button is clicked. If the seller does not fill all forms and click the 'upload' button, it alerts there is a blank field.
- Check price is number type: The price only accepts the numeric input.

3. Pages for Buyers

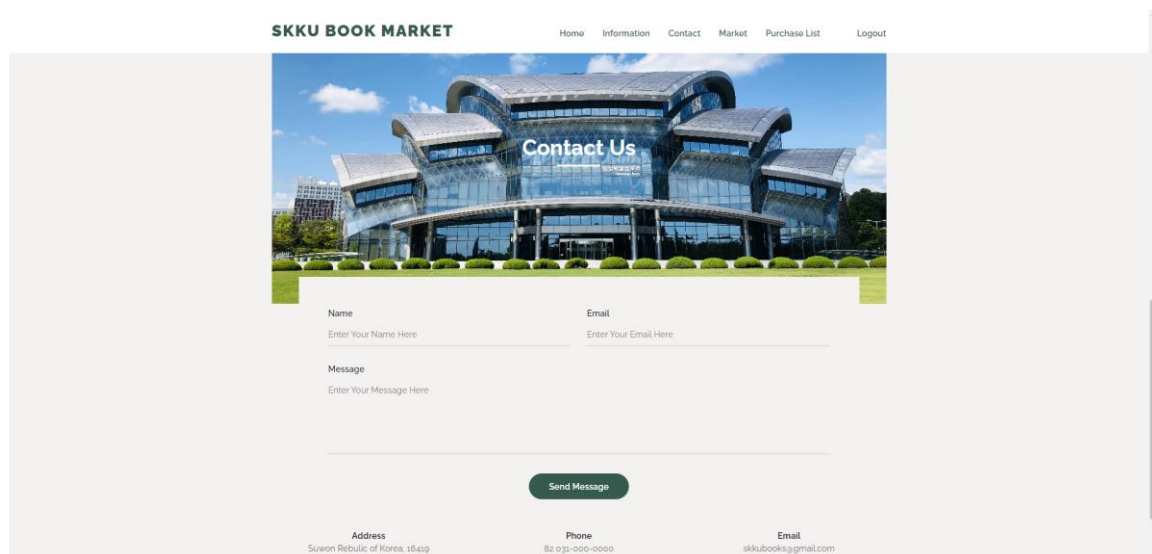
[Main Page – Banner Section]



[Main Page – Website Information Section]



[Main Page – Contact Section]




[Main Function]

- This is the main page for buyers. The overall configuration is the same, but the header shows differently for seller and buyer.
- The buyer can move to other sections and pages from the navigation bar. If the buyer clicks 'Market', they can check the information about all the books uploaded on the website. If the buyer clicks 'Purchase List', they can check the information about books their purchase. Also, the buyer can logout from the website and move to the home page by click 'Logout'.
- In the banner section, posters of popular or recommended books appear in slide format. The slide basically goes over automatically, but the buyer can also turn it over himself.
- In the Information section, the buyer can find out the purpose of the website.
- In the contact section, the user can contact website developer by leaving a message. These messages are store in the database. If there are any blanks in the list, the message will fail to be sent. Therefore, the user must fill all forms.

[Book List Page – Display all books on market]

SKKU BOOK MARKETHomeMarketPurchase ListLogout



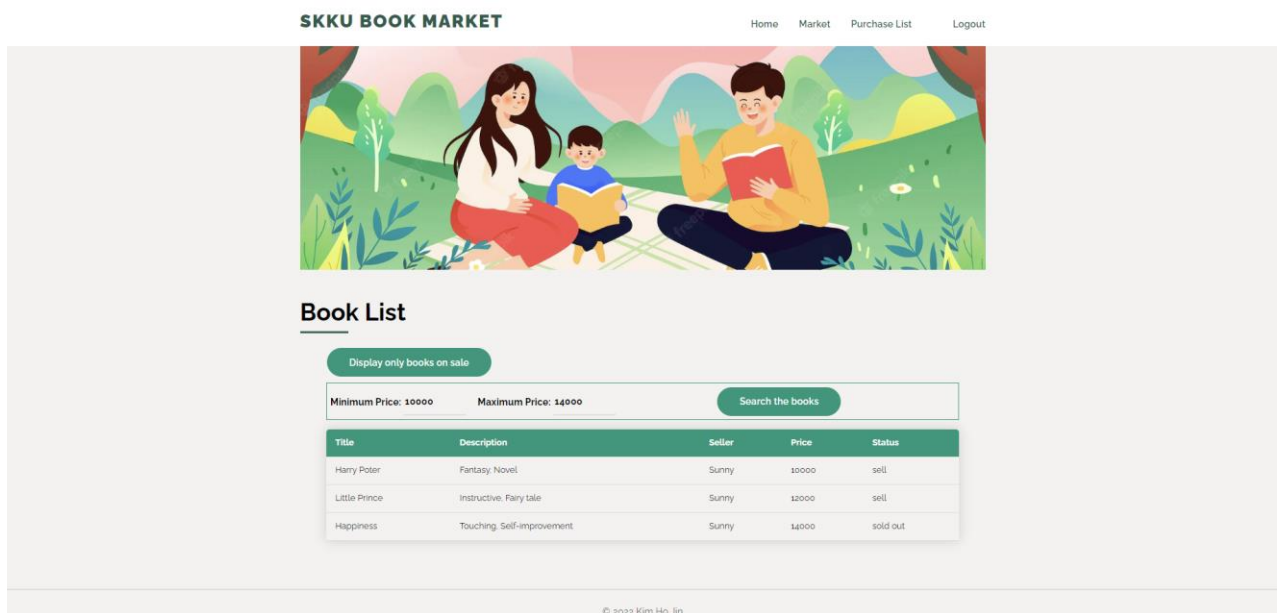
Book List

Display only books on sale

Minimum Price:Maximum Price:Search the books

Title	Description	Seller	Price	Status
Harry Potter	Fantasy, Novel	Sunny	10000	sell
Little Prince	Instructive, Fairy tale	Sunny	12000	sell
The Old Man and the Sea	Impressive, Adventure	Sunny	8000	sold out
Happiness	Touching, Self-improvement	Sunny	14000	sold out
Computer Science	Educate, Major	Hijm	15000	sell
Algorithm	Educate, Basic	Hijm	7000	sold out

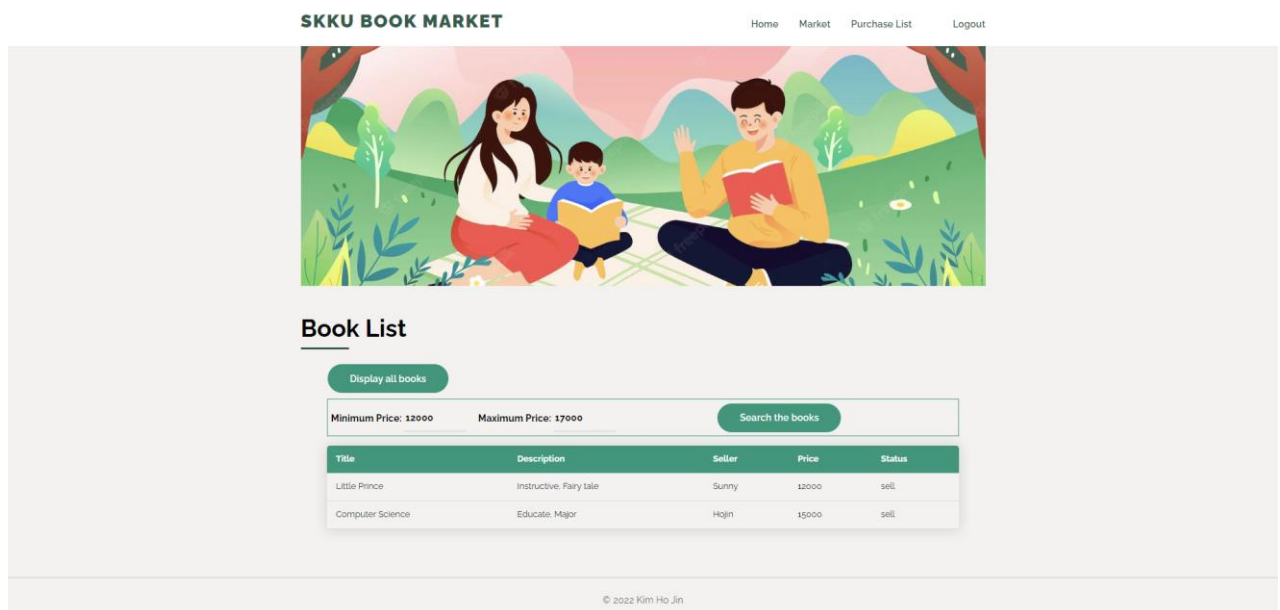
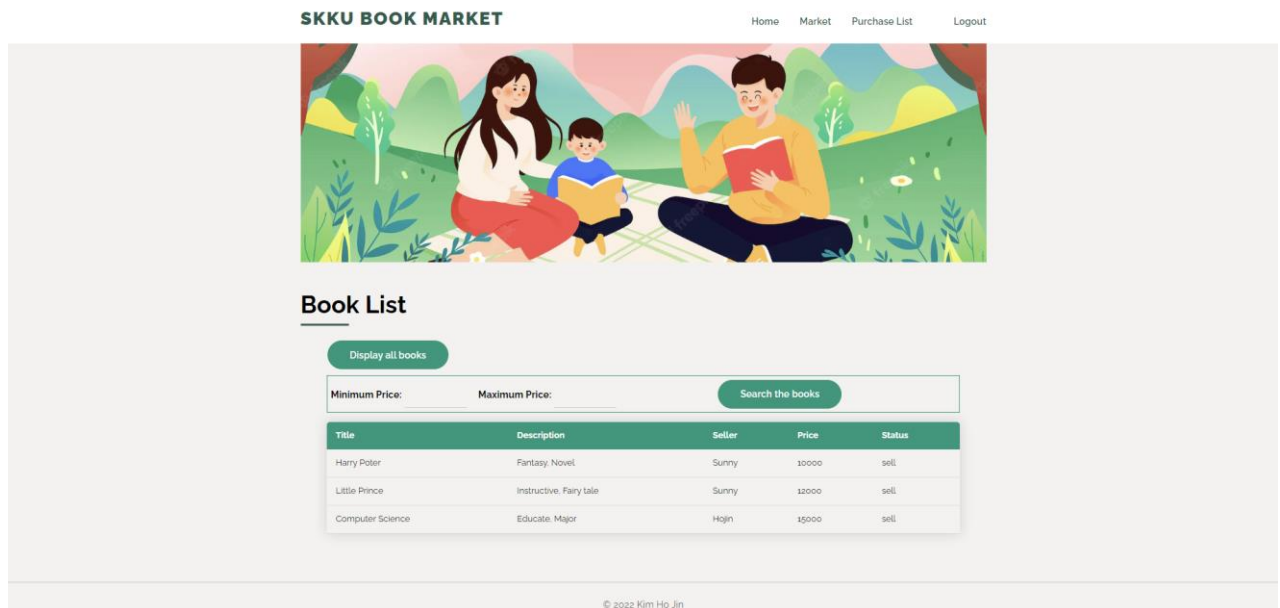
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[Main Function]

- 'Display only books on sale' button: This button loads the book list page that displays only books on sale.
- Check all book list on the market: On this page, the buyer can see all books information on the market.
- Sold book: If the user clicks the table row for purchase and its status is 'sold out', it will alert cannot buy this book.
- Book purchase page: When the buyer clicks the table row for purchase and its status is 'sell', the purchase page will be shown. The buyer can check the book information on this page and proceed with the purchase.
- Search book with the price: Buyer can search the book by price. The buyer can set the minimum and maximum price in the search section. And if the buyer clicks the 'search' button, they can see the books which match their price condition.
- Sorting the book list table: When the buyer clicks the category title of the book list table, the program sorts the table in ascending or descending order based on the column value. The price is sorted numerically and the rest are sorted alphabetically.

[Book List Page – Display only books on sale]

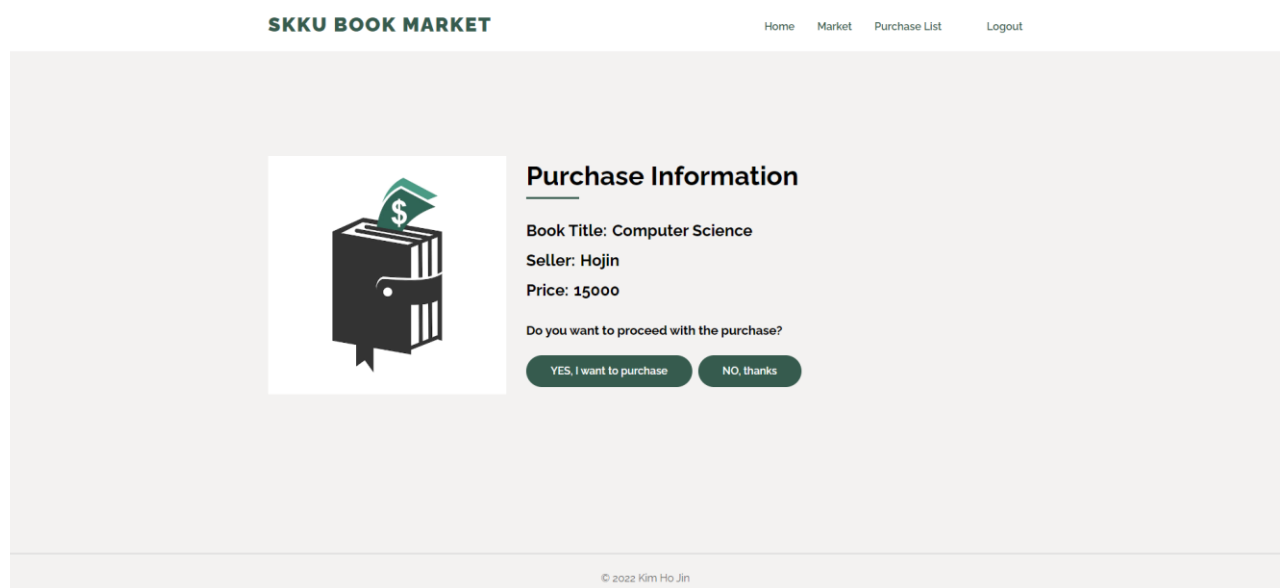


[Main Function]

- 'Display all books' button: This button loads the book list page that displays all books on the market
- Check book list on sale: On this page, the buyer can see only books information on sale.

- Book purchase page: If the buyer clicks the table row for purchase, the purchase page will be shown. The buyer can check the book information on this page and proceed with the purchase.
- Search book with the price: Buyer can search the book by price. The buyer can set the minimum and maximum price in the search section. And if the user clicks the 'search' button, they can see the books which match their price condition.
- Sorting the book list table: When the buyer clicks the category title of the book list table, the program sorts the table in ascending or descending order based on the column value. The price is sorted numerically and the rest are sorted alphabetically.

[Purchase Page]




[Main Function]

- Book information: If the buyer clicks the table row on the book list page, this page will be shown the selected book information. This page consists of book title, seller name and price information
- Purchase book: The buyer can purchase the book by clicking the 'yes' button. When the buyer purchases this book, the book status will change to 'sold out' and reflect the buyer information. Also, the database will be changed.

[Purchase List Page]

SKKU BOOK MARKET[Home](#)[Market](#)[Purchase List](#)[Logout](#)



Purchase List

Title	Description	Seller	Price	Buyer
The Old Man and the Sea	Impressive, Adventure	Sunny	8000	Hana
Happiness	Touching, Self-improvement	Sunny	14000	Hana

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- Check purchase list: On this page, the buyer can see all books information they have purchased.
- Sorting the purchase list table: When the buyer clicks the category title of the purchase list table, the program sorts the table in ascending or descending order based on the column value. The price is sorted numerically and the rest are sorted alphabetically.

4. Database with MySQL

[Table - books]

The screenshot shows the MySQL Workbench interface. On the left, the 'SCHEMAS' pane displays the 'sakila' database and the 'skku_book_market' database. Under 'skku_book_market', the 'Tables' folder is expanded, showing 'books', 'messages', and 'users'. The 'books' table is selected. Below the schema tree, the 'Table: books' structure is shown with columns: idbooks (int AI PK), title (varchar(45)), description (varchar(45)), price (int), status (varchar(45)), seller (varchar(45)), and buyer (varchar(45)).

The main pane shows a SQL query: `SELECT * FROM skku_book_market.books;` The 'Result Grid' displays the following data:

idbooks	title	description	price	status	seller	buyer
1	Harry Potter	Fantasy, Novel	10000	sell	Sunny	NULL
2	Little Prince	Instructive, Fairy tale	12000	sell	Sunny	NULL
3	The Old Man and the Sea	Impressive, Adventure	8000	sold out	Sunny	Hana
4	Happiness	Touching, Self-improvement	14000	sold out	Sunny	Hana
5	Computer Science	Educate, Major	15000	sell	Hojin	NULL
6	Algorithm	Educate, Basic	7000	sold out	Hojin	Duri
*	NULL	NULL	NULL	NULL	NULL	NULL

- The table that stores all book-related data on the website

[Table - messages]

The screenshot shows the MySQL Workbench interface. On the left, the 'SCHEMAS' pane displays the 'sakila' database and the 'skku_book_market' database. Under 'skku_book_market', the 'Tables' folder is expanded, showing 'books', 'messages', and 'users'. The 'messages' table is selected. Below the schema tree, the 'Table: messages' structure is shown with columns: messageID (int AI PK), name (varchar(45)), email (varchar(45)), and message (varchar(450)).

The main pane shows a SQL query: `SELECT * FROM skku_book_market.messages;` The 'Result Grid' displays the following data:

messageID	name	email	message
1	Hojin	borussen@naver.com	I think this website is good!
2	Hana	Hana@gmail.com	I want to buy many books in the website!!
*	NULL	NULL	NULL

- The table that stores all message data sent by the user on the contact section.

[Table - users]

The screenshot displays a database management interface. On the left, the 'SCHEMAS' pane shows a tree view with 'sakila' and 'skku_book_market' databases. Under 'skku_book_market', the 'Tables' folder is expanded, showing 'books', 'messages', and 'users'. The 'users' table is selected. Below the tree, the 'Table: users' section shows its columns: 'email' (varchar(45), PK), 'userName' (varchar(45)), 'password' (varchar(45)), and 'userType' (varchar(45), PK). The main pane shows a SQL query: 'SELECT * FROM skku_book_market.users;'. Below the query, the 'Result Grid' shows the data for the 'users' table.

email	userName	password	userType
borussen@naver.com	Hojin	riaghwls1!	seller
Duri@gmail.com	Duri	2222	buyer
Hana@gmail.com	Hana	1111	buyer
Sezzi@gmail.com	Sezzi	5555	buyer
Sunny@gmail.com	Sunny	3333	seller
NULL	NULL	NULL	NULL

- The table for managing data containing website user information.