FPT ACADEMY INTERNATIONAL

FPT – APTECH COMPUTER EDUCATION

Online Bookstore

Supervisor: *LÊ THANH NHÂN*

Semester: *II*

Batch No: *T1.2206.E1*

Group No: *01*

Order:	**Full name**	**Roll No.**
1.	*Nguyễn Ngọc Bảo Duy*	*Student1387810*
2.	*Bùi Nguyễn Hải Trí*	*Student1387799*
3.	*Trịnh Hoàng Phước Sang*	*Student1387804*
4.	*Lê Mai Minh Thiện*	*Student1387909*

***Month**: 03 **Year**: 2023*

This is to certify that

Mr. ***Nguyễn Ngọc Bảo Duy***

Mr. ***Bùi Nguyễn Hải Trí***

Mr. ***Trịnh Hoàng Phước Sang***

Mr. ***Lê Mai Minh Thiện***

Have successfully Designed & Developed

Online Bookstore

Submitted by:

Mr. LE THANH NHAN

Date Of Issue:

Authorized Signature:

Content

Content

Acknowledge

Synposis

Review1 01

Review2 ..... (điền số trang theo thực tế)

Review3 ..... (điền số trang theo thực tế)

Testting Document ..... (điền số trang theo thực tế)

Final Checklist ..... (điền số trang theo thực tế)

Tasksheet ..... (điền số trang theo thực tế)

Acknowledge

As we understand that the Project is a step-by- step learning environment that closely simulates the class-room and Lab based learning environment into actual implementation. It is a projectimplementation at your fingertips!! An electronic, live juncture on the machine that allows you to.

✓ Practice step by step i.e. laddered approach.

✓ Build a larger more robust application.

✓ Usage of certain utilities in applications designed by user.

✓ Single program to unified code leading to a complete application.

✓ Learn implementation of concepts in a phased manner.

✓ Enhance skills and add value.

✓ Work on real life projects.

✓ Give a real life scenario and help to create applications more complicated and useful.

✓ Mentoring through email support.

We would like to send a great thank to our professor, Mr Le Thanh Nhan and others student for the addorable supports during the time in project.

Beside serveral mistakes we had made in the project, we hope to have more oppotunities to widen our knownledge in web developing world.

We also thank you so much for your infomation and the “demo” project from India APTECH to help us get more reality experience in this project. Since we have gained more experience from this project, we will not stop learning any thing as much as we can to be more successful in the future.

Your Sincerely,

Team Group 01.

Synposis

The Objective of this program we aim is to give a sample project to work on real life projects. These applications help us build a larger more robust application.

The objective is not to teach us front-end or back-end technology but to provide us with a real life scenario and help us create basic applications using the tools.

Hence, we can revise the chapters before we start with the project.

This project is meant for students like us who have completed the module of Semester II, as well as special subjects those are Java and PHP. These programs should be done in the Lab sessions with assistance of the faculty if required.

The website (in this project) is a world that brings everything about the potteries and crockeries into your experience.

It is very essential for us that will have a clear understanding of the subject. We think we should go through the project and solve the assignments as per requirements given.

Review 01

Problem Definition

Papyrus.com offers huge collection of books in diverse category of Fiction, Non-fiction, Biographies, History, Religions, Self -Help, Children. We also sell in vast collection of Investments and Management, Computers, Engineering, Medical, College and School text references books proposed by different institutes as syllabus across the country. Besides to this, we also offer a large collection of E-Books at very fair pricing.

We attempt to extend the customer satisfaction by catering easy user-friendly search engine, quick and user-friendly payment options and quicker delivery systems. Upside to all of this, we are disposed to provide exciting offers and pleasant discounts on our books.

✓ Provide function for member register.

✓ Provide information of the product to customers and members.

✓ Provide shopping cart function so customers and members can order products.

✓ The member can take their Privacy through Member Control Panel (MCP)

✓ Receive comments and ratings from customers and members to improve service quality as well as product quality.

An Admin Control Panel (ACP) that support about management system:

✓ Administrators the ability to add, update product information quickly and accurately.

✓ Administrators the ability to manage members and their feebback, comment or rating.

✓ Administrators the ability to manage delivery progress belong to orders.

✓ Administrators the ability report statistics.

The Role of User and Admin:

Customer Requirements Specifications

1. User:

✓ Can register as a member and manage personal account.

✓ Can view and buy products.

✓ Can give feedback, comment, rate about products.

✓ Can view their orders.

2. Administrator

✓ Can add / edit / deactivate products and categories.

✓ Can view customer's information or deactivate an account.

✓ Can reply the feedback or comment.

✓ Can view all orders and approve orders.

✓ Can view report statistics.

User:

input:

- Member registration data.
- Order's selected products.
- Feedbacks about products

Process:

- Search products from database by categories, by product types.
- Process customer registration information.
- Process product's feedback.
- Process customer orders.

Output:

- Notification of successful registration / failure.
- Product information.
- Notification of successful making order.

Webmaster:

input:

- Administrator login data.
- Product and category data to add / edit / delete.
- Member data to be search / delete.
- Order data to be search / approve.

Process:

- Add / edit / delete products.
- View information of all members.
- Change member account's status.
- View all orders.
- Update order status.

Output:

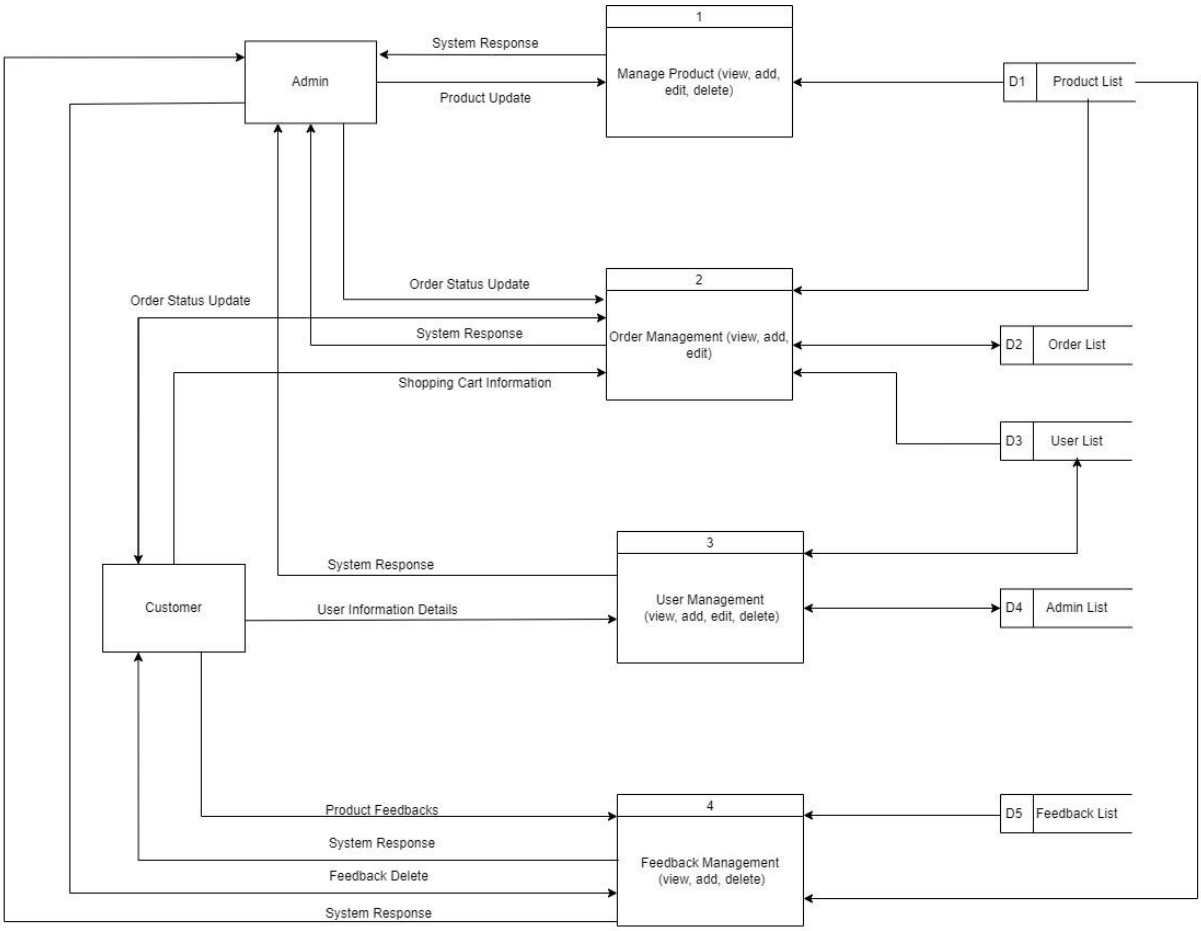
- Notification to add / edit / delete products success / failure.
- Notification to change member account's status.
- Notification to update order's status.

Hardware / software requirement

Sr.	Item	Description
1.	Operating system	Windows 7, 8, or higher
2.	Hardware	CPU Cores or better with 2 Gigabytes of RAM or better
3.	Web Browser	Version in later of: Edge, Firefox, Chrome, etc…
4.	Fonts	Standard font Unicode: Arial, Tahoma, Lucida Console, Times New Roman, etc…
5.	Other requirement	NodeJS, Git, XAMPP 7.3 or later | A working internet connection.

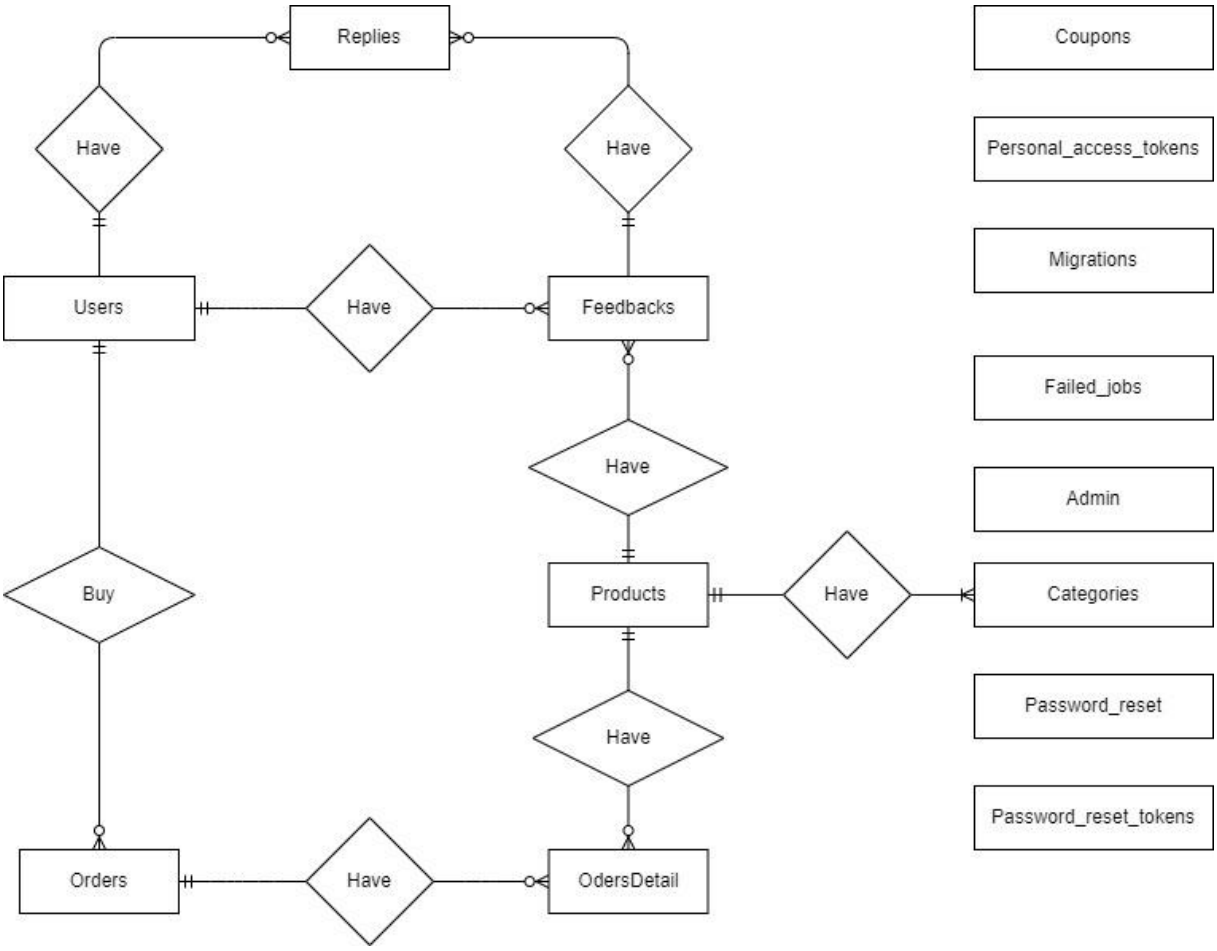
Review 02

Data Flow Diagram

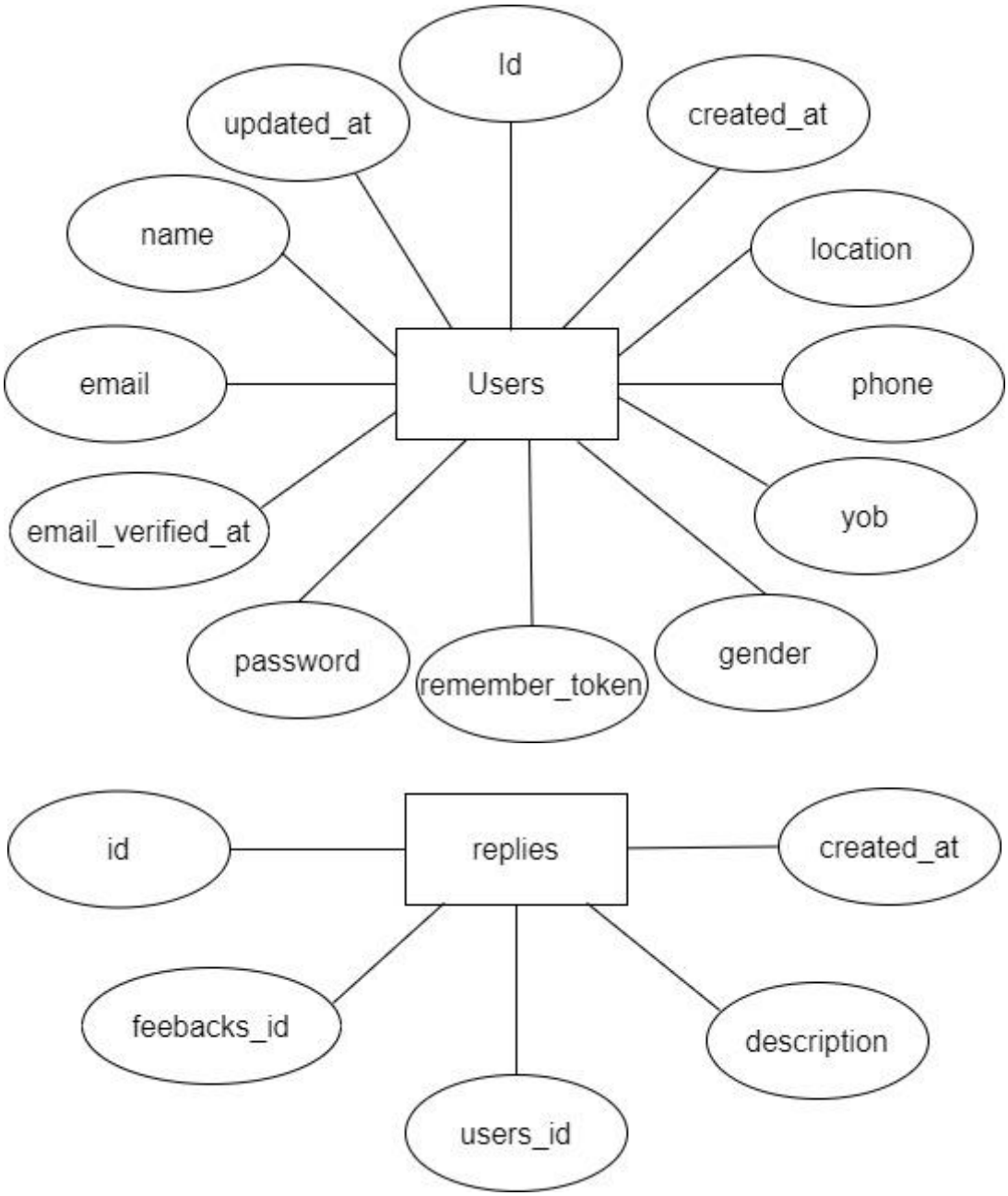


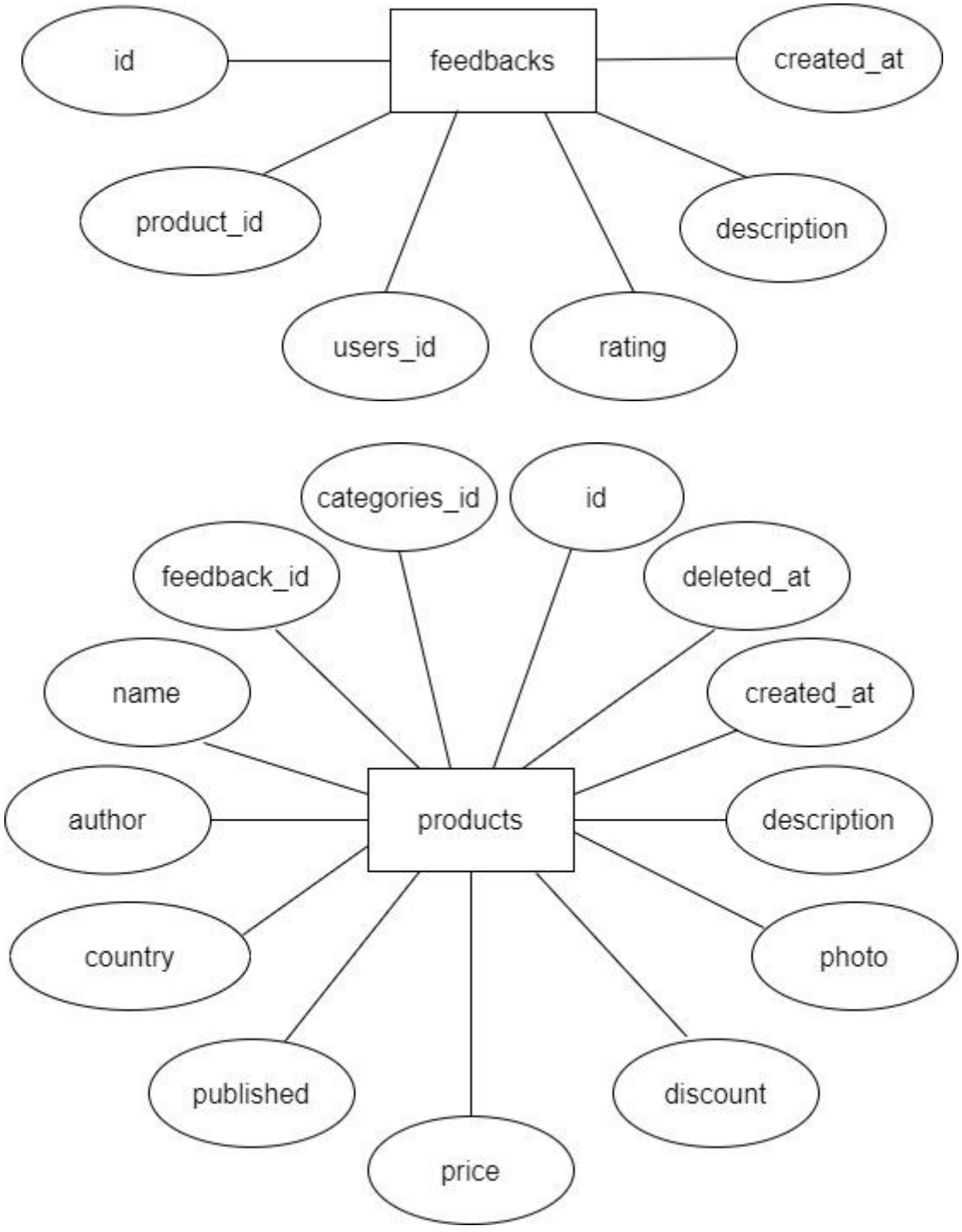
	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 01	LE THANH NHAN
Signature		
Date		

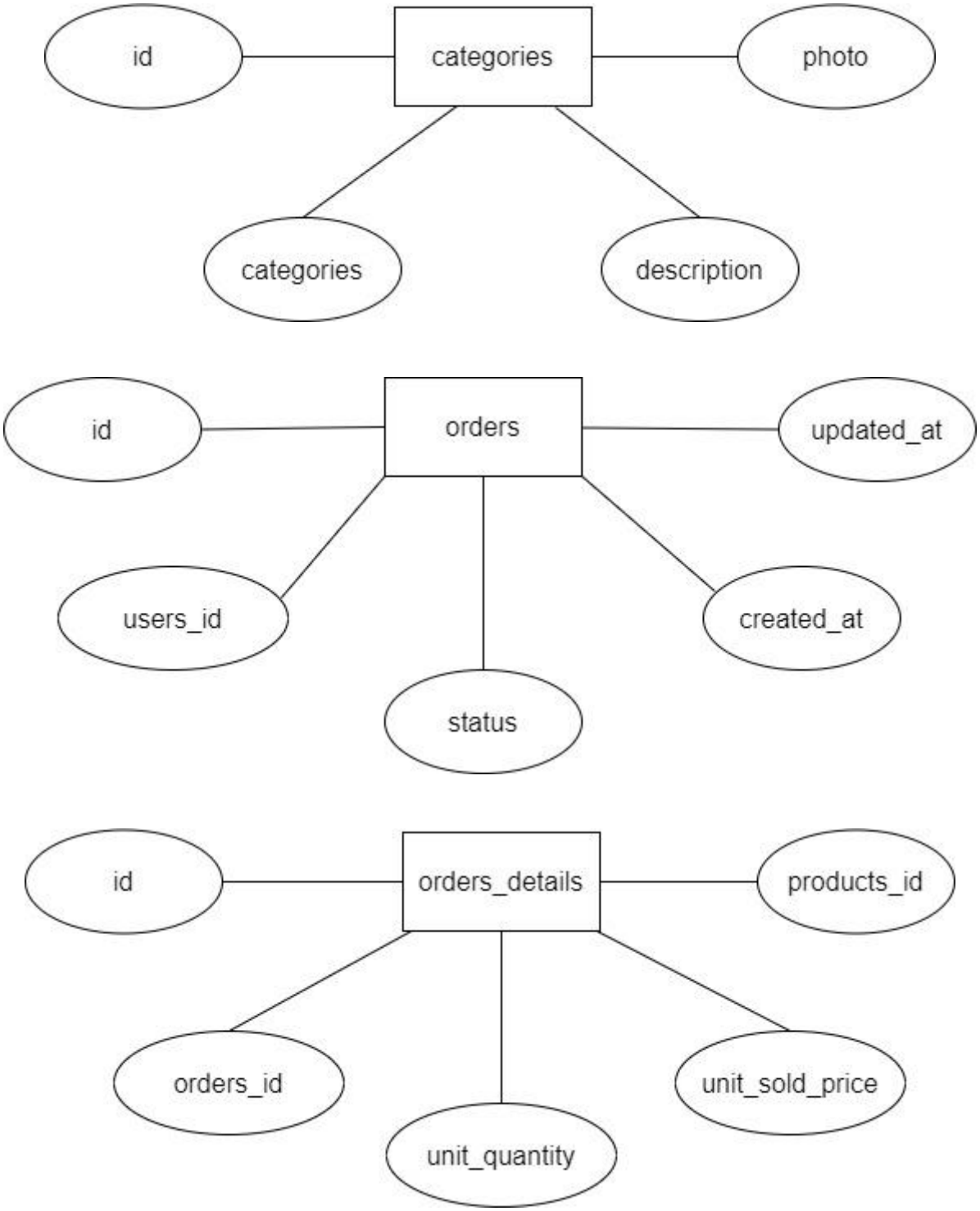
A. Entity Relationship Diagram

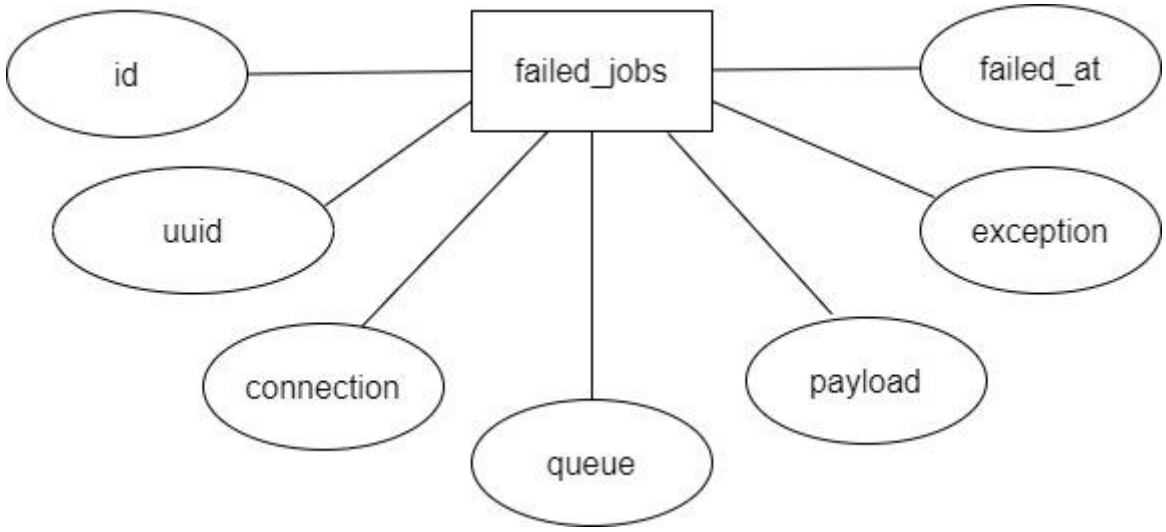


B. Entity Attributes




id
feedbacks
created_at
product_id
description
users_id
rating
categories_id
id
feedback_id
deleted_at
name
created_at
author
products
description
country
photo
published
discount
price


id
categories
photo
categories
description
id
orders
updated_at
users_id
created_at
status
id
orders_details
products_id
orders_id
unit_sold_price
unit_quantity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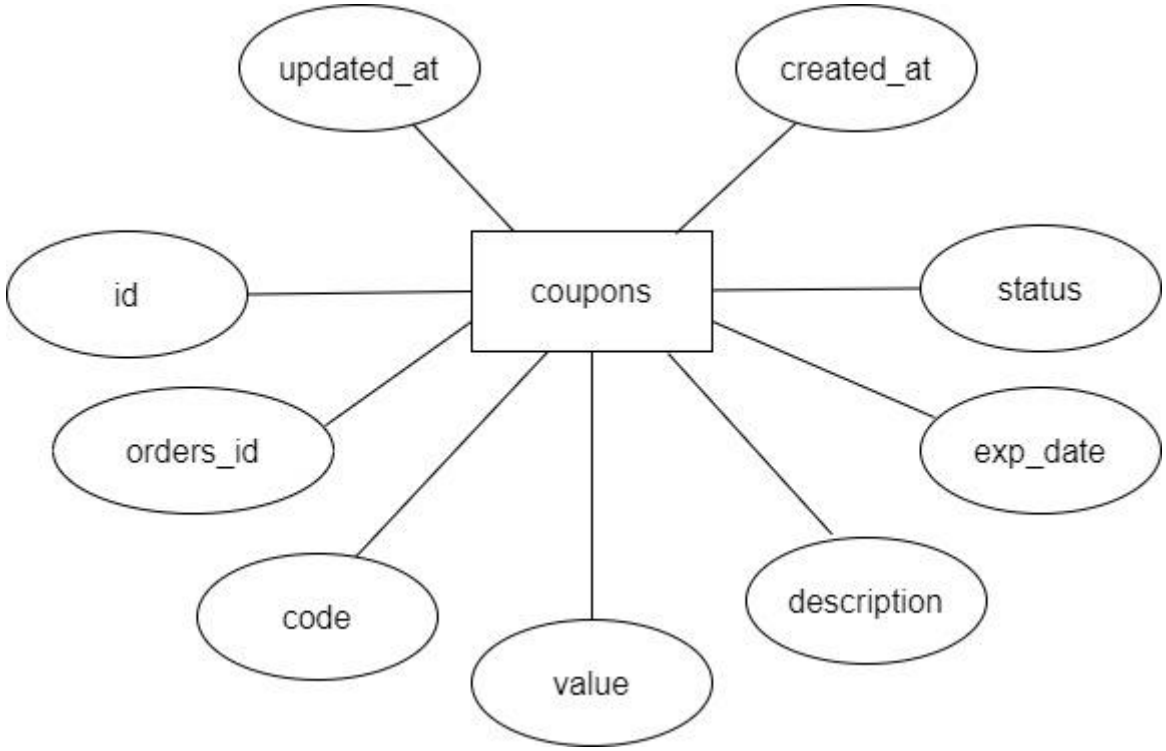
failed_at
uuid
exception
connection
payload
queue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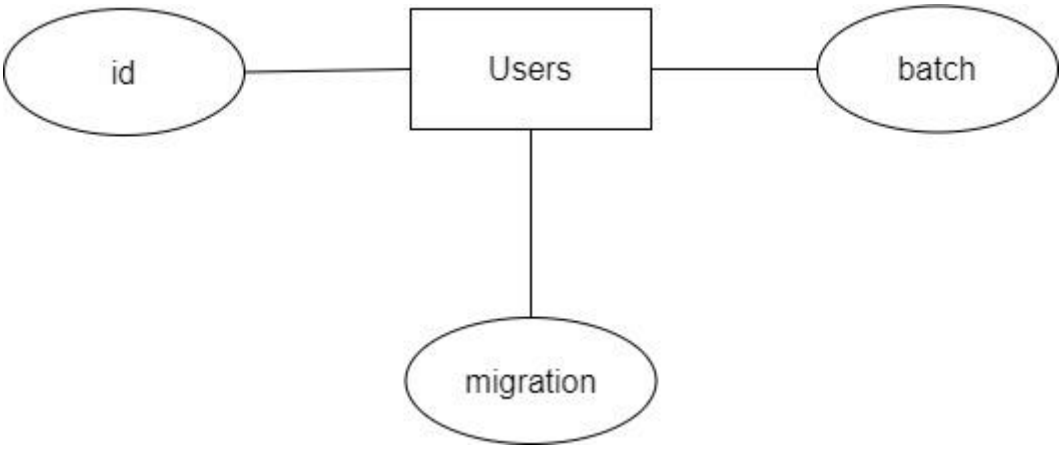
updated_at
created_at
id
status
orders_id
exp_date
code
description
value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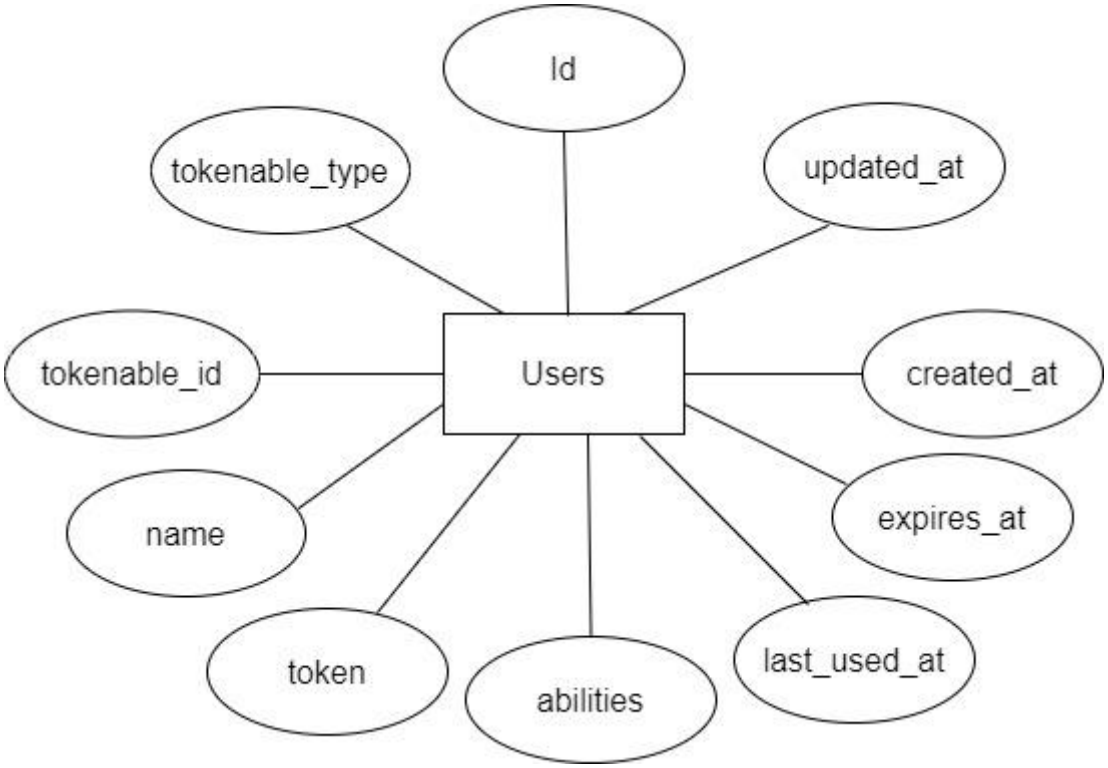
Users
batch
migration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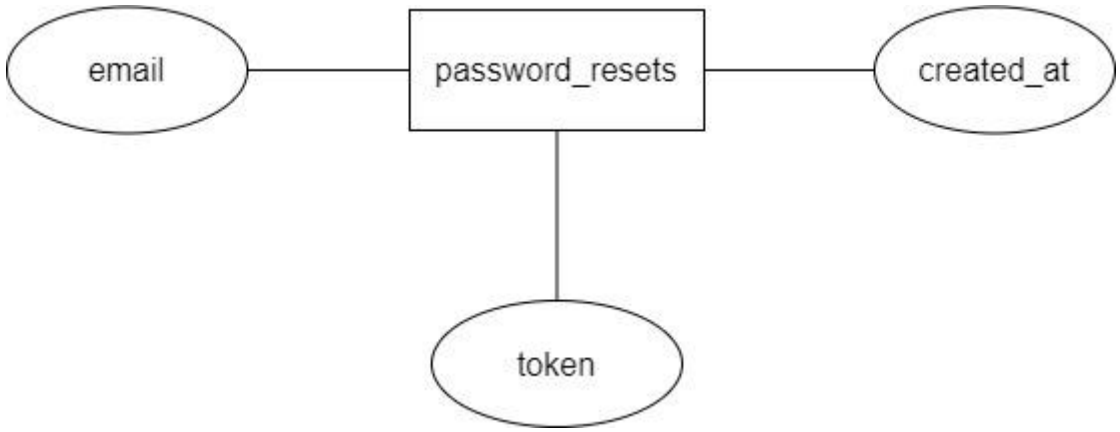
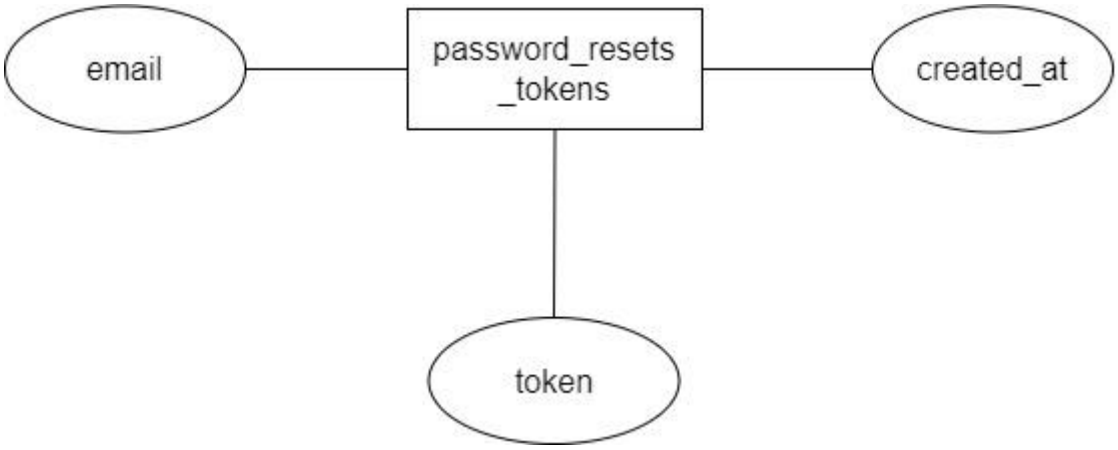
updated_at
tokenable_id
Users
created_at
name
expires_at
token
abilities
last_used_at


email
password_resets
created_at
token


email
password_resets
_tokens
created_at
token

A. Table Design

products					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	Id	BIGINT(20)	Primary key	Not null	Product identification
2	categories_id	BIGINT(20)	Foreign key	Not null	Category identification
3	name	VARCHAR(150)		Not null	Product's name
4	author	VARCHAR(150)		Not null	Books' author
5	country	VARCHAR(45)		Not null	Books' country
6	published	INT(11)		Not null	Publish date
7	price	DECIMAL(4, 2)		Not null	Product's price
8	discount	DECIMAL(3, 2)		Not null	Product's discount
9	photo	VARCHAR(150)		Not null	Product's picture
10	description	TEXT		Not null	Product's description
11	created_at	TIMESTAMP		Not null	Created date
12	deleted_at	TIMESTAMP		Null	Deleted date

categories					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	id	BIGINT(20)	Primary key	Not null	Category identification
2	categories	VARCHAR(45)	Foreign key	Not null	Books' category
3	description	TEXT		Not null	Books' description
4	photo	VARCHAR(150)		Not null	Books' picture

feedbacks					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	id	BIGINT(20)	Primary key	Not null	Feedback identification
2	products_id	BIGINT(20)	Foreign key	Not null	Product identification
3	users_id	VARCHAR(50)	Foreign key	Not null	Customer's identification
4	rating	INT(11)		Not null	Customer’s rating
5	description	TEXT		Not null	Feedback's comment
6	created_at	TIMESTAMP		Not null	Feedback’s created date

replies					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	id	BIGINT(20)	Primary key	Not null	Reply identification
2	feedbacks_id	BIGINT(20)	Foreign key	Not null	Feedback identification
3	users_id	VARCHAR(50)	Foreign key	Not null	Customer's identification
4	description	TEXT		Not null	Feedback's comment
5	created_at	TIMESTAMP		Not null	Feedback’s created date

users					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	id	BIGINT(20)	Primary key	Not null	Customer identification
2	name	VARCHAR(150)		Not null	Customer name
3	email	VARCHAR(150)		Not null	Customer email
4	email_verified_at	TIMESTAMP		Null	Email verified date
5	password	VARCHAR(150)		Not null	Customer’s password

6	remember_token	VARCHAR(100)		Null	Customer's remember token
7	gender	VARCHAR(45)		Null	Customer gender
8	yob	DATE		Null	Customer birthday
9	phone	VARCHAR(45)		Null	Customer phone number
10	location	VARCHAR(150)		Null	Customer address
11	created_at	TIMESTAMP		Not null	Register date
12	updated_at	TIMESTAMP		Not null	Updated date

orders					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	id	BIGINT(20)	Primary key	Not null	Order identification
2	users_id	BIGINT(20)	Foreign key	Not null	Customer identification
3	status	VARCHAR(191)		Not null	Order's status
4	created_at	TIMSTAMP		Not null	Order's created date
5	updated_at	TIMESTAMP		Not null	Order's updated date

order_detail					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	id	BIGINT(20)	Primary key	Not null	Order detail identification
2	orders_id	BIGINT(20)	Foreign key	Not null	Order identification
3	products_id	BIGINT(20)	Foreign key	Not null	Product identification
4	unit_quantity	INT(11)		Not null	Product's quantity
5	Unit_sold_price	DECIMAL(6,2)		Not null	Product's price

personal_access_tokens					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	id	BIGINT(20)	Primary key	Not null	Personal access token id
2	tokenable_type	VARCHAR(191)		Not null	Tokenable type
3	tokenable_id	BIGINT(20)		Not null	Tokenable identification
4	name	VARCHAR(191)		Not null	Personal access token name
5	token	VARCHAR(64)		Not null	Token
6	abilities	TEXT		Null	Personal access token ability
7	last_used_at	TIMESTAMP		Null	Last used date
8	expires_at	TIMESTAMP		Null	Expire date
9	created_at	TIMESTAMP		Null	Created date
10	udpated_at	TIMESTAMP		Null	Updated date

password_resets					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	email	VARCHAR(191)		Not null	Email
2	token	VARCHAR(191)		Not null	Token
3	created_at	TIMESTAMP		Null	Created date

password_reset_tokens					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	email	Varchar(191)	Primary key	Not null	Email
2	token	varchar(128)		Not null	Token
3	created_at	Timestamp		Null	Created date

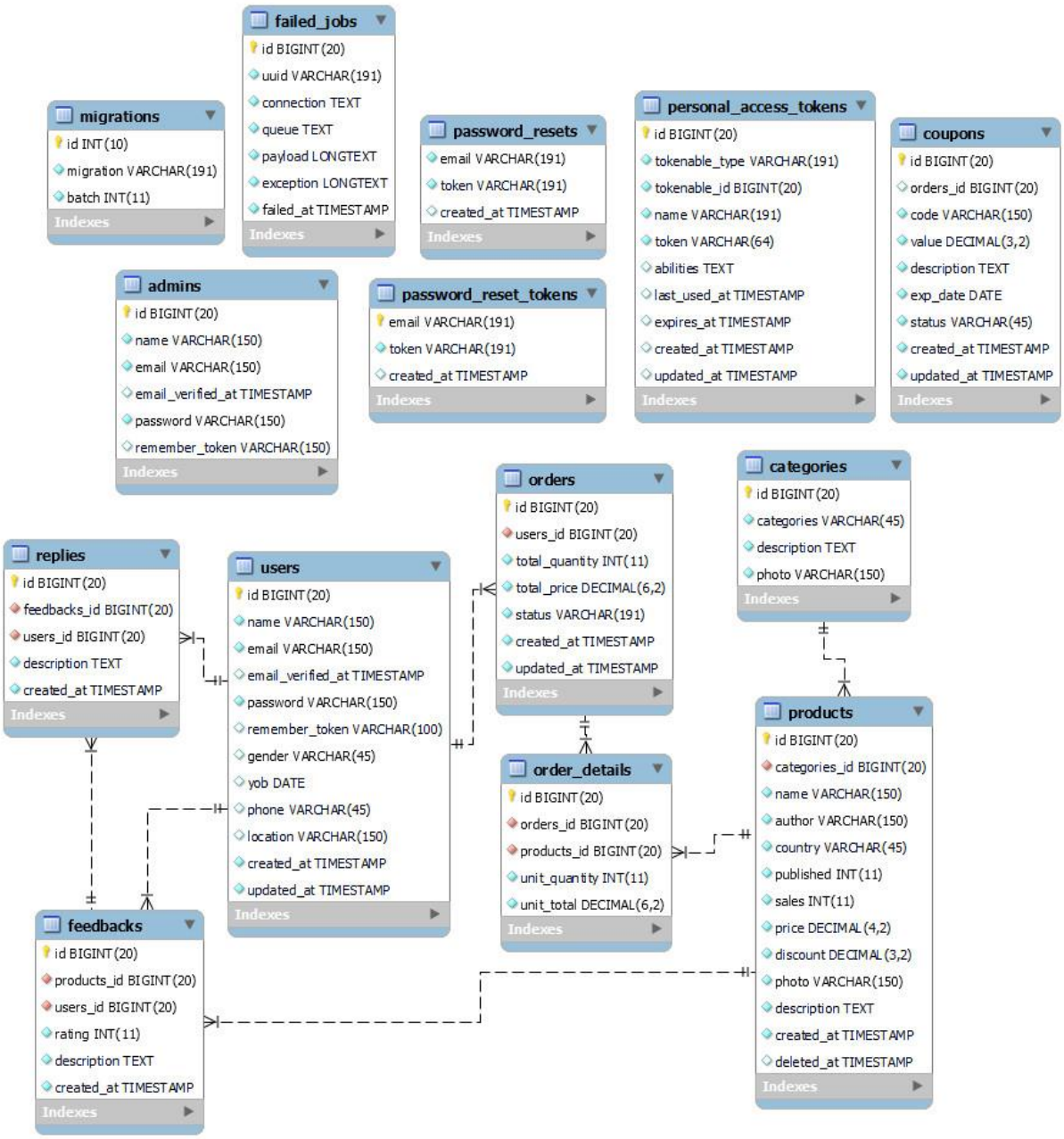
failed_jobs					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	id	BIGINT(20)	Primary key	Not null	Failed job identification
2	uuid	VARCHAR(191)		Not null	Uu identification
3	connection	TEXT		Not null	Connection
4	queue	TEXT		Not null	Queue
5	payload	LONGTEXT		Not null	Payload
6	exception	LONGTEXT		Not null	Exception
7	failed_at	TIMESTAMP		Not null	Faled job date

migrations					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	id	INT(10)	Primary key	Not null	Migration identification
2	migration	VARCHAR(191)		Not null	Migration
3	batch	INT(11)		Not null	Migration batch

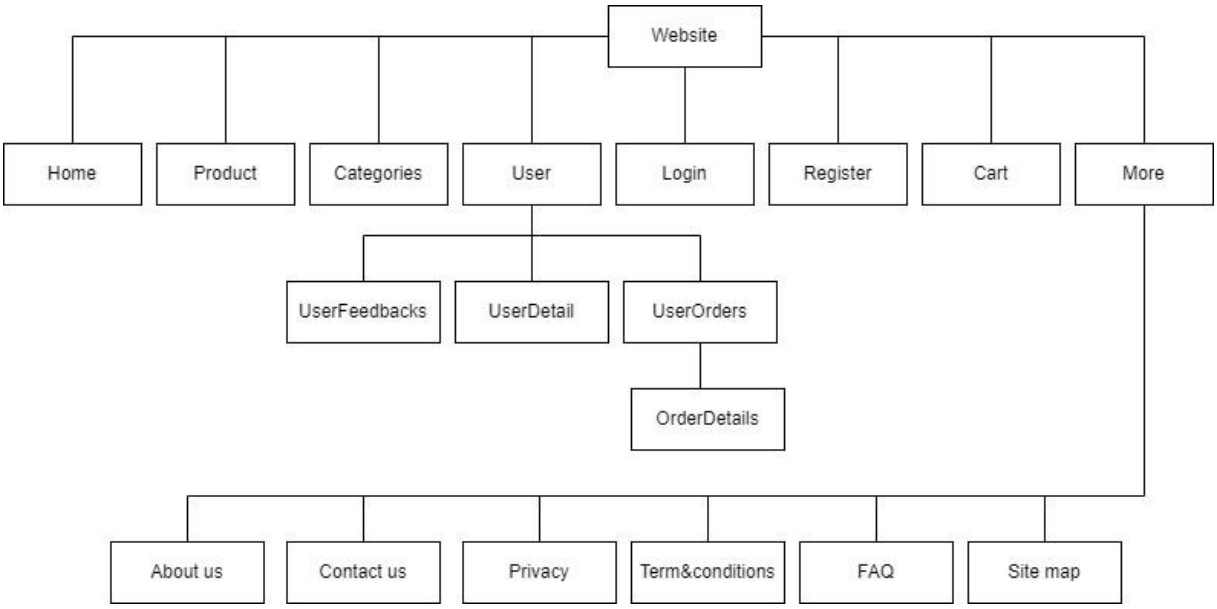
admins					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	id	BIGINT(20)	Primary key	Not null	Admins identification
2	name	VARCHAR(150)		Not null	Admin’s name
3	email	VARCHAR(150)		Not null	Admin’s email
4	email_verified_at	TIMESTAMP		Null	Email verified date
5	password	VARCHAR(150)		Not null	Admin’s password
6	remember_token	VARCHAR(150)		Null	Remember token

coupons					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	id	BIGINT(20)	Primary key	Not null	Coupon identification
2	orders_id	BIGINT(20)		null	Order identification
3	code	VARCHAR(150)		Not null	Coupon code
4	value	DECIMAL(3,2)		Not null	Coupon value
5	description	TEXT		Not null	Coupon description
6	exp_date	DATE		Not null	Expire date
7	status	VARCHAR(45)		Not null	Coupon status
8	created_at	TIMESTAMP		Not null	Created date
9	updated_at	TIMESTAMP		Not null	Updated date

B. Relationship Diagram



SiteMap



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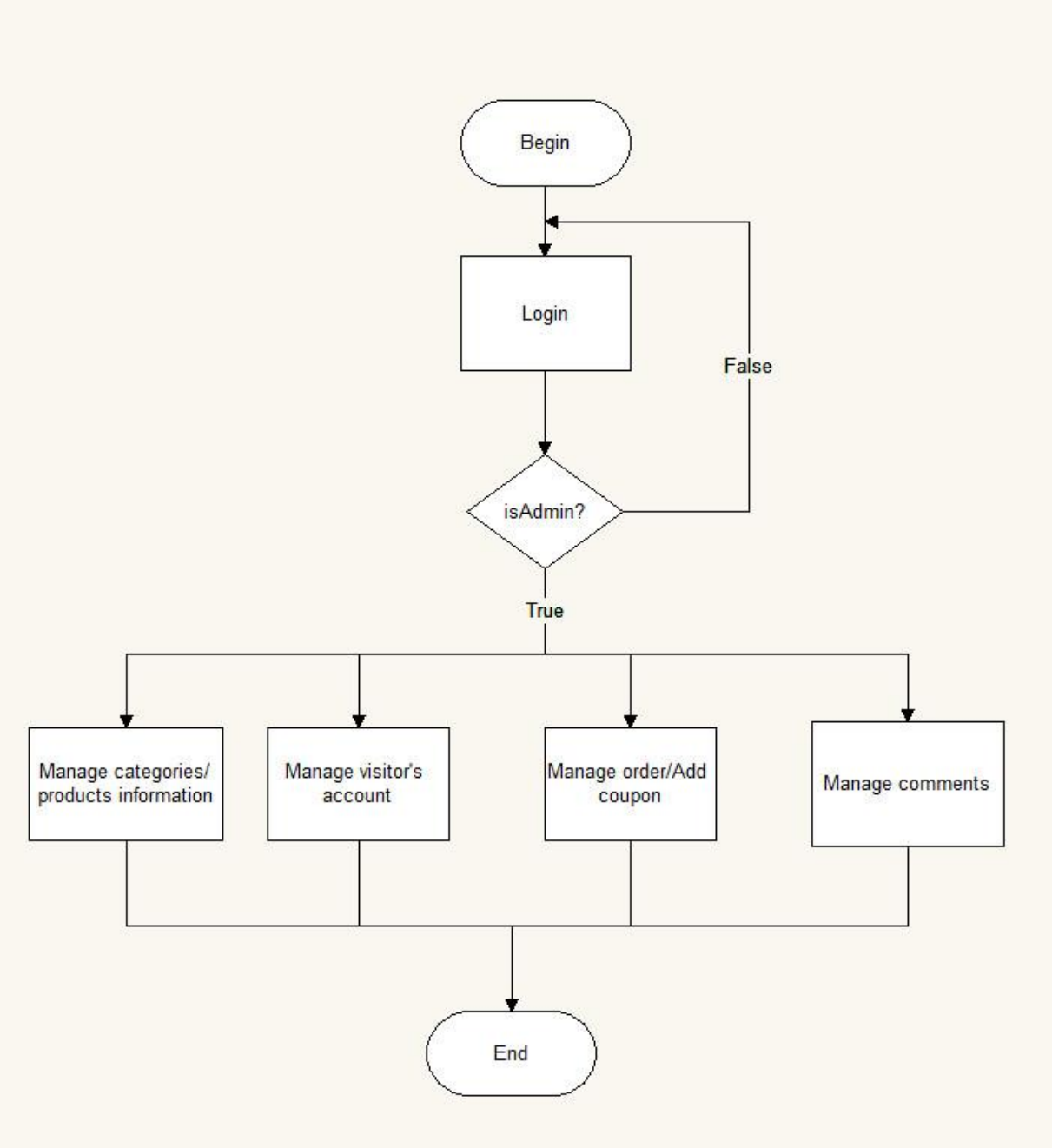
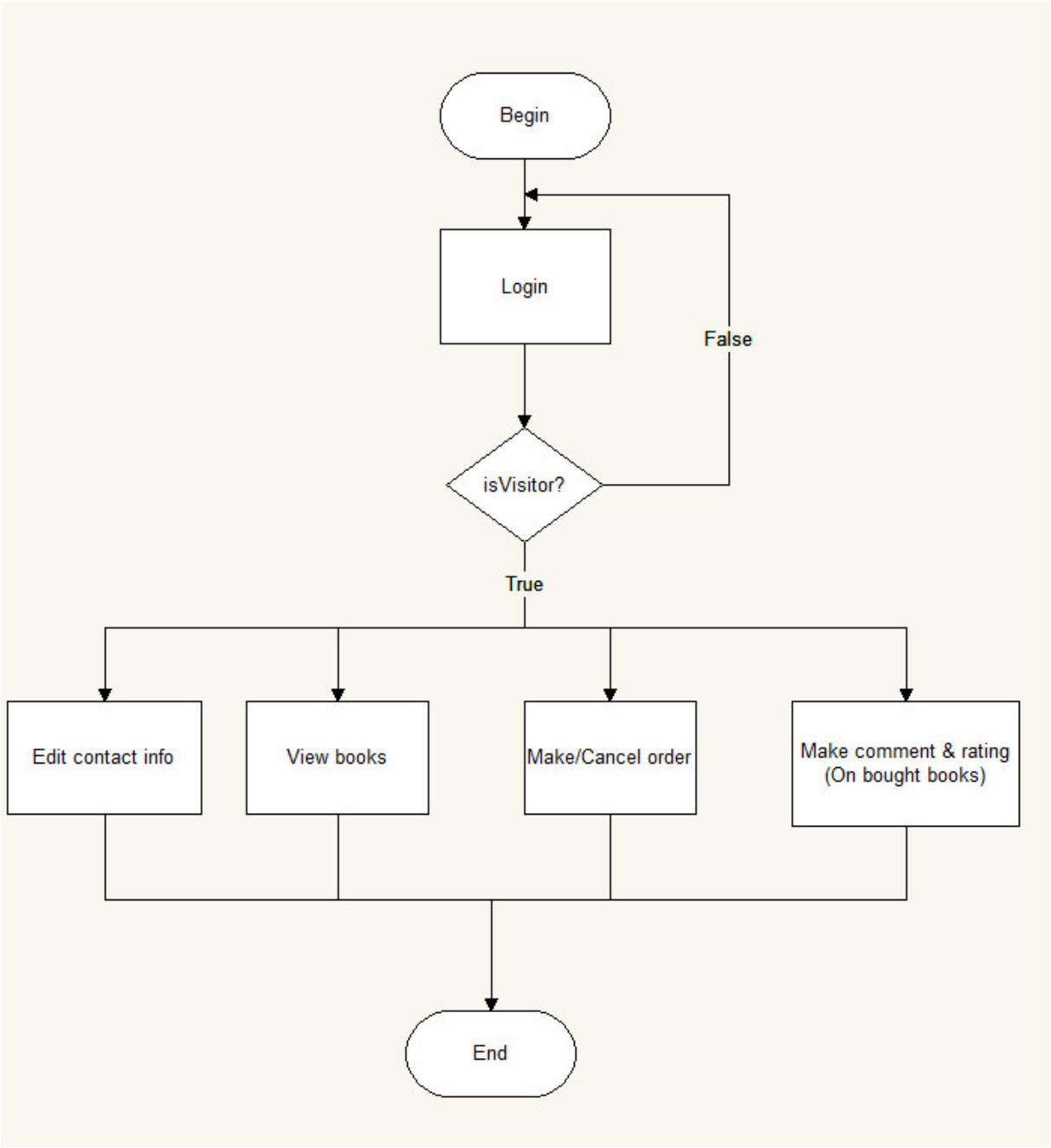
	Project Group No: 01	LE THANH NHAN
Signature		
Date		

Algorithm

A. Admin



B. User

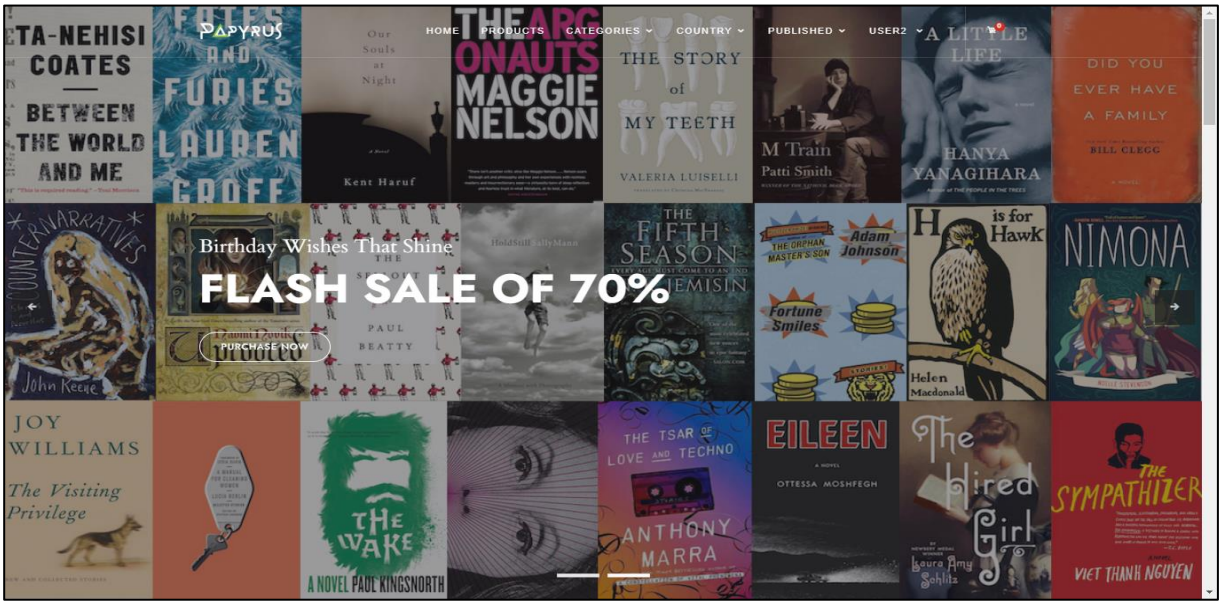

Begin
Login
False
isVisitor?
True
Edit contact info
View books
Make/Cancel order
Make comment & rating
(On bought books)
End

Review 03

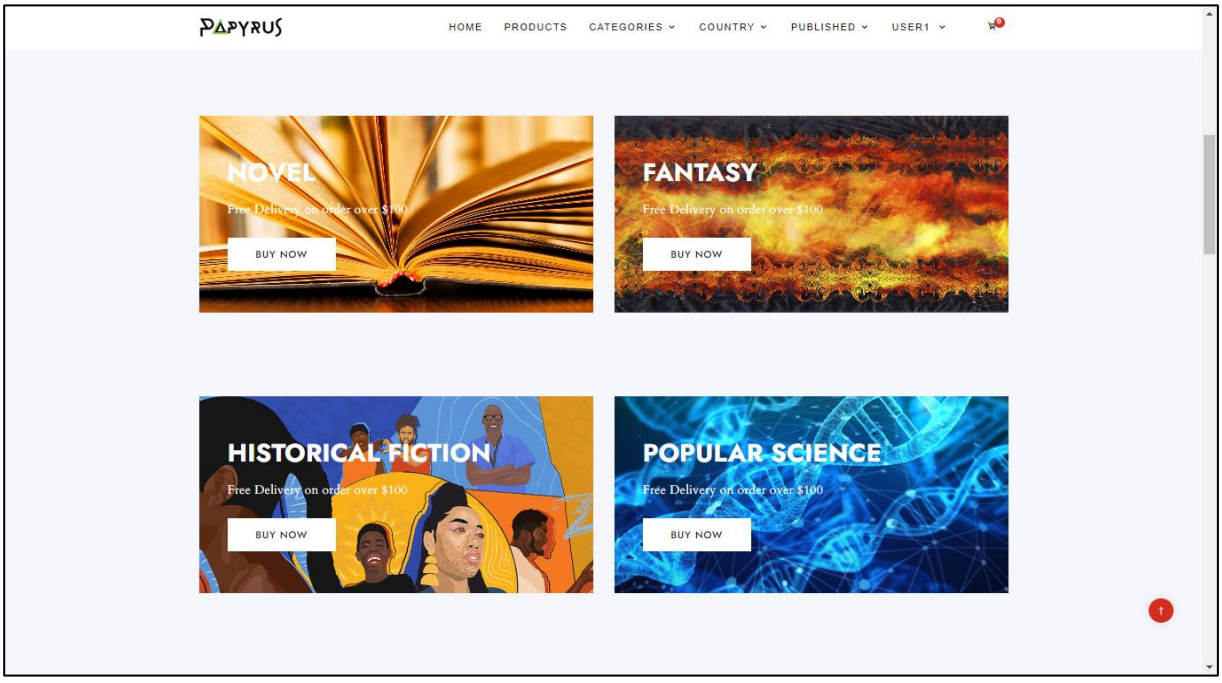
Screen shots

I. Homepage:

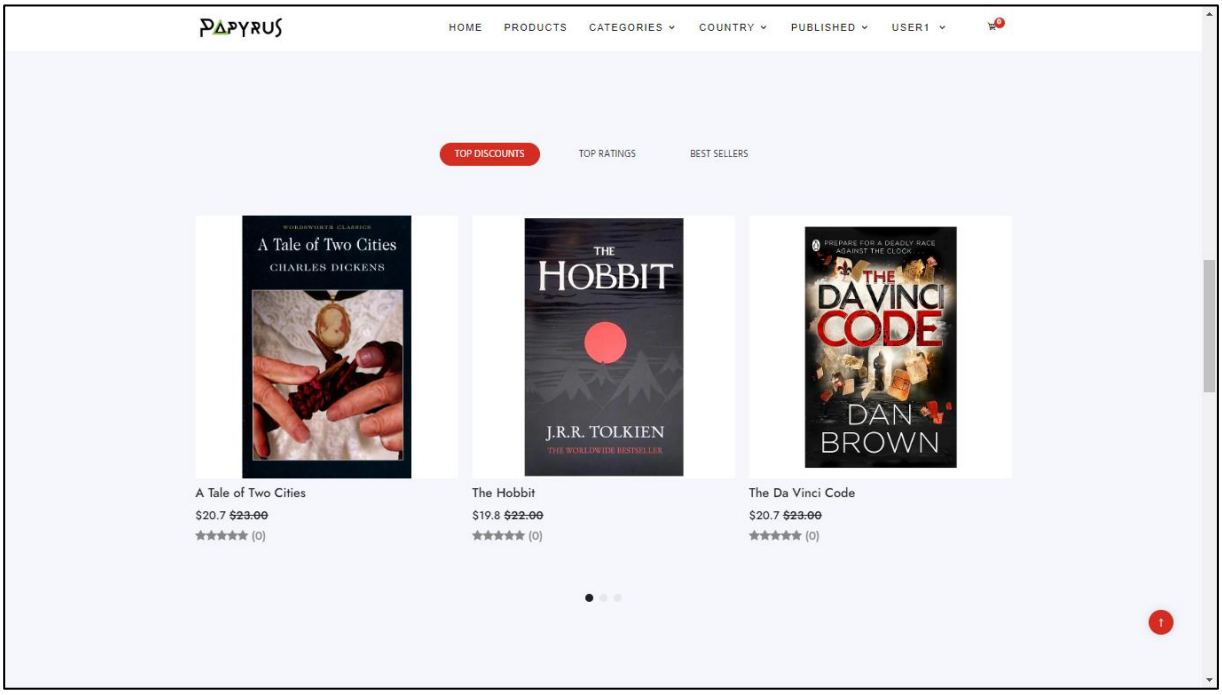
1. Shop's banner



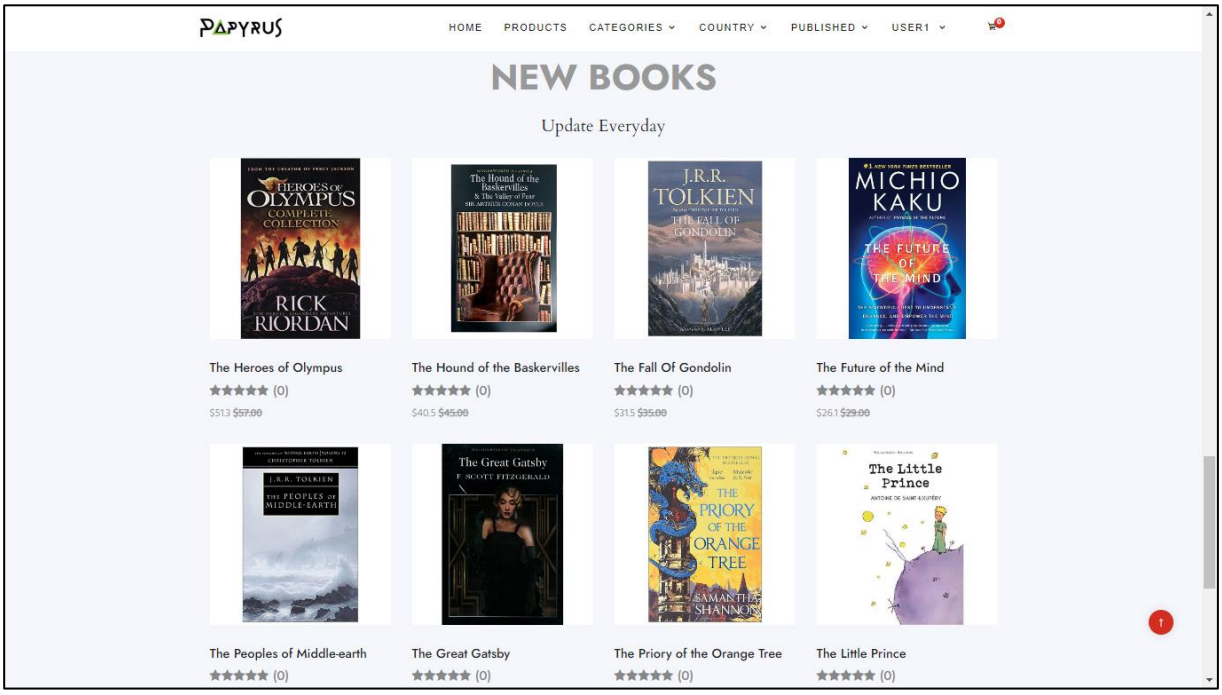
2. Categories



3. Top Discount, Top Rating, Best seller slider



4. New books



	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 01	LE THANH NHAN
Signature		
Date		

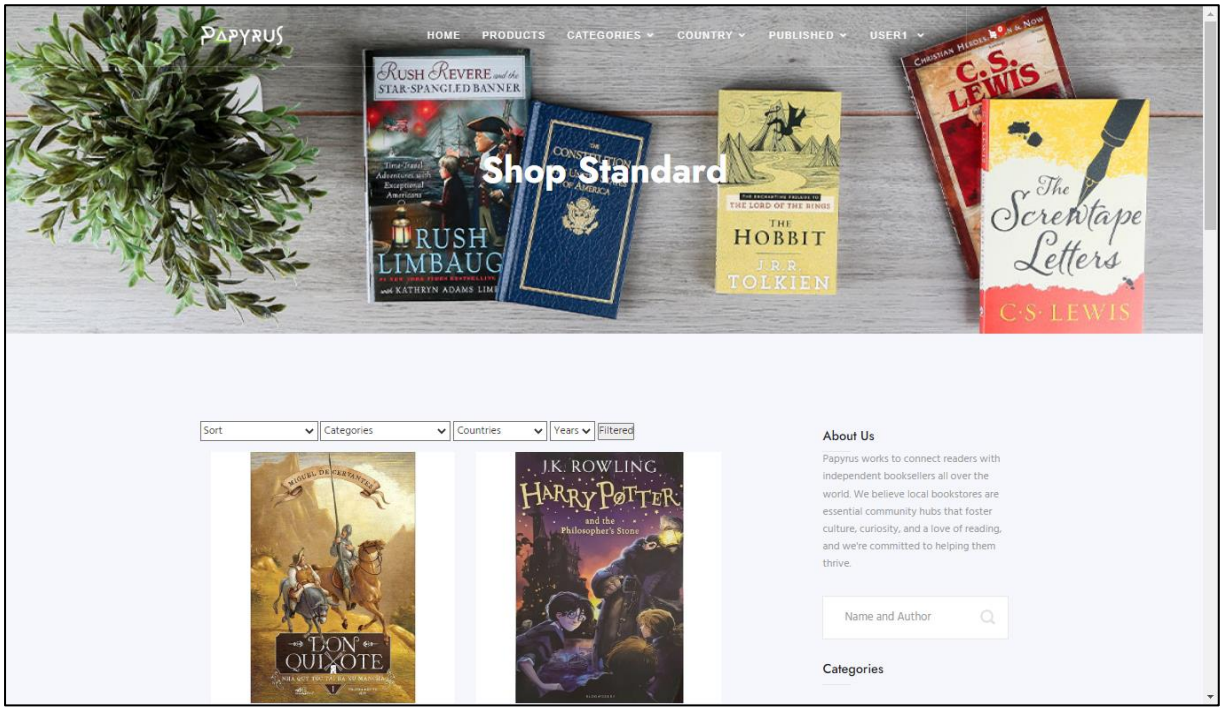
Description : The home page gives an overview of books and categories displayed on the website including: a slideshow of promotions, top selling, newest books and other information about the company, this page is the start page of the website.

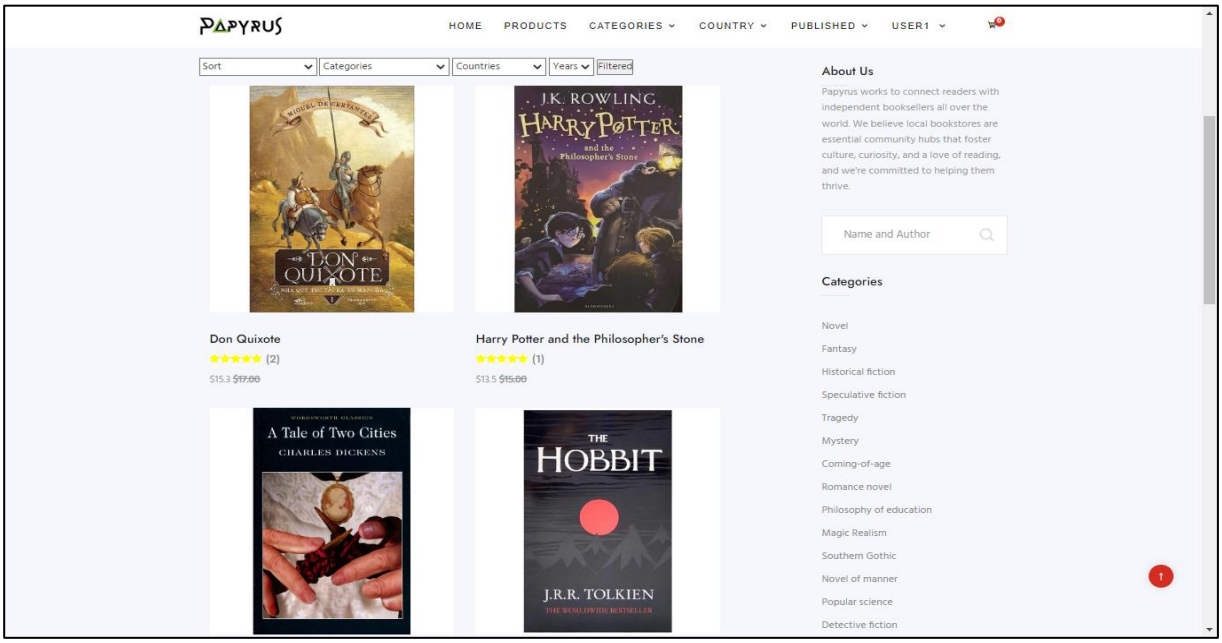
From : Home page

To : Products page, Categories page, Language page, Published page, User page, Login page, Register page, Cart page and other information pages including: About us, Contact us, Privacy Policy, Terms & conditions, FAQ, Site map.

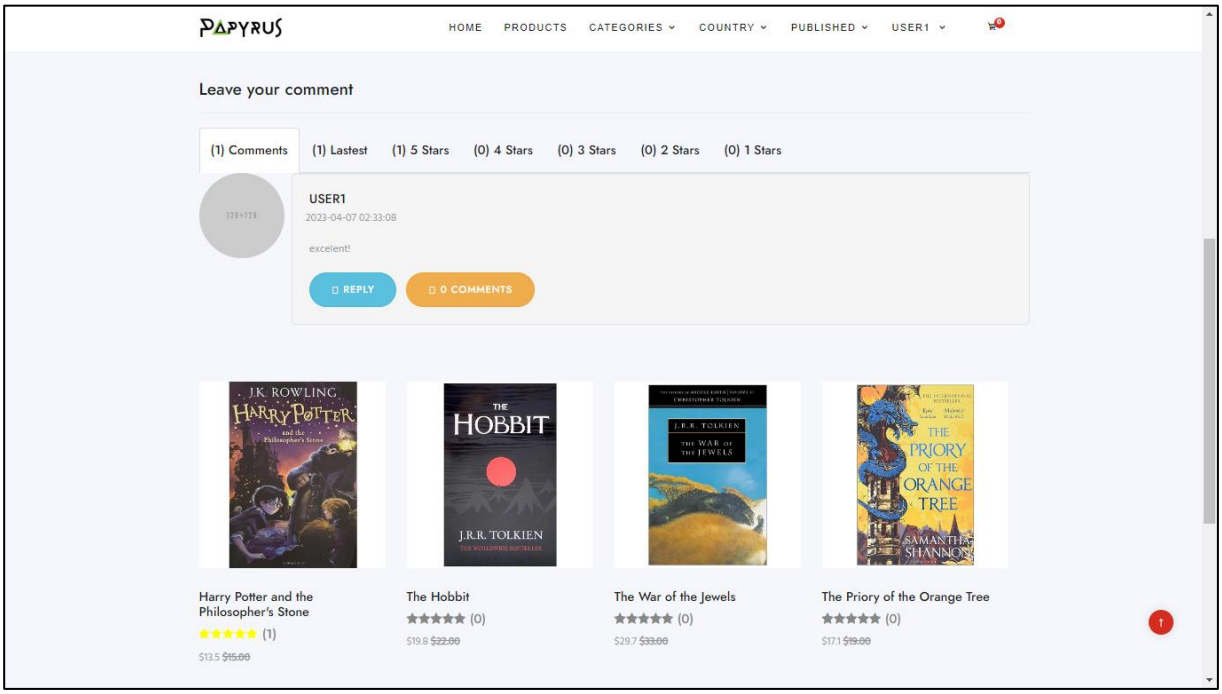
II. Products page, Product details page:

1. Products Page:





2. Product details page



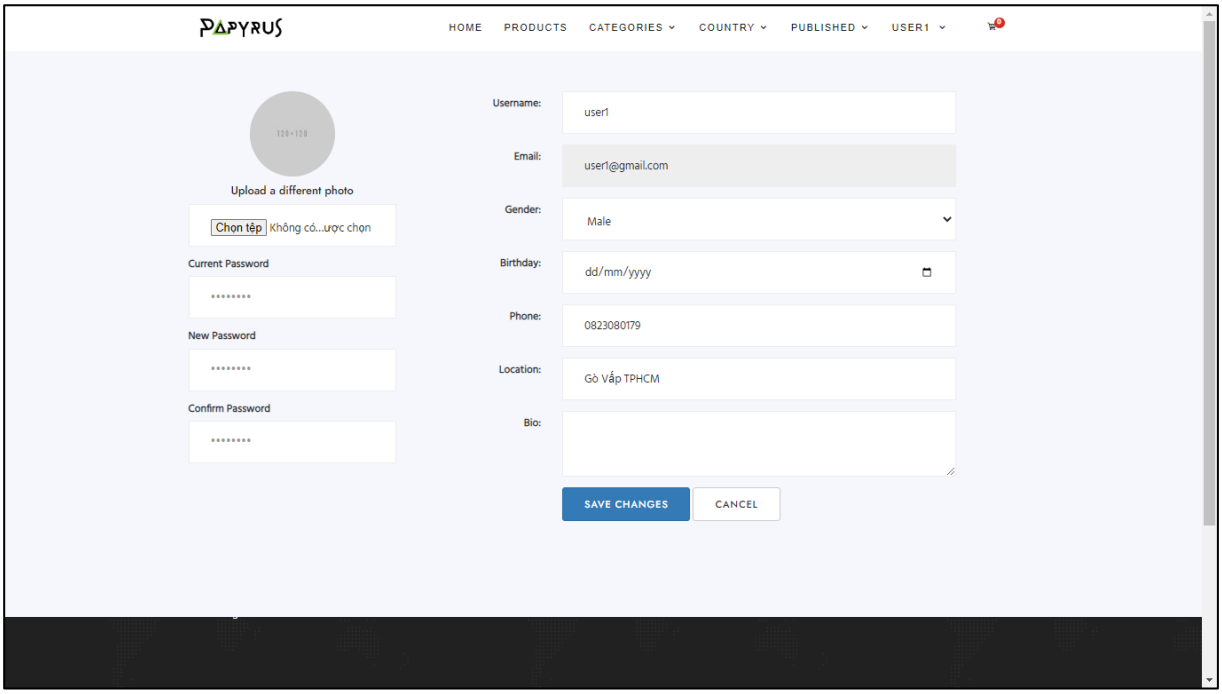
Description : this page contains various products with their information sorted by date, price, or published year. People can also search products by their names or author and filter them. Products can be added to cart quickly by a click on the button of each pictures. When the customer clicks on the product title, the product's details page will appear for users to read information, feedbacks from other customer who has bought the book before deciding to buy.

From : Products page, productDetail page

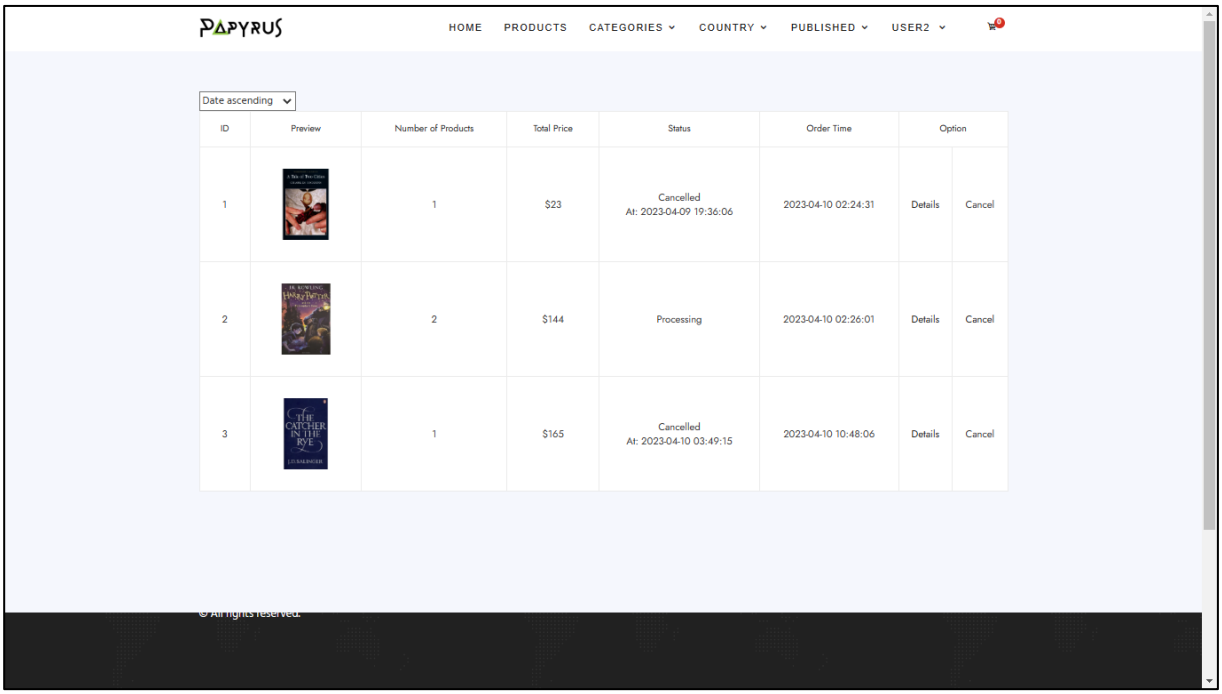
To : Home page, Categories page, Language page, Published page, User page, Login page, Register page, Cart page and other information pages including: About us, Contact us, Privacy Policy, Terms & conditions, FAQ, Site map.

III. User page

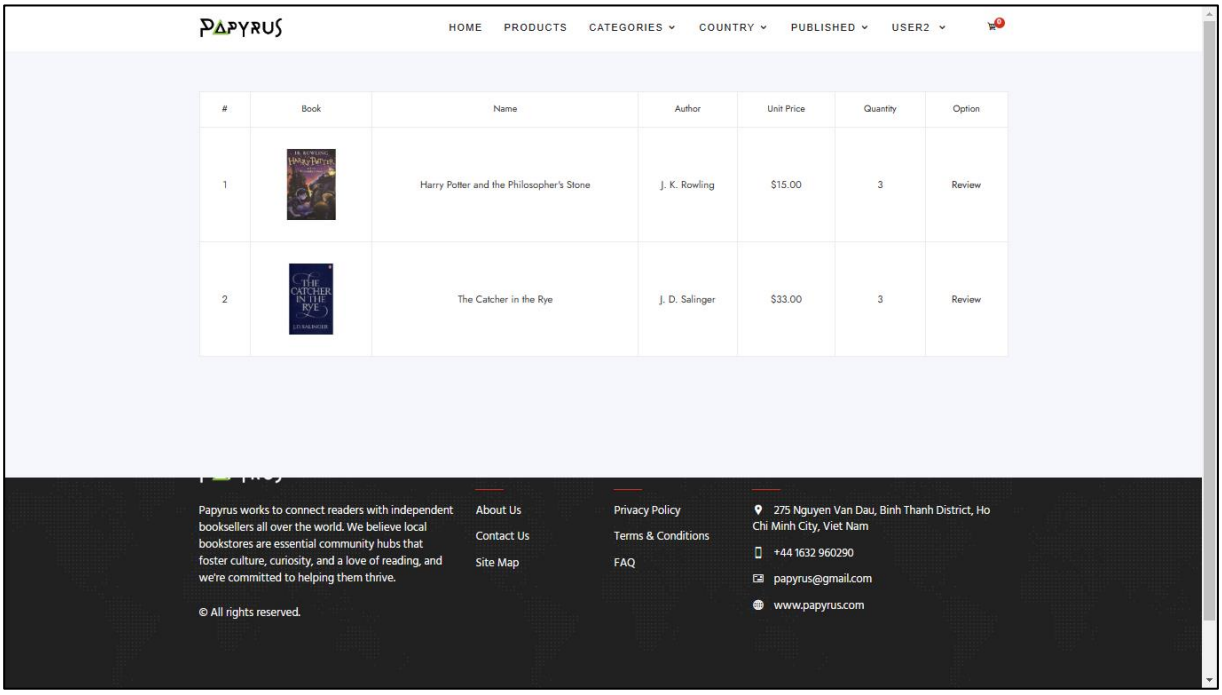
1. Edit profile



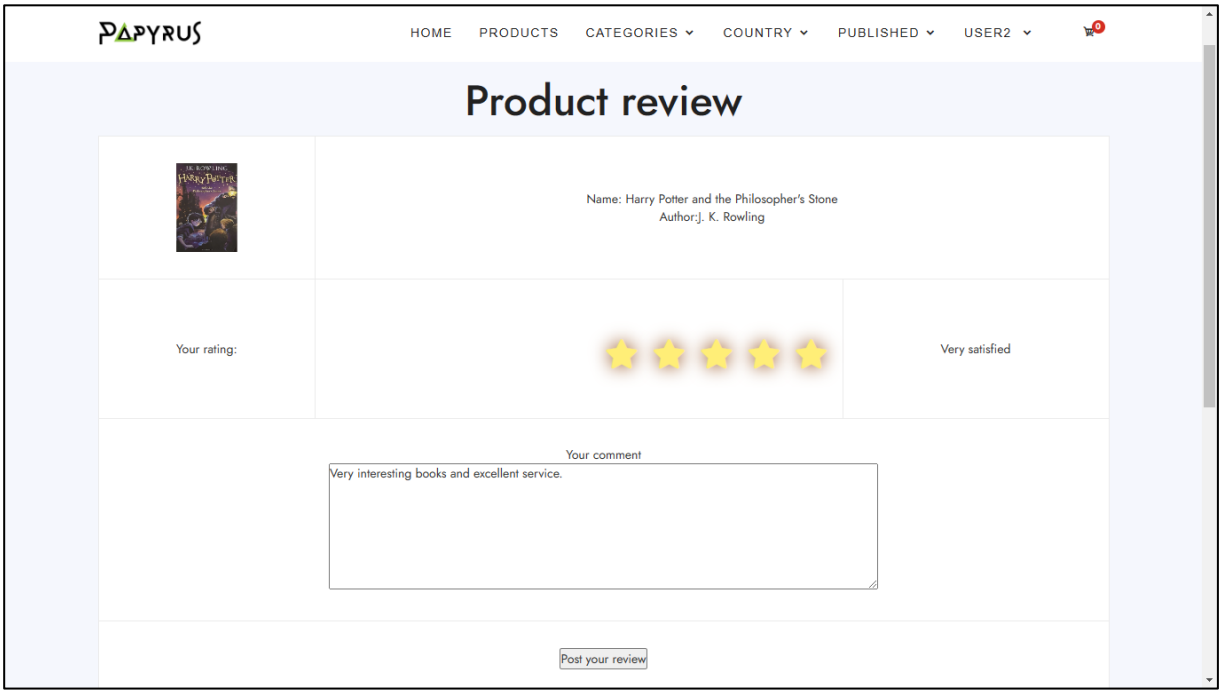
2. Order history



3. Order Details

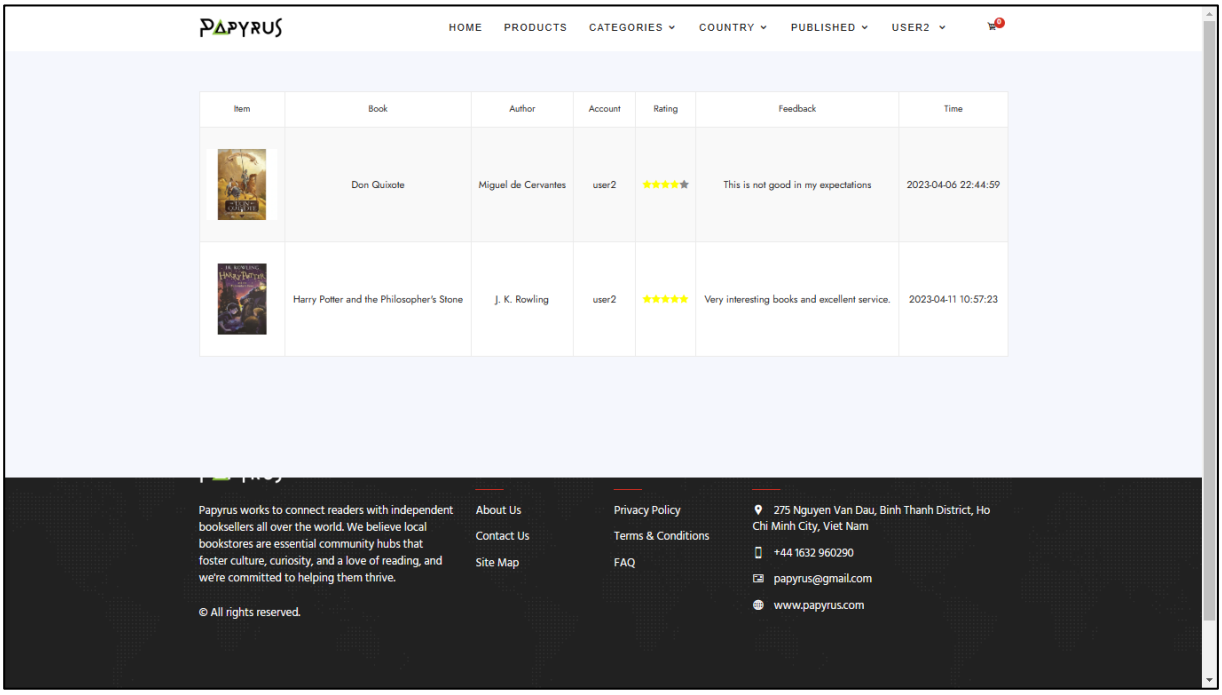


4. Product Review



	Prepared by (Student)	**Approved by (Faculty)**
	Project Group No: 01	LE THANH NHAN
Signature		
Date		

5. Feedback



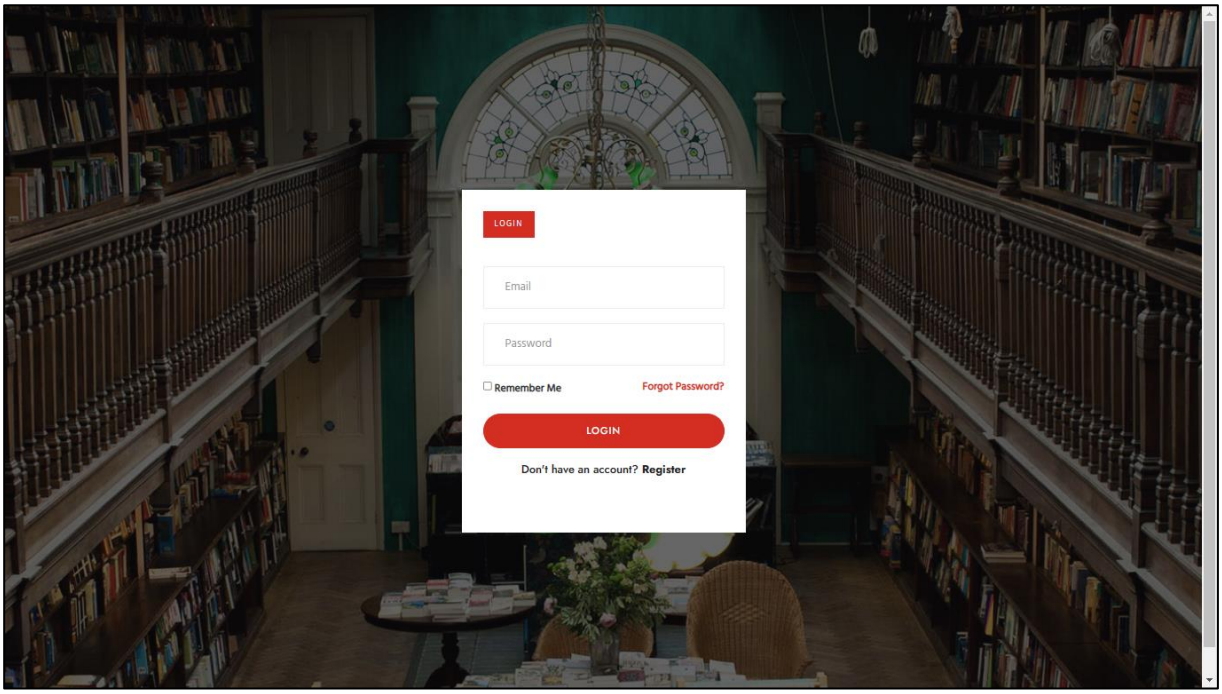
Description : this page contains customer's infomation including: their profile, order history, feedbacks and log out. Customers can edit their profile like: password, name, address, avatar, phone... They can see and cancel their orders if the orders are still in processing status (if status is successed, order can't be canceled), customers can give their feedbacks (rating, comments) to any products they has bought previously and they will be shown on product detail page.

From : User page

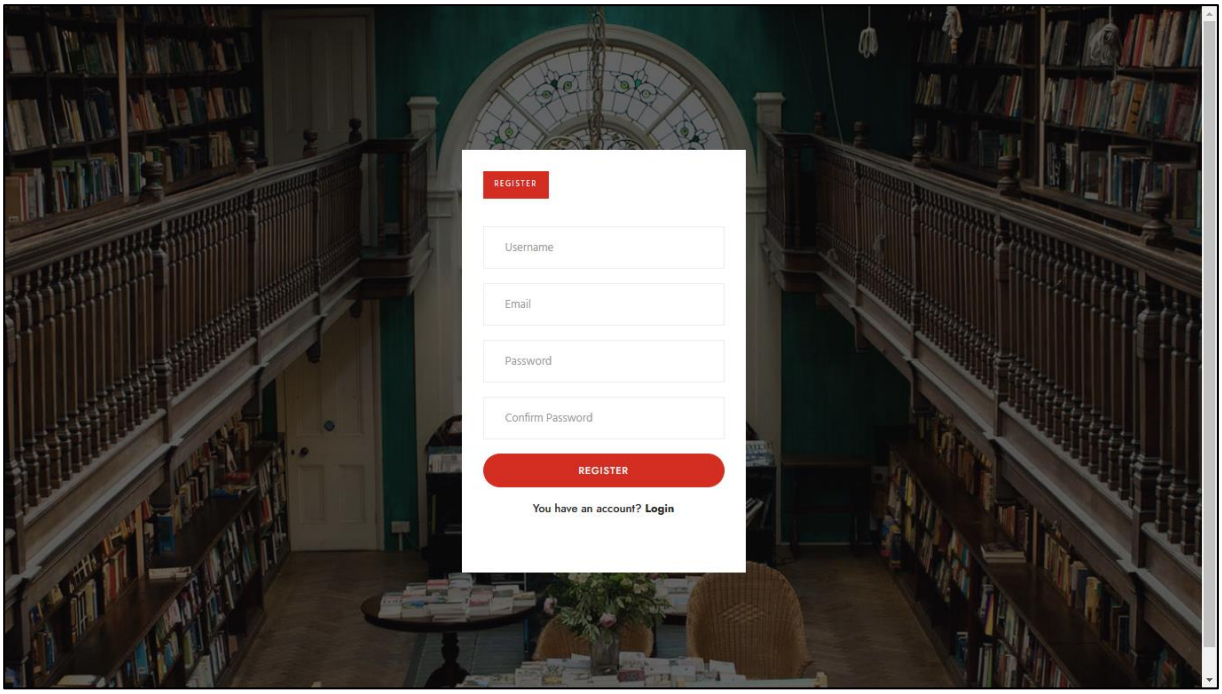
To : Home page, Products page, Categories page, Language page, Published page, Login page, Register page, Cart page and other information pages including: About us, Contact us, Privacy Policy, Terms & conditions, FAQ, Site map.

IV. Login/Register page

1. Login



2. Register



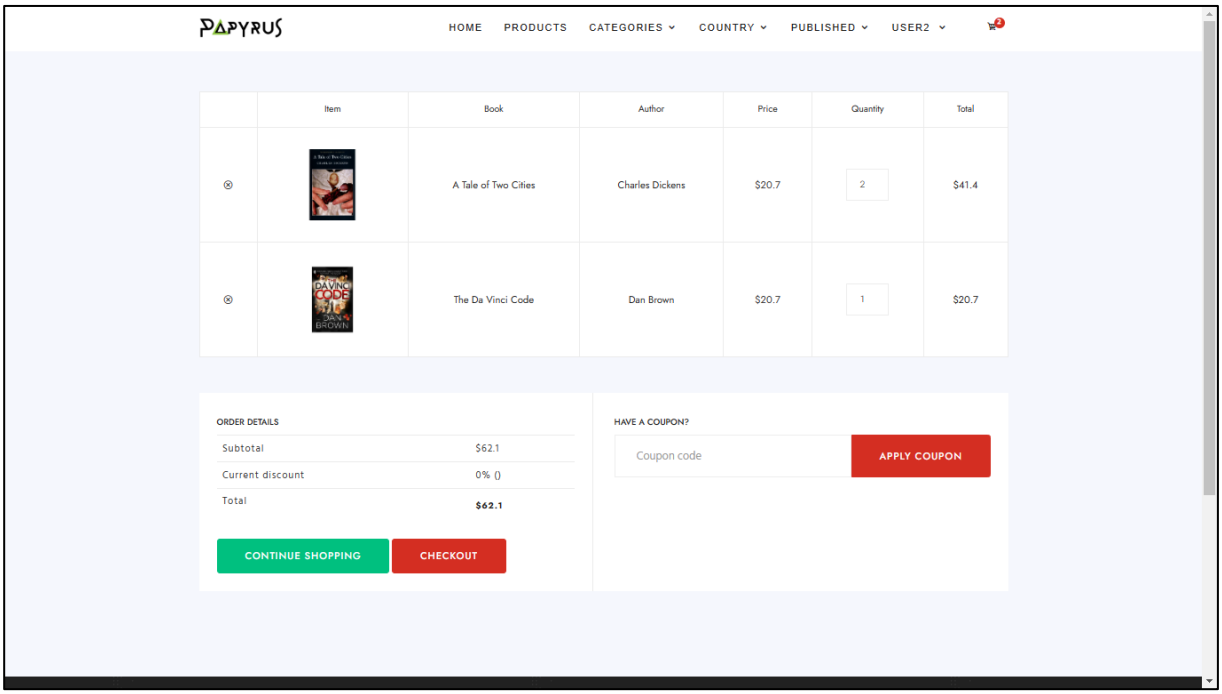
Description : These pages allow user to login their account or register one if they don't have. By login they can buy products and manage their account, order and view all their feedbacks from User page.

From : Login/Register page

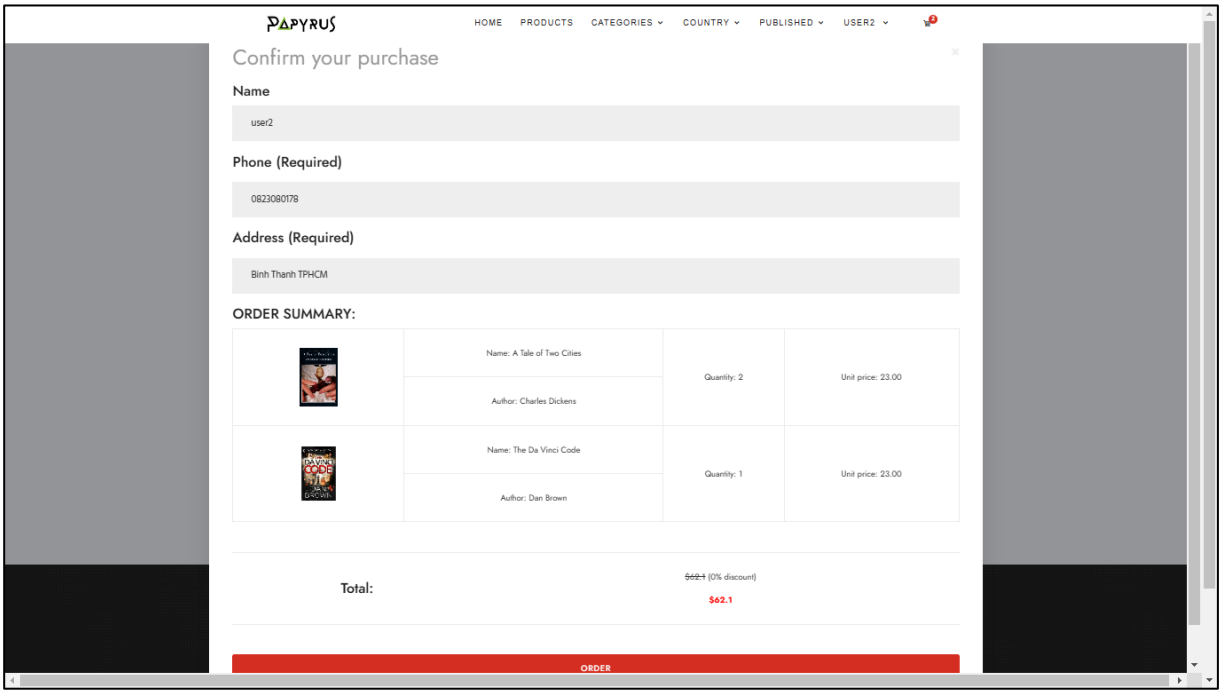
To : Home page, Products page, Categories page, Language page, Published page, User page, Cart page and other information pages including: About us, Contact us, Privacy Policy, Terms & conditions, FAQ, Site map.

V. Cart page

1. Cart



2. Purchase Confirmation

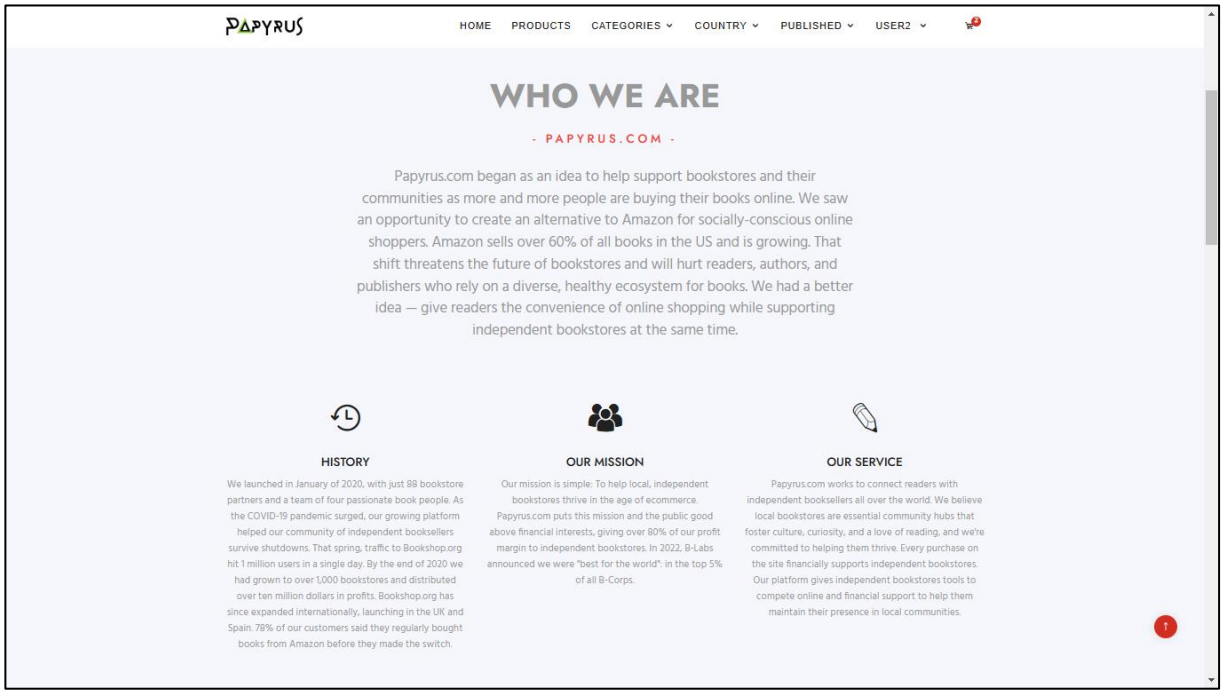


Description : this page contains all customer's order information like: photo, name, price, quantity, coupon, total of all the products that customers "add to cart" from product pages. Coupons can be applied if they haven't been used and still valid. Customer must confirm their phone numbers and address, they will auto-appear in the box if customer has provided in their profile before otherwise they have to type in by themselves and the information will be auto-saved to the customer's profile.

From : Cart page

To : Home page, Products page, Categories page, Language page, Published page, User page, Login page, Register page, and other information pages including: About us, Contact us, Privacy Policy, Terms & conditions, FAQ, Site map.

VI. About Us page

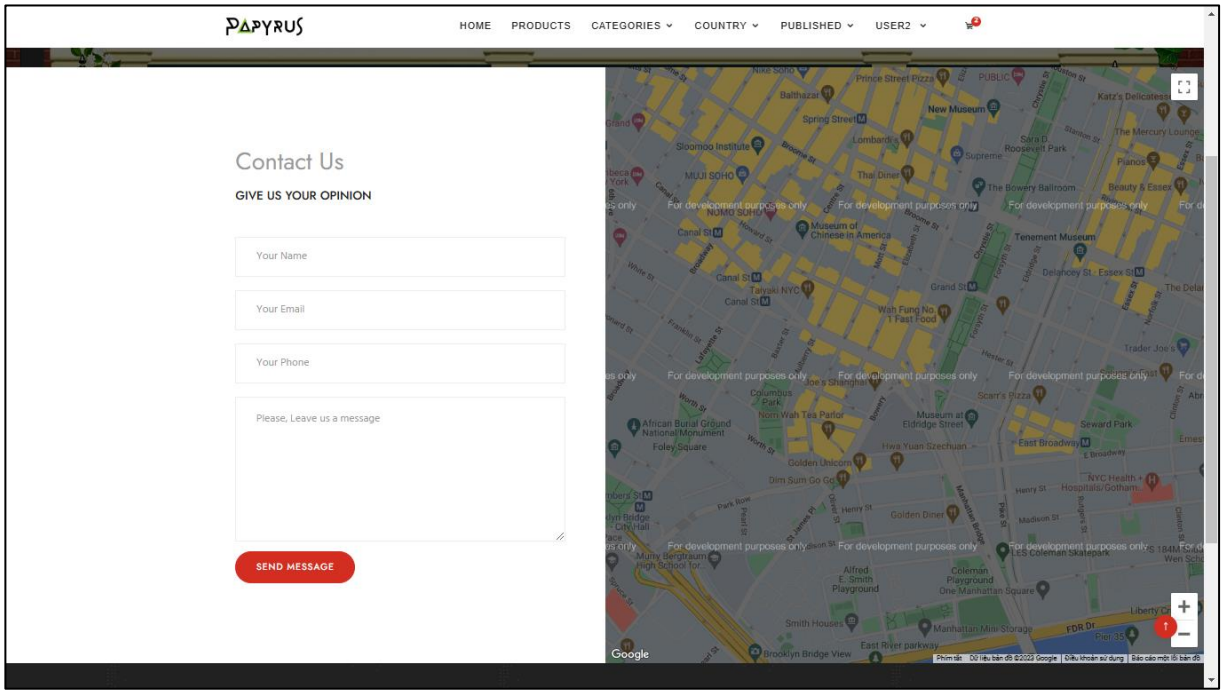


Description : this page contains all information about the founder of website including: history, mission, service.

From : About Us page

To : Home page, Products page, Categories page, Language page, Published page, User page, Login page, Register page, Cart page and other information pages including: Contact us, Privacy Policy, Terms & conditions, FAQ, Site map.

VII. Contact Us page

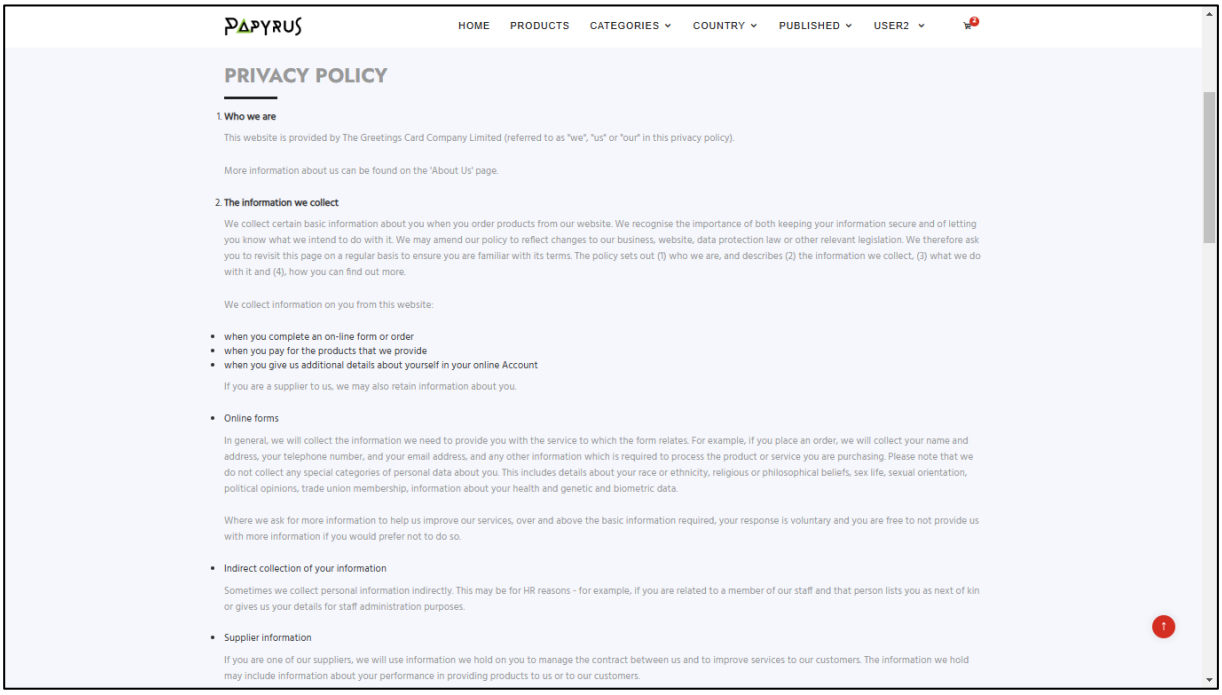


Description : customer can send their message to us through this site.

From : Contact Us page

To : Home page, Products page, Categories page, Language page, Published page, User page, Login page, Register page, Cart page and other information pages including: About us, Privacy Policy, Terms & conditions, FAQ, Site map.

VIII. Privacy Policy page

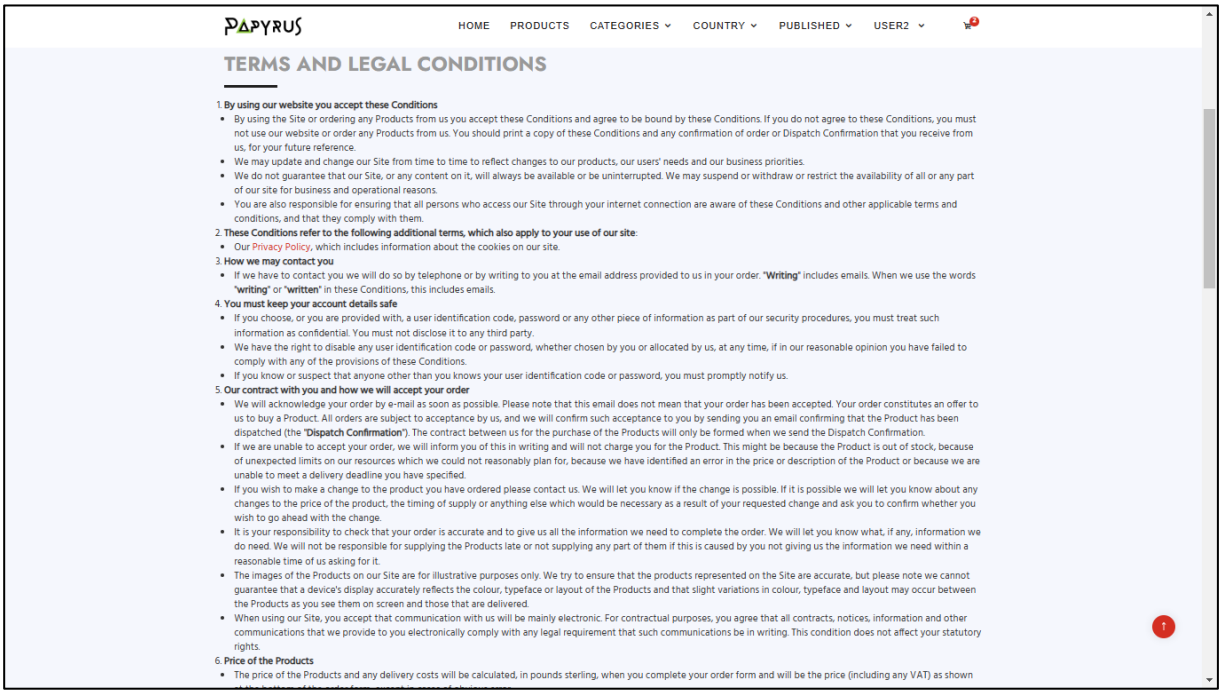


Description : customer can consult our policy through this site.

From : Privacy Policy page

To : Home page, Products page, Categories page, Language page, Published page, User page, Login page, Register page, Cart page and other information pages including: About us, Contact Policy, Terms & conditions, FAQ, Site map.

IX. Terms & Conditions page

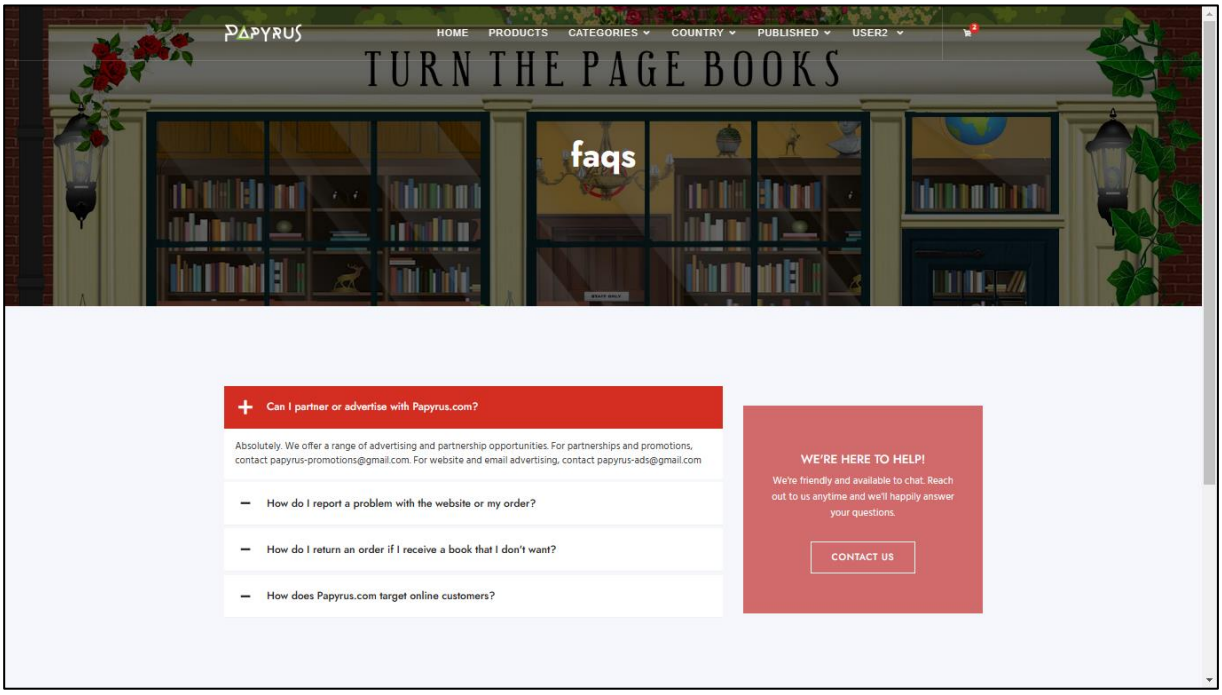


Description : customer can consult our Terms and Condition through this site.

From : Terms & Conditions page

To : Home page, Products page, Categories page, Language page, Published page, User page, Login page, Register page, Cart page and other information pages including: About us, Contact Policy, Privacy Policy, FAQ, Site map.

X. FAQS page

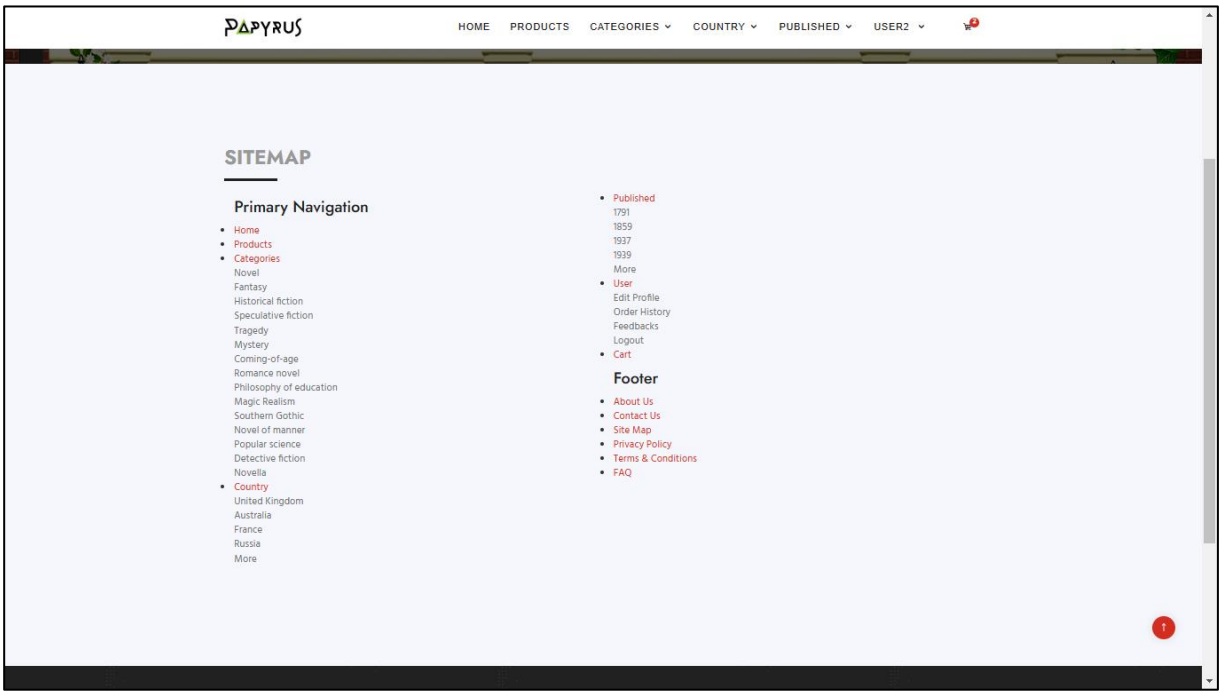


Description : customer can find the Frequently Asked Questions and their answers through this site.

From : Faqs page

To : Home page, Products page, Categories page, Language page, Published page, User page, Login page, Register page, Cart page and other information pages including: About us, Contact Policy, Privacy Policy, Terms & Conditions, Site map.

XI. Site Map page



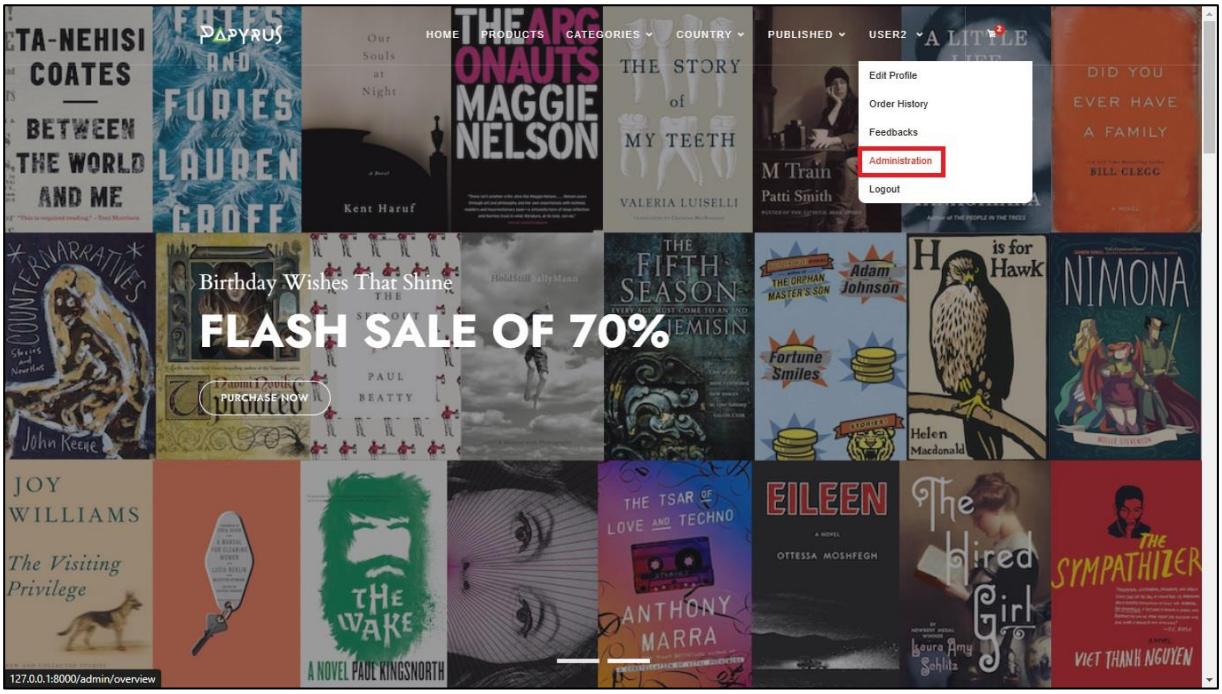
Description : customer can find our Site Map through this site.

From : Site Map page

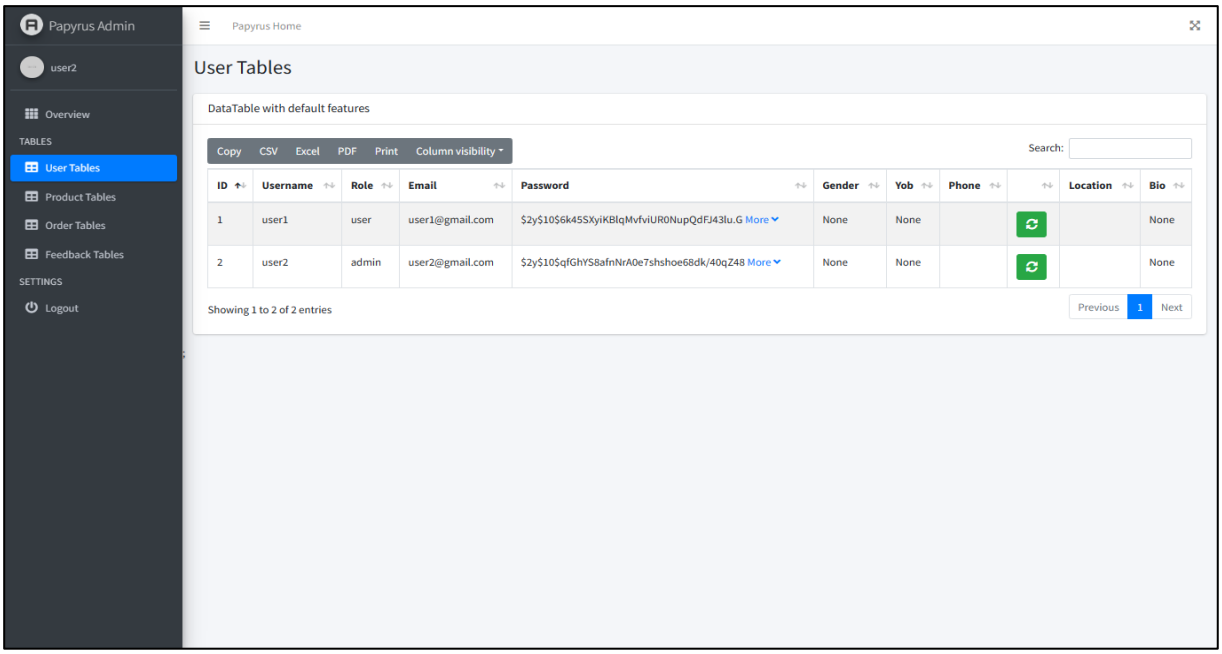
To : Home page, Products page, Categories page, Language page, Published page, User page, Login page, Register page, Cart page and other information pages including: About us, Contact Policy, Privacy Policy, Terms & Conditions, FAQS.

XII. Admin

1. URL:

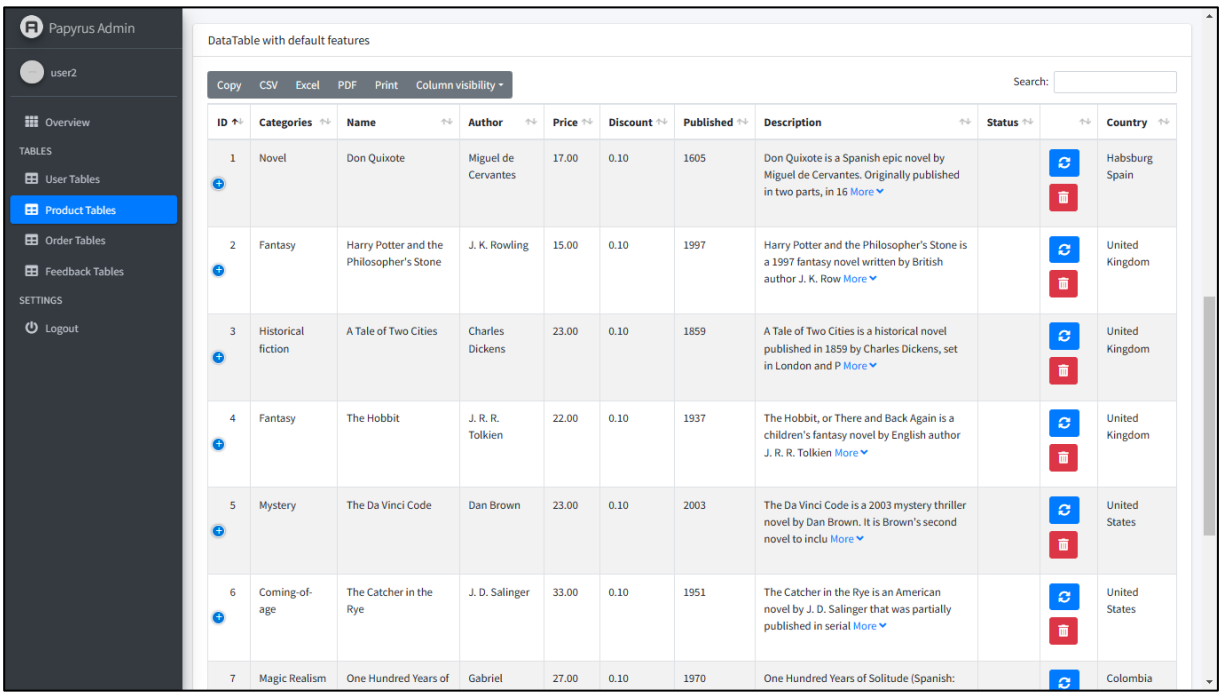


2. User table controller

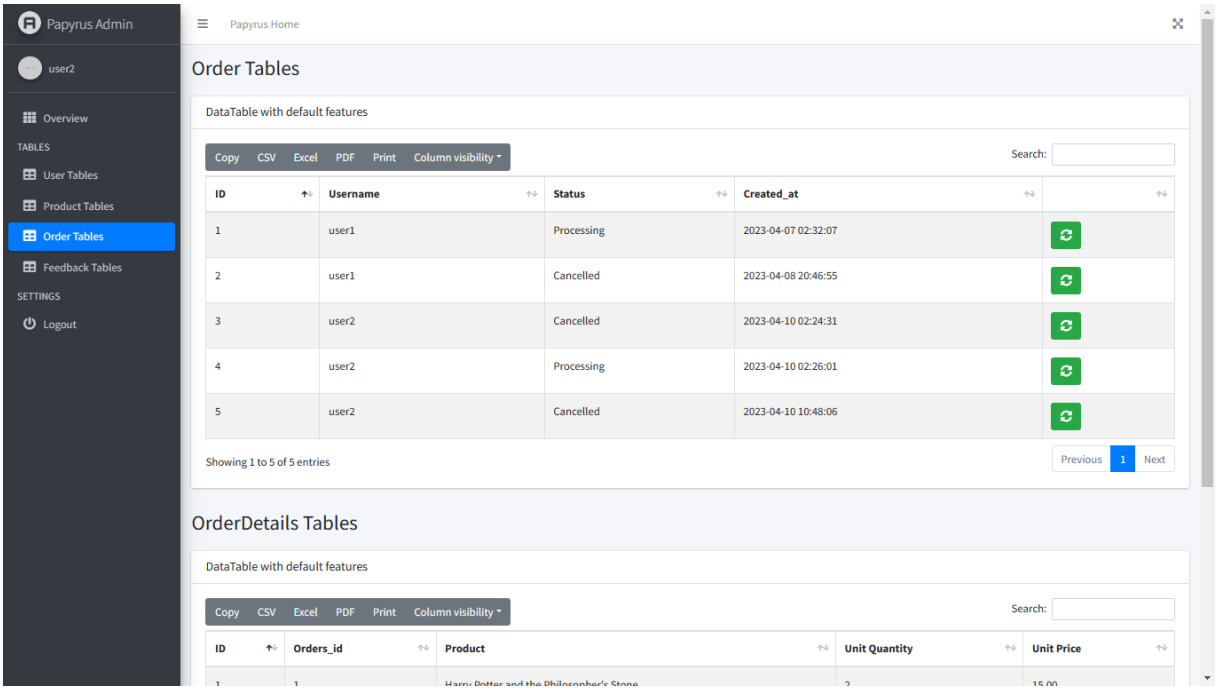


	Prepared by (Student)	**Approved by (Faculty)**
	Project Group No: 01	LE THANH NHAN
Signature		
Date		

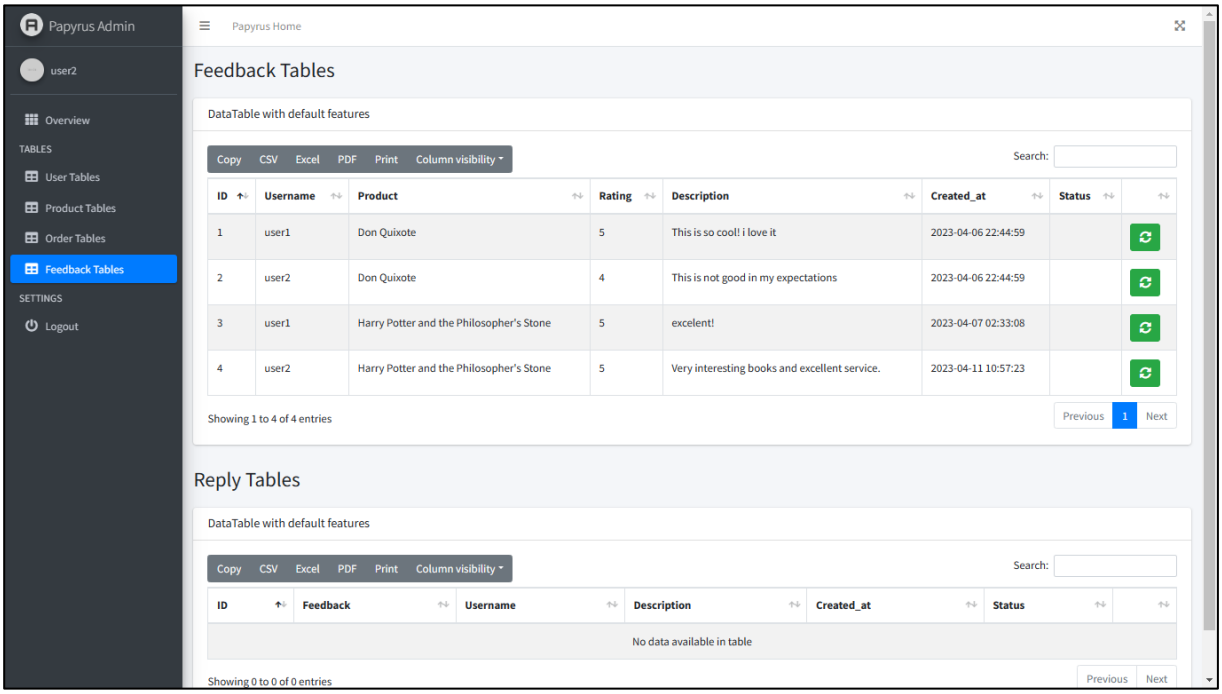
3. Product Table Controller



4. Order Table Controller



5. Feedback Table Controller



Description : For admin account, there will be an URL in User control, this page contains all function like: view, edit, add, delete for admin to control database tables.

From : Admin page

To : Home page.

Testing document

Sr.No	Features Tested	Remarks
1		
2		
3		
4		
5		
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8		
9		
10		
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12		
13		
14		
15		

Final checklist

Sr.No	Aspected Tested	Suggestion/ Remarks
1	Are all the users able to view the images and links?	
2	Have all the views, modules and controllers been properly integrated and is the site function as a single page application?	
3	Are the GUI content devoid of spelling mistakes?	
4	Is the application user-friendly?	
5	Is the Website launching correctly in all popular browsers?	
6	Are all the forms validated with proper criteria?	
7	Do all text links lead to the appropriate website?	
8	Do all image links lead to the appropriate website?	
9	Are all the images and links clearly visible on the page?	
10	Does the Web page work properly in all the tested browsers?	
11	Does the Web page take too long to be loaded fully?	
12	Is the navigation sequences correct through all the Web pages on the site?	
13	Is the JavaScript code working as expected in all click events?	

No	Member	Contents		Table Name	Activity Plan	Date of Preparation of Activity Plan		
					Planed Start Date	Actual Start Date	Actual Days	Status
1	**Nguyễn Ngọc Bảo Duy**	Admin	*Product Management*	Products, Categories	21/03/2023	26/03/2023	6	OK
2					27/03/2023	02/04/2023	7	OK
3		User	*View Product*		03/04/2023	09/04/2023	7	OK
4					10/04/2023	17/04/2023	7	OK
1	**Bùi Nguyễn Hải Trí**	Admin	*Customer,Rating, FB Management*	Users, Feedbacks	21/03/2023	26/03/2023	6	OK
2					27/03/2023	02/04/2023	7	OK
3		User	*Register, Send Comment/Rating*		03/04/2023	09/04/2023	7	OK
4			*Personal Account, FB, CM Management*		10/04/2023	17/04/2023	7	OK
1	**Trịnh Hoàng Phước Sang**	Admin	*Order Management*	Orders, OrderDetails, Coupons	21/03/2023	26/03/2023	6	OK
2					27/03/2023	02/04/2023	7	OK
3		User	*Add Order*		03/04/2023	09/04/2023	7	OK
4			*Personal Order Management*		10/04/2023	17/04/2023	7	OK
1	**Lê Mai Minh Thiện**	Admin	*Mail-Box Management*	MailBox	21/03/2023	26/03/2023	6	N/A
2					27/03/2023	02/04/2023	7	N/A
3		User	*Send e-mail*		03/04/2023	09/04/2023	7	N/A
4			*Personal e-mail Management*		10/04/2023	17/04/2023	7	N/A

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 01	LE THANH NHAN
Signature		
Date		