

Box Game

Supervisor: *LÊ THANH NHÂN*

Semester: *II*

Batch No: *T1.2112.E0*

Group No: *IV*

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Month: *October* **Year:** *2022*

This is to certify that

Mr. Nguyễn Tuấn Lộc
Mr. Nguyễn Gia Bảo
Mr. Nguyễn Phước Hoàn
Mr. Nguyễn Lê Thanh Tùng
Mr. Nguyễn Công Hùng

Have successfully Designed & Developed

Submitted by:

Mr. LE THANH NHAN

Date Of Issue:

Authorized Signature:

Content

Content

Acknowledge

Synopsis

Review1	1
Review2	5
Review3	18
Testing Document	35
Final Checklist	36
Tasksheet	37

Acknowledge

In the process of graduation, we have received a lot of help, suggestions, and enthusiastic advice from our teachers, family and friends. We sincerely thank Aptech Education for bringing the experience as well as practical skills in the project to bring us.

We would like to thank Mr Le Thanh Nhan, a teacher of FPT Aptech for always being dedicated and professional. Without the knowledge and experience of her superior, this project will not succeed.

And we sincerely thank the families of our team members for their great enthusiasm and support during the project.

This project is also successful thanks to the cooperation of the team members. Thank you.

Synopsis

Box Game is a online store that deals with all types of game. They started off with a company in collaboration with Ubisoft and then build up their own establishment. They have different game from different developer, special sale and promotion around the year. Many times people emails us in the website for getting the information as:

1. Minimum system requiriements for specific game ?
2. Sale details ?
3. Price list for the games ?
4. What about the refund of the game?

And many more like these. You are supposed to create a website for them with the below mentioned requirement specifications: The website is to be developed to provide certain features according to specific requirements by the management. The website is to be developed for the Windows Platform using PHP, Laravel Framework, MySQL. The site should work well in all leading browsers including Chrome, IE, Firefox etc.

Review 01

Design Plan: Box Game	Document Name: Problem Definition	SWD/Form No.01/PD/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 1 of 45

Problem Definition

I. Introduction

The development of Information Technology and Internet help users access information, communication, transaction or shopping are so easily. With the rise of technology, Electronic Commerce has become a way to carry out the business transactions faster, more convenient, reduce cost for maintenance and employees.

With the price increasement of products with the technology development, we bring to the customer a competitive environment to get the product with lowest price.

II. Main Functions

- Visitor can view, order game after registering and logging in to the website. The product will be ship immediately through user email.
- User can view all game as well as submit game reviews, edit profiles.
- Store admins manage the game and orders.

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Date		

Design Plan: Box Game	Document Name: Customer Requirements Specifications	SWD/Form No.02/CRS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 2 of 45

Customer Requirements Specifications

I. Customer's Specific Requirements

The website allow user register and login to become member, which can use all the function of the website like review product, pay for the order online.

II. Functional Requirements

User:

- Input:
 - Register information of users
 - Purchase information
 - Send feedback
- Process:
 - Check register information
 - Find products information
 - Create orders
 - Save feedback
- Output:
 - Successfully registered notification
 - Cart information
 - Successfully send feedback notification

Admin:

- Input:
 - Login information of admin account
 - Add/update products request
 - Add/update category
 - View/delete user account request
- Process:

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Design Plan: Box Game	Document Name: Customer Requirements Specifications	SWD/Form No.02/CRS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 3 of 45

- Check login information of admin account
- Add/update products
- Add/update category
- Add/update system requirements
- Output:
 - Successfully login notification
 - Successfully add/update products
 - Successfully add/update brands
 - Successfully add/update/delete user account

System Requirement Specification

Hardware:	Software:
Server: <ul style="list-style-type: none"> - Pentium 4, 1.8 GHz or better - 512 MB of RAM - 300 MB of HDD capacities available Client: <ul style="list-style-type: none"> - Pentium III, 500 MHz - 265 MB of RAM 	Server: <ul style="list-style-type: none"> - OS with Windows XP SP2 - IE 5.0/Netscape 6.0 - MySQL Server 2008 or later Client: <ul style="list-style-type: none"> - IE 5.0/Netscape 6.0

Development Software

- Microsoft Windows 10
- Visual Studio Code
- MySQL
- Google Chrome

Technology

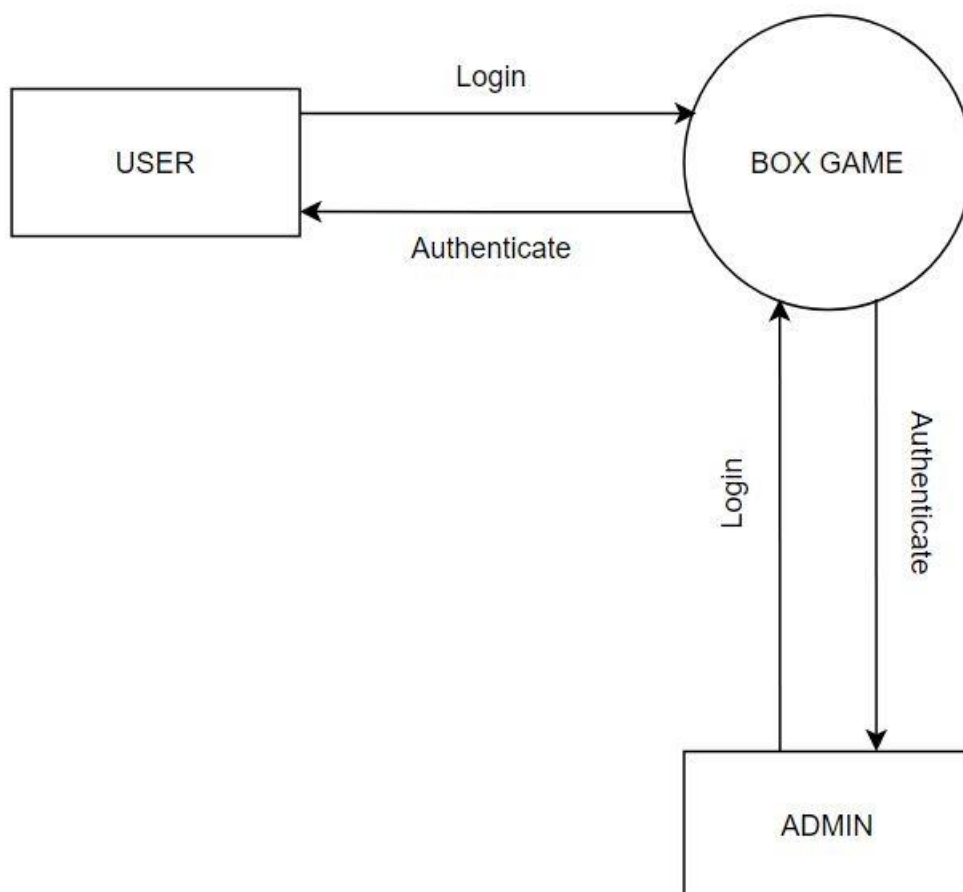
- *PHP 8.2*
- *Laravel Framework 9.2*

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Review 02

Design Plan: Box Game	Document Name: Data Flow Diagram	SWD/Form No.03/DFD/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 5 of 45

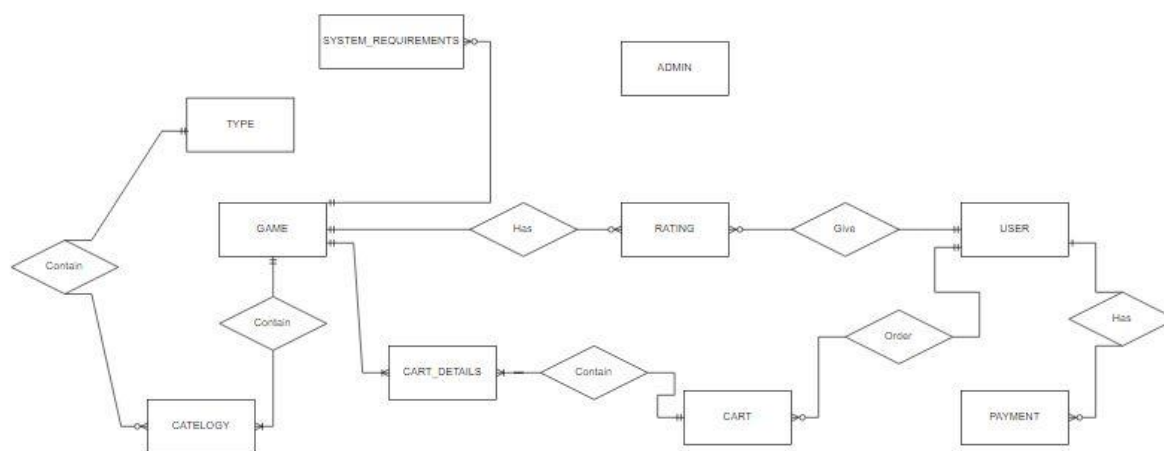
Data Flow Diagram



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Design Plan: Box Game	Document Name: Entity Relationship Diagram	SWD/Form No.04/ERD/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 6 of 45

A. Entity Relationship Diagram

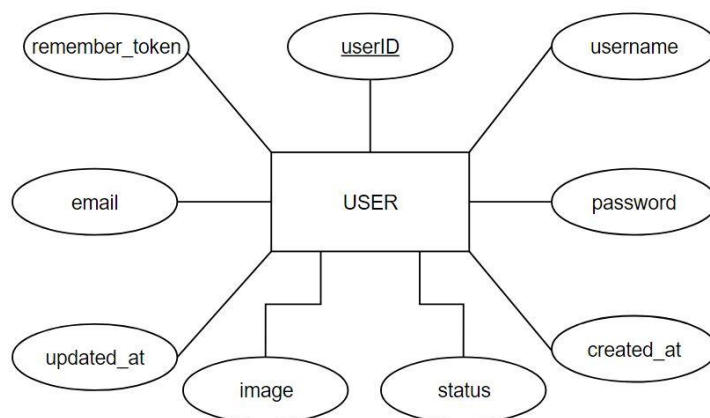


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Date		

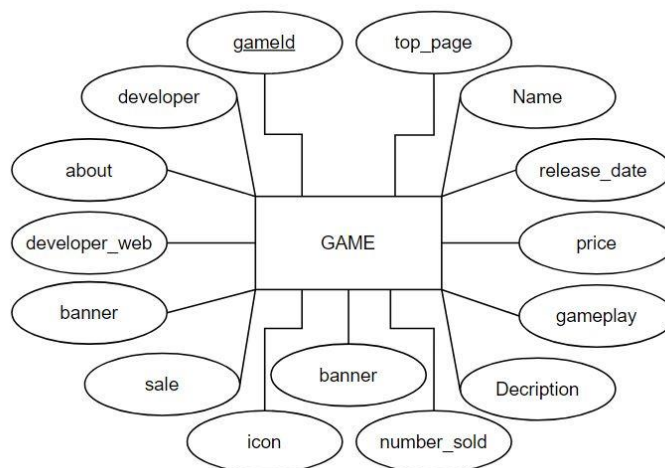
Design Plan: Box Game	Document Name: Entity Relationship Diagram	SWD/Form No.04/ERD/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 7 of 45

B. Entity Attributes

I. USER



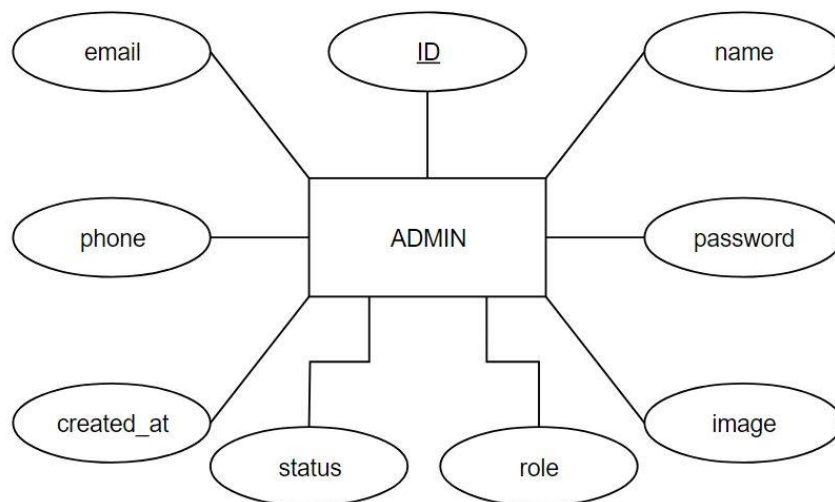
II. GAME



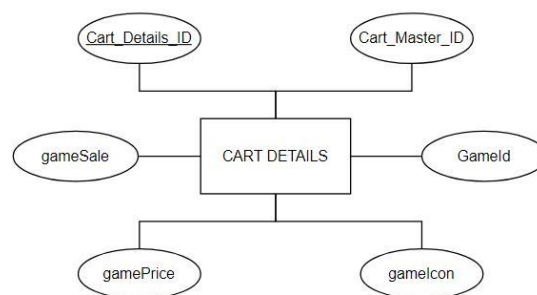
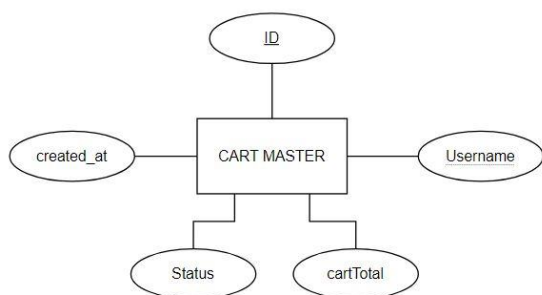
III. ADMIN

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Signature		
Date		

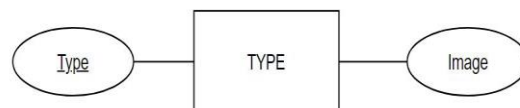
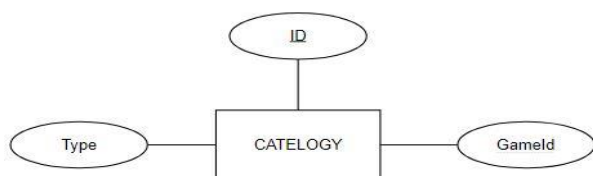
Design Plan: Box Game	Document Name: Entity Relationship Diagram	SWD/Form No.04/ERD/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 8 of 45



IV. CART MASTER AND DETAILS



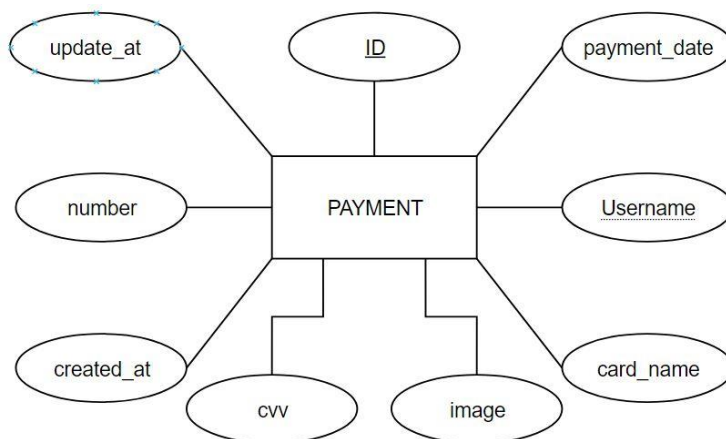
V. CATELOGY AND TYPE



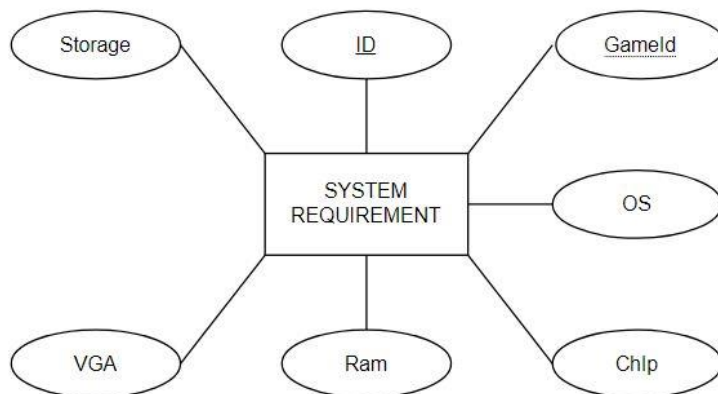
VI. PAYMENT

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Date		

Design Plan: Box Game	Document Name: Entity Relationship Diagram	SWD/Form No.04/ERD/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 9 of 45



VII. SYSTEM REQUIREMENTS



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Design Plan: Box Game	Document Name: Table Design	SWD/Form No.05/TAB/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 10 of 45

C. Table Design

I. ACCOUNT_ADMIN

No.	Column Name	Data Type	Keys	Constraints	Description
1	adminId	varchar(255)	Primary key	not null	login id
2	name	varchar(255)		not null	display name
3	email	varchar(255)		not null	
4	password	varchar(255)		not null	
5	role	varchar(255)		not nul	
6	status	bit		not null	active or not
7	image	varchar(255)		not null	
8	phone	int			
9	create_at	timestamp		current_timestamp	
10	update_at	timestamp		current_timestamp	

II. USERS

No.	Column Name	Data Type	Keys	Constraints	Description
1	userID	varchar(255)	Primary key	not null	login id
2	username	varchar(255)		not null	display name
3	email	varchar(255)		not null	
4	password	varchar(255)		not null	
5	status	bit		not null	active or not
6	remember_token	varchar(100)		not null	
7	image	varchar(255)			
8	create_at	timestamp		current_timestamp	
9	update_at	timestamp		current_timestamp	

III. GAME

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Signature		
Date		

Design Plan: Box Game	Document Name: Table Design	SWD/Form No.05/TAB/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 11 of 45

No.	Column Name	Data Type	Keys	Constraints	Description
1	gameId	int	Primary key	not null	
2	name	varchar(255)		not null	display name
3	description	varchar(1000)		not null	
4	gameplay	varchar(100)		not null	gameplay image
5	icon	varchar(255)		not null	game icon
6	release_date	datetime		not null	
7	developer	varchar(255)		not null	
8	developer_web	varchar(255)			
9	create_at	timestamp		current_timestamp	
10	sale	int		default 0	
11	about	varchar(2000)			
12	number_sold	int(100)			
13	top_page	bit(1)		default 0	for display on top main page
14	banner	varchar(255)		not null	game banner
15	most_played	bit(1)		default 0	

IV. RATING

No.	Column Name	Data Type	Keys	Constraints	Description
1	gameId	int	Primary key, Foreign Key	not null	
2	userId	varchar(255)	Primary key, Foreign Key	not null	
3	star	int		not null	rating star
4	message	varchar(1000)			comment
5	create_at	timestamp		current_timestamp	

V. PAYMENT

No.	Column Name	Data Type	Keys	Constraints	Description
1	cardId	int	Primary key	not null	
2	userID	varchar(255)	Foreign Key	not null	

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Design Plan: Box Game	Document Name: Table Design	SWD/Form No.05/TAB/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 12 of 45

3	number	int		not null	card number
4	cvv	int(3)		not null	security number
5	payment_date	datetime		not null	expired date
6	card_name	varchar(255)		not null	
7	image	varchar(255)		not null	
8	updated_at	timestamp		current_timestamp()	
9	created_at	timestamp		current_timestamp()	

VI. CATEGORY

No.	Column Name	Data Type	Keys	Constraints	Description
1	categoryId	int	Primary key	not null	
2	gameId	int	Foreign Key	not null	
3	type	varchar(255)	Foreign Key	not null	game type

VII. CART MASTER

No.	Column Name	Data Type	Keys	Constraints	Description
1	cartId	int	Primary key	not null	
2	userId	varchar(255)	Foreign Key	not null	
3	status	bit			check if cart paid or not
4	cartTotal	float		default 0	
5	created_at	timestamp		current_timestamp()	

VIII. CART DETAILS

No.	Column Name	Data Type	Keys	Constraints	Description
1	cart_details_id	int	Primary key	not null	
2	gameId	varchar(255)	Foreign Key	not null	

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Design Plan: Box Game	Document Name: Table Design	SWD/Form No.05/TAB/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 13 of 45

3	cartId	varchar(255)	Foreign Key	not null	
4	gameSale	int		not null	
5	gamePrice	float		not null	
6	gameIcon	varchar(255)		not null	

IX. SYSTEM REQUIREMENTS

No.	Column Name	Data Type	Keys	Constraints	Description
1	sysId	int	Primary key	not null	
2	gameId	varchar(255)	Foreign Key	not null	
3	os	varchar(255)		not null	OS system
4	storage	varchar(255)		not null	
5	chip	varchar(255)		not null	chipset
6	graphic	varchar(255)		not null	vga

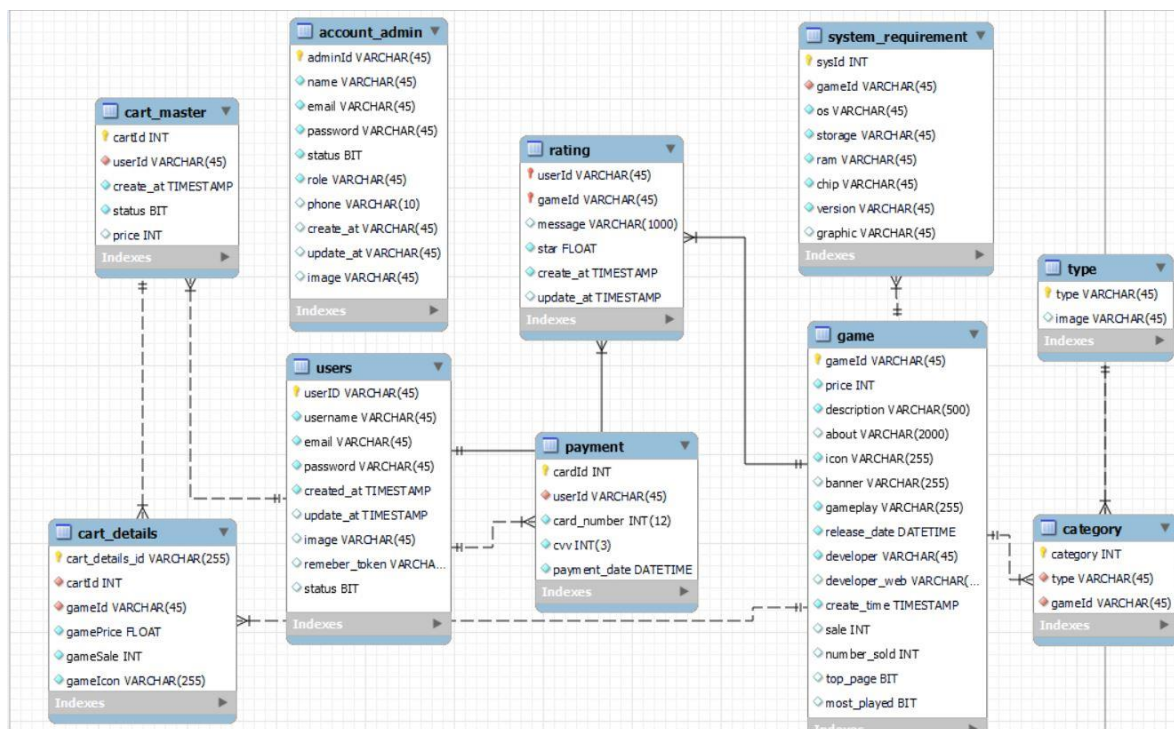
X. TYPE

No.	Column Name	Data Type	Keys	Constraints	Description
1	type	varchar(255)	Primary key	not null	
2	image	varchar(255)			

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Signature		
Date		

Design Plan: Box Game	Document Name: Relationship Diagram	SWD/Form No.05/TAB/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 14 of 45

D. Relationship Diagram

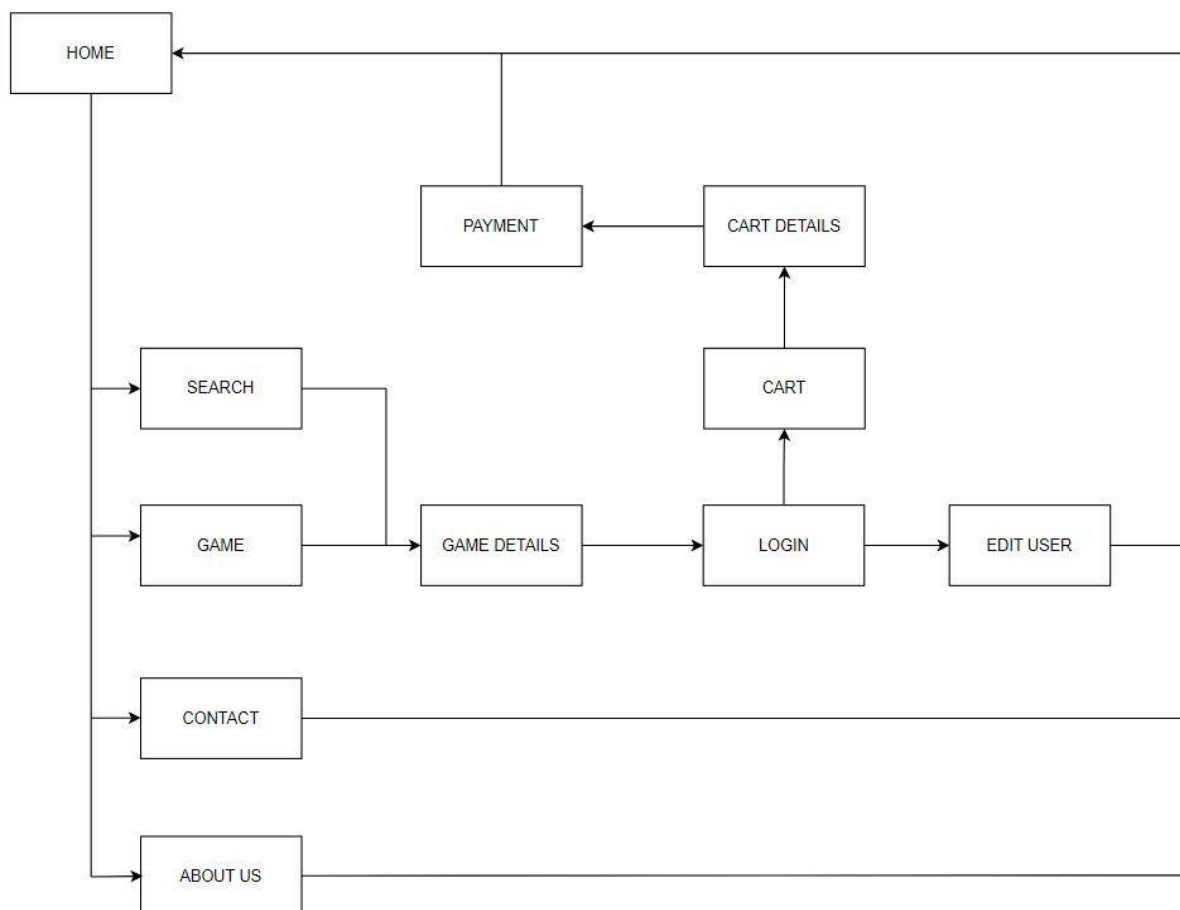


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Signature		
Date		

Design Plan: Box Game	Document Name: SiteMap	SWD/Form No.06/SM/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 15 of 45

Site Map

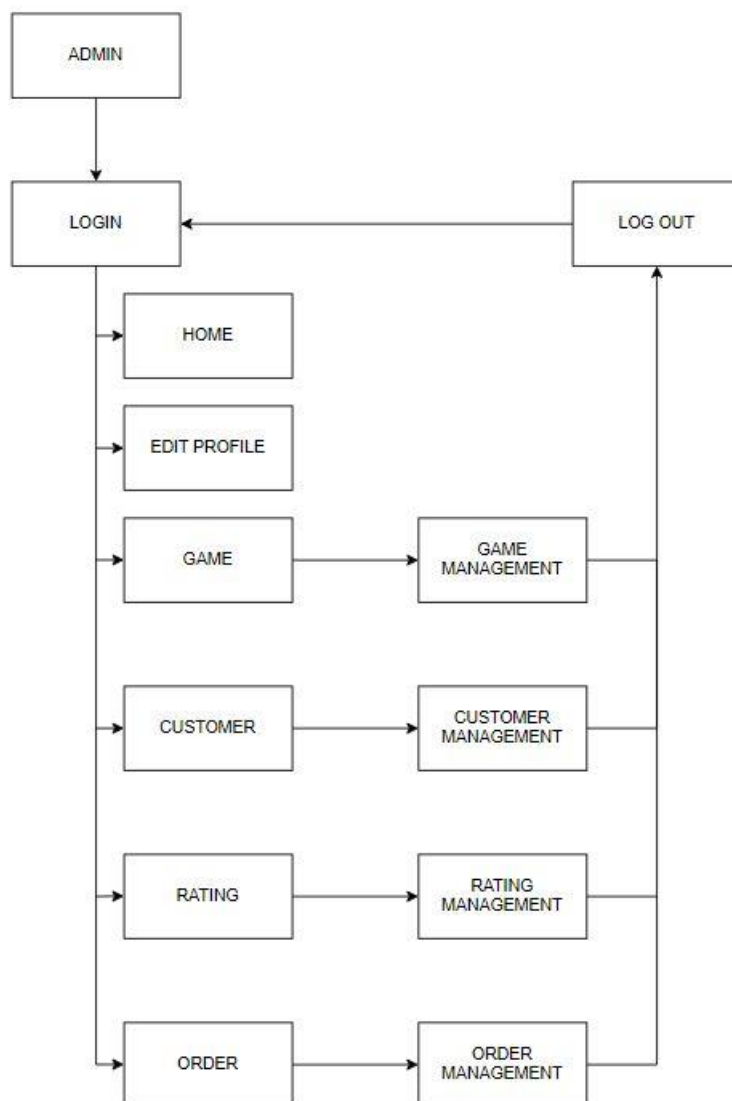
I. USER



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Date		

Design Plan: Box Game	Document Name: SiteMap	SWD/Form No.06/SM/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 16 of 45

II. ADMIN

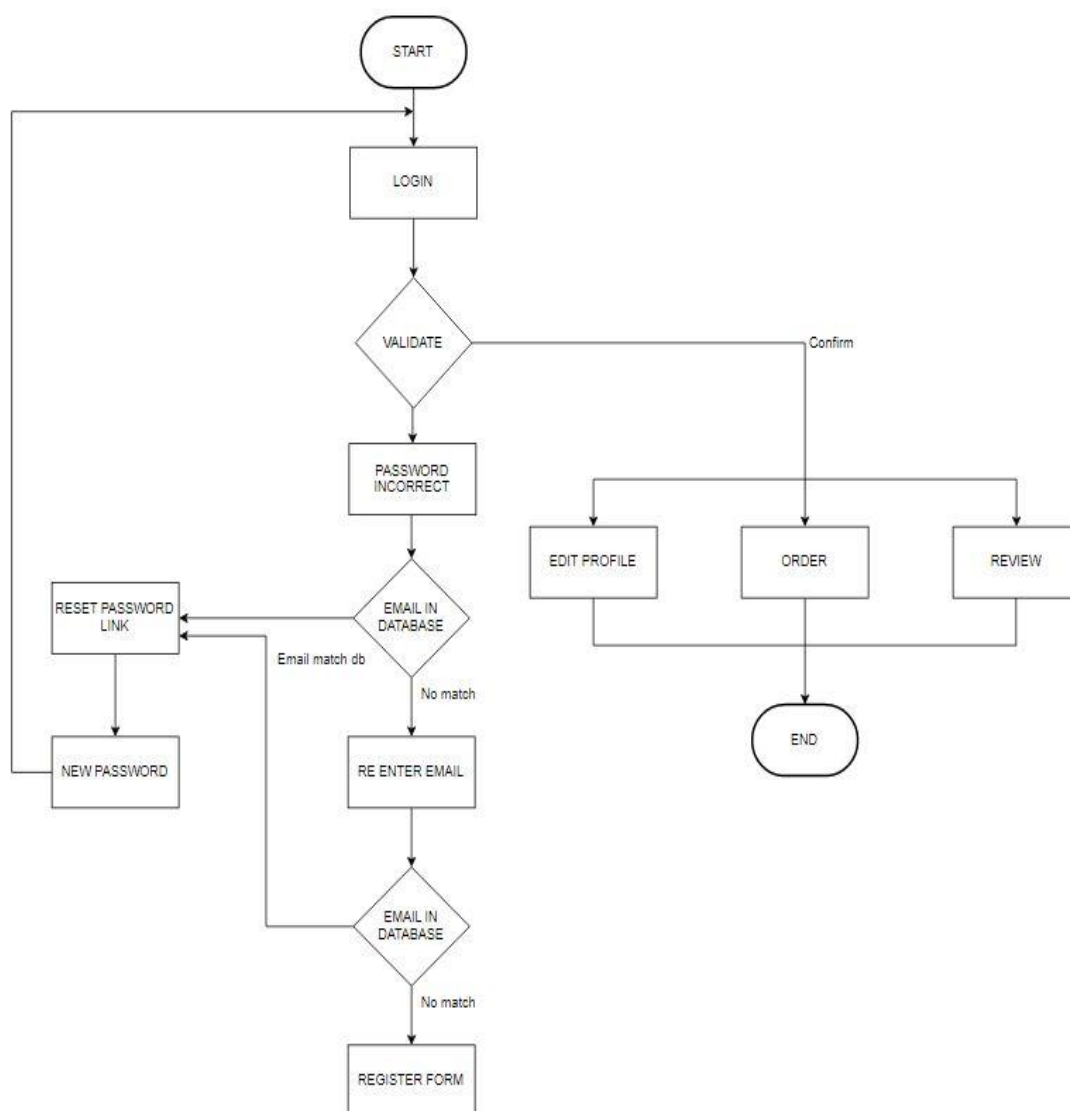


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Signature		
Date		

Design Plan: Box Game	Document Name: Algorithm	SWD/Form No.06/SM/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 17 of 45

Algorithm

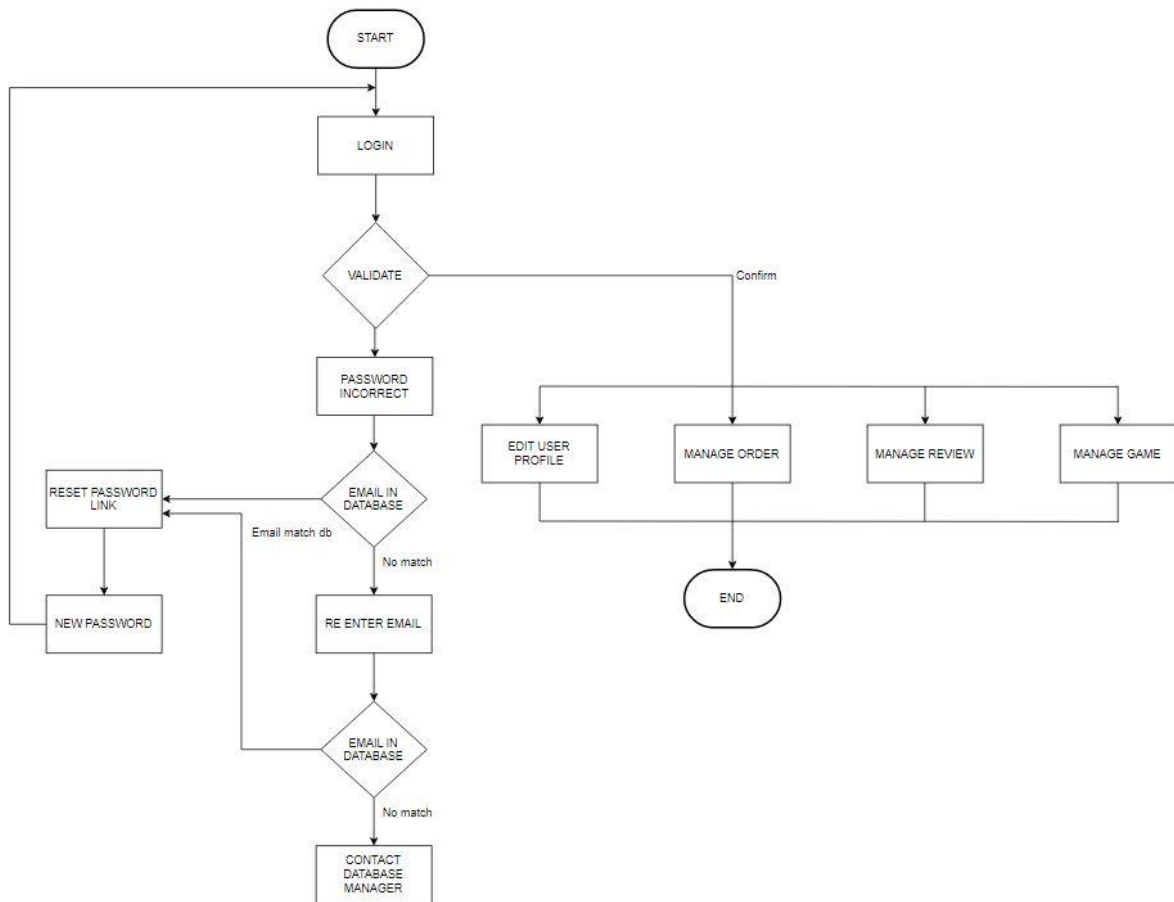
I. USER



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Date		

Design Plan: Box Game	Document Name: Algorithm	SWD/Form No.06/SM/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 18 of 45

II. ADMIN



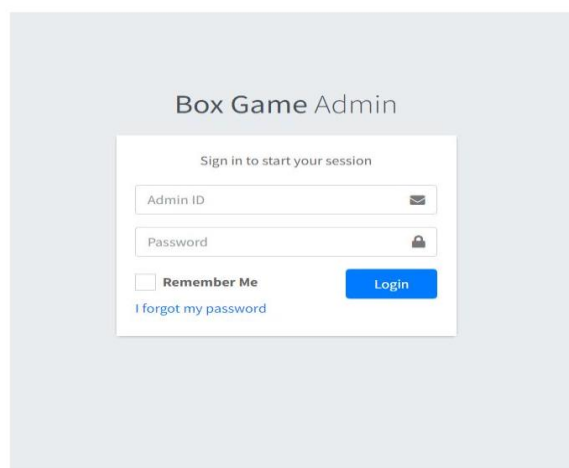
	Prepared by (Student)	Approved by (Faculty)
	Project Group No:	LE THANH NHAN
Signature		
Date		

Review 03

Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 20 of 45

Screen shots

XI. Login Page:



Description : Login for Admin

From : From start page with /admin

To : Admin Front Page

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Date		

Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 21 of 45

XII. Admin Front Page

The screenshot displays the Admin Front Page interface. On the left is a dark sidebar menu with the 'BOX GAME' logo at the top. Below the logo, the user 'Mr. Clown' is identified. The menu includes a search bar and categories: GAME (with a 'Detail' link), CUSTOMER (with a 'Detail' link), ORDERS (with a 'Detail' link), and ADMIN ACCOUNT (with a 'Detail' link). The main content area is titled 'Profile' and shows the user's profile information: 'Mr. Clown', 'Lord of the Circus', and a profile picture. It includes statistics for Followers (0), Following (0), and Friends (0), along with a 'Follow' button. To the right of the profile is an 'Edit Profile' form with fields for Login Name, Email, Name (Display Name), and Picture. There are 'Submit' and 'Reset' buttons at the bottom of the form. A checkbox for 'I agree to the terms and conditions' is also present. Below the profile and form is a large grey area labeled 'Free Space, put whatever you like in here'. At the bottom of the page, there is a copyright notice: 'Copyright © 2022 Group 4 - T1.2112.E0. All rights reserved.' and the version number 'Version 1.0.0'.

Description : Login Front Page

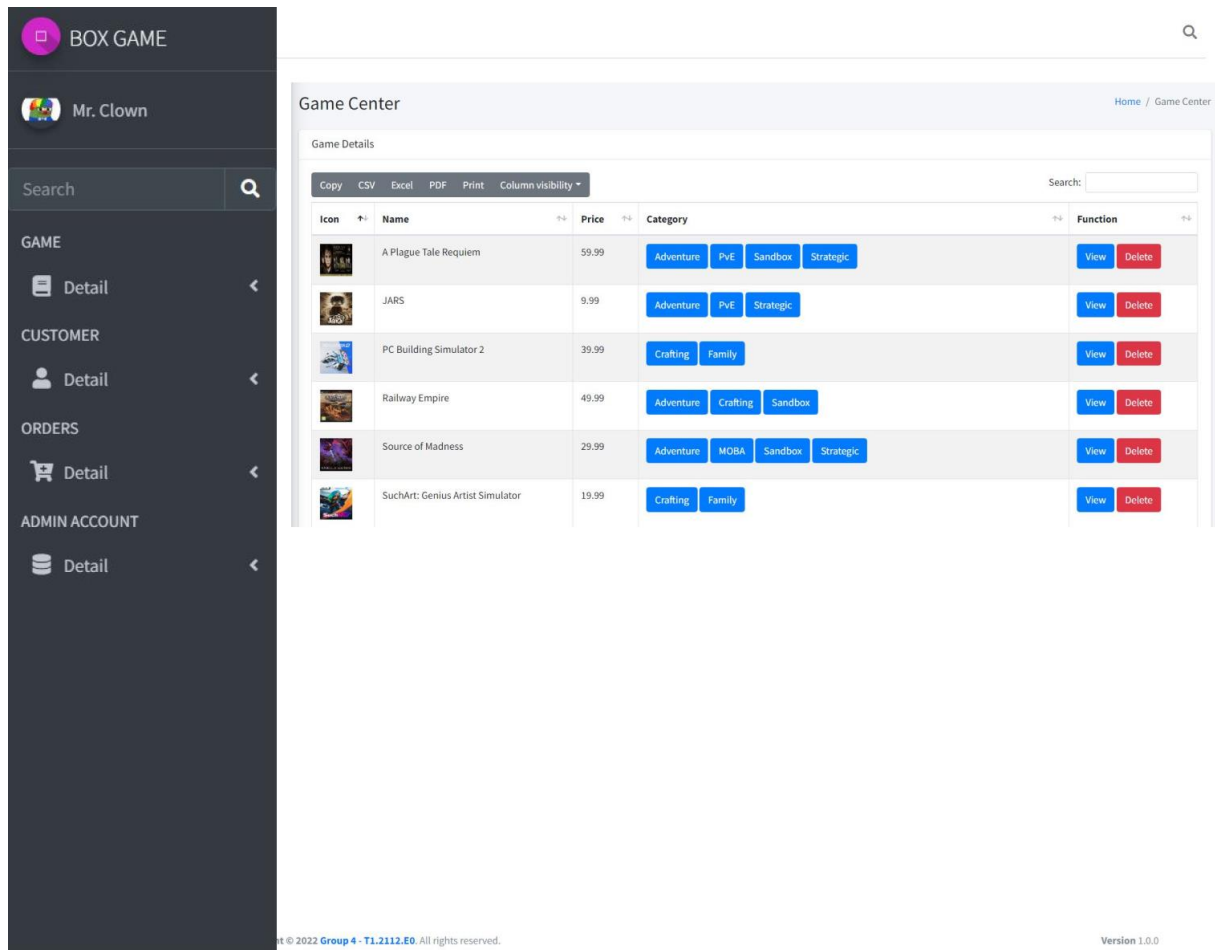
From : After login successfully

To : Game, User, Orders management, edit admin own profile or password through forms in the front page

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Signature		
Date		

Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
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XIII. Admin All Game



Description : Admin view all game in database

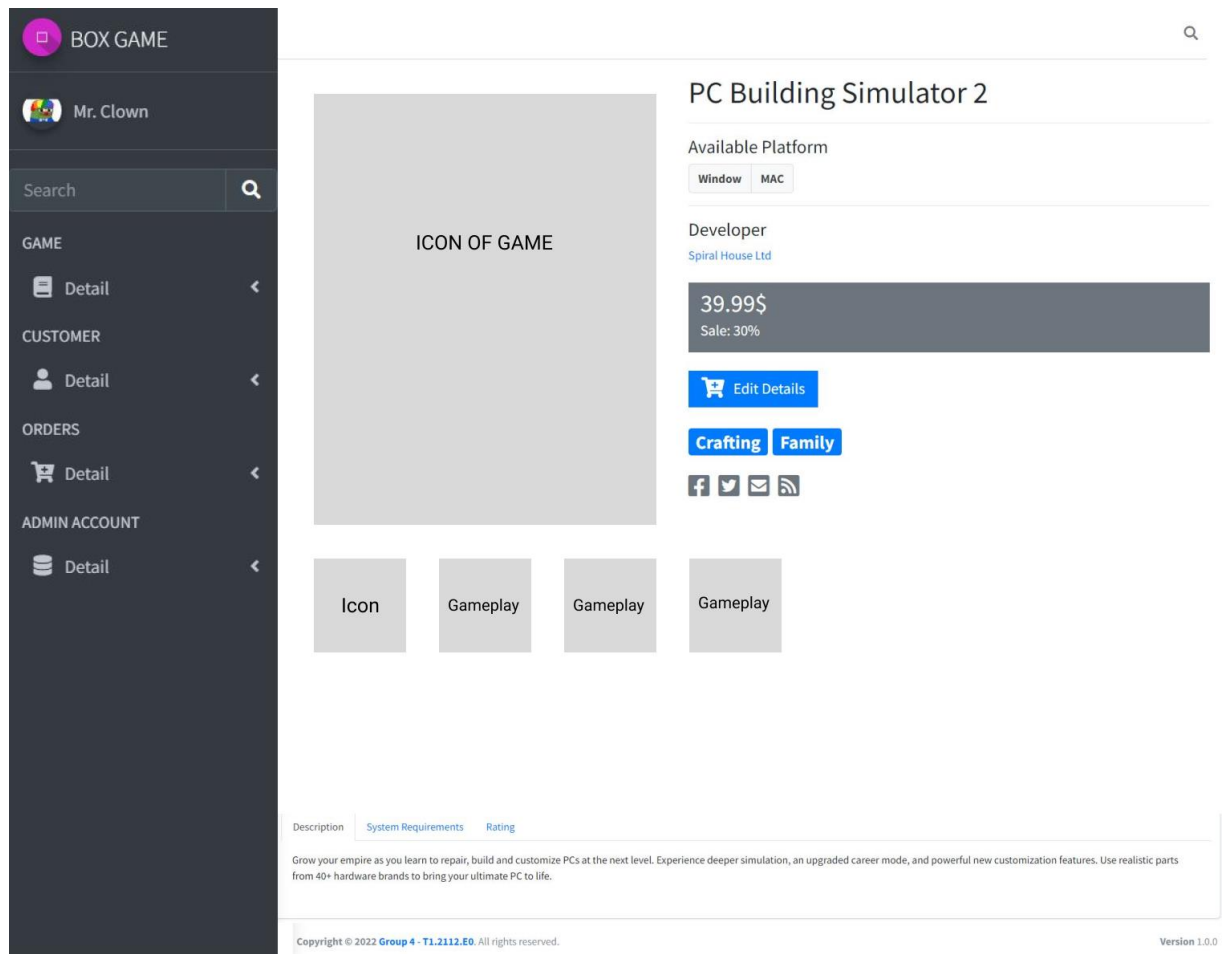
From : Side Bar

To : View detail game, delete game

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Signature		
Date		

Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 23 of 45

XIV. Admin Edit Game



Description : Detail of game

From : View all game, after click view button

To : Edit game, system requirement, category, return home

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Signature		
Date		

Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 24 of 45

XV. Admin Add Game

The screenshot shows the 'New Game' form in the BOX GAME admin interface. The form is divided into several sections:

- Game Details:** Includes fields for Game Name, Price, Sale, Description, Release Date, Developer, Developer Website, Picture Icon, and Gameplay Image.
- System Requirements:** Includes fields for OS, Version, Chipset, Memory, VGA, and Storage.
- Catalog:** A list of game genres including Adventure, Crafting, Family, FPS-Shooter, Garden, Horror, and MOBA.

The form has 'Submit' and 'Reset All' buttons at the bottom. The interface also shows a sidebar with navigation options like 'Detail', 'Customer', 'Orders', and 'Admin Account'.

Description : Add new game to database

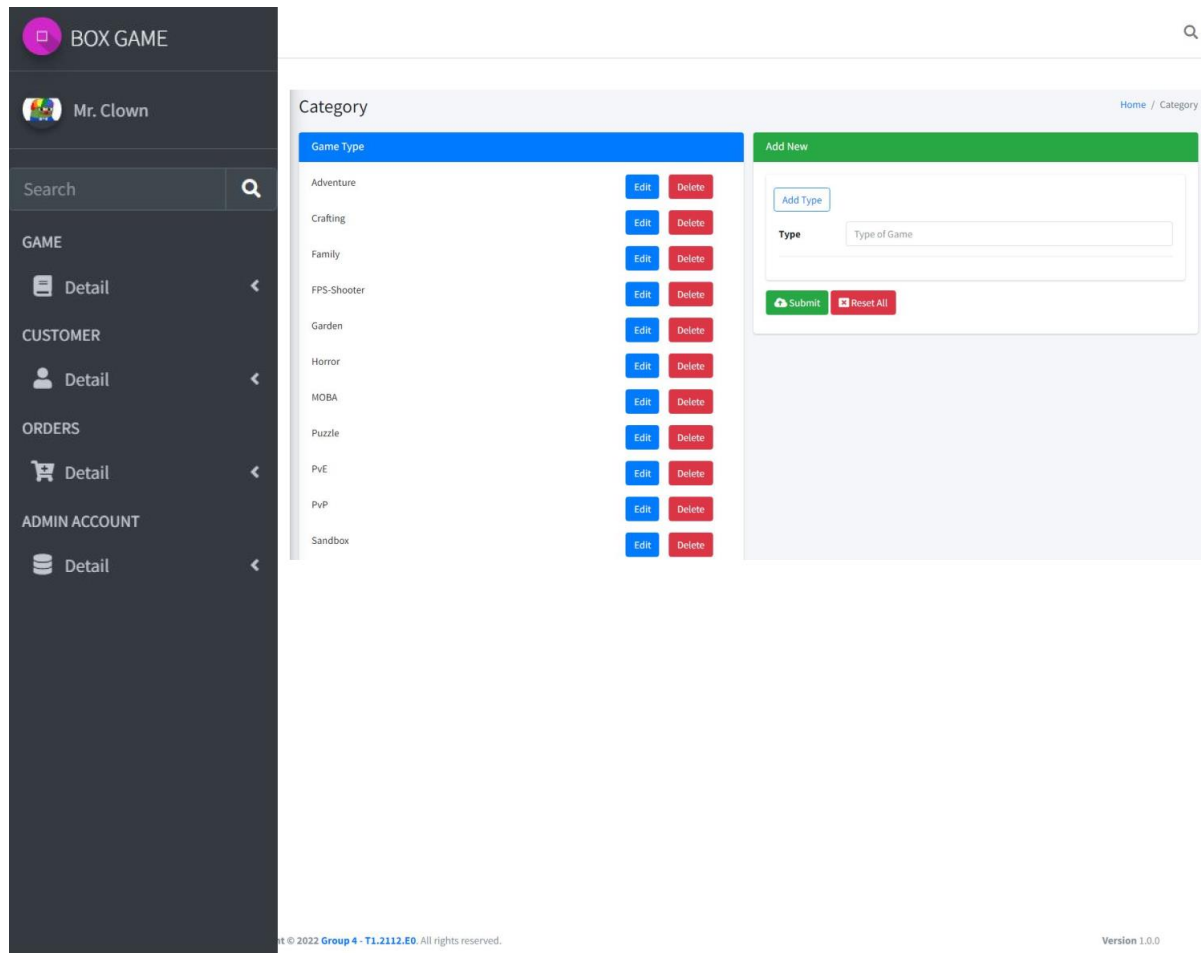
From : Side bar, game section

To : After submit form, if success return to detail page of new game, or return to create game form with error message

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Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 25 of 45

XVI. Admin Edit Category



Description : Category

From : Side bar, game section

To : Edit type or add new, or return admin front page

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Date		

Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 26 of 45

XVII. Admin User Management

USERNAME	FUNCTION	STATUS	EMAIL	DATE JOIN	ID
John Michael	DEACTIVATE	ACTIVE	john@creative-tim.com	23/04/18	43431
Alexa Lira	DEACTIVATE	ACTIVE	alexa@creative-tim.com	11/09/21	43431
Laurent Perrier	ACTIVATE	DEACTIVE	laurent@creative-tim.com	31/08/09	43431
Michael Levi	DEACTIVATE	ACTIVE	michael@creative-tim.com	23/11/06	43431
Richard Gran	DEACTIVATE	ACTIVE	richard@creative-tim.com	01/02/17	43431

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Description : Admin view all user

From : Side bar, user section

To : Return home or edit user status

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Date		

Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 27 of 45

XVIII. Admin Order Details

AdminLTE, Inc.
From: Admin, Inc.
795 Folsom Ave, Suite 600
San Francisco, CA 94107
Phone: (804) 123-5432
Email: info@almasaeedstudio.com

To: **John Doe**
795 Folsom Ave, Suite 600
San Francisco, CA 94107
Phone: (555) 339-1037
Email: john.doe@example.com

Invoice #007612
Date: 2/10/2014
Order ID: 4F358J
Payment Due: 2/22/2014
Account: 968-34567

Qty	Product	Serial #	Description	Subtotal
1	Call of Duty	455-981-221	El snort testosterone trophy driving gloves handsome	\$64.50
1	Need for Speed IV	247-925-726	Wes Anderson umami biodiesel	\$50.00
1	Monsters DVD	735-845-642	Terry Richardson helvetica tousled street art master	\$10.70
1	Grown Ups Blue Ray	422-968-642	Tousled lomo letterpress	\$25.99

Payment Methods: Amount Due 2/22/2014

Etsy doostang zoodles disqus groupon greplin oooj voxy zoodles, weebly ning heekya handango imeem plugg dopplr jibjab, movity jajah plickers sifteo edmodo ifttt zimbra.

Subtotal:	\$250.30
Tax (9.3%)	\$10.34
Shipping:	\$5.80
Total:	\$265.24

[Print](#) [Generate PDF](#) [Submit Payment](#)

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Description : Orders detail of user

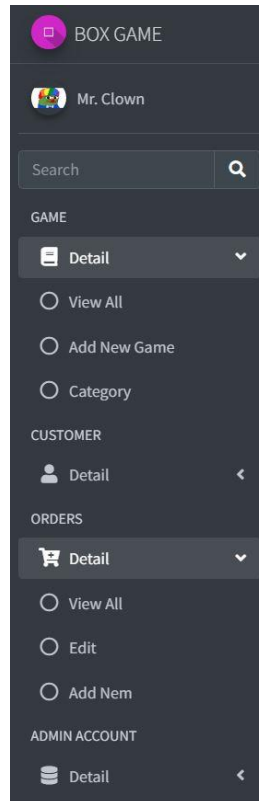
From : Side bar, order section

To : Print invoice, send to email or return home

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

Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 28 of 45

XIX. NavBar Details



Description : Side bar

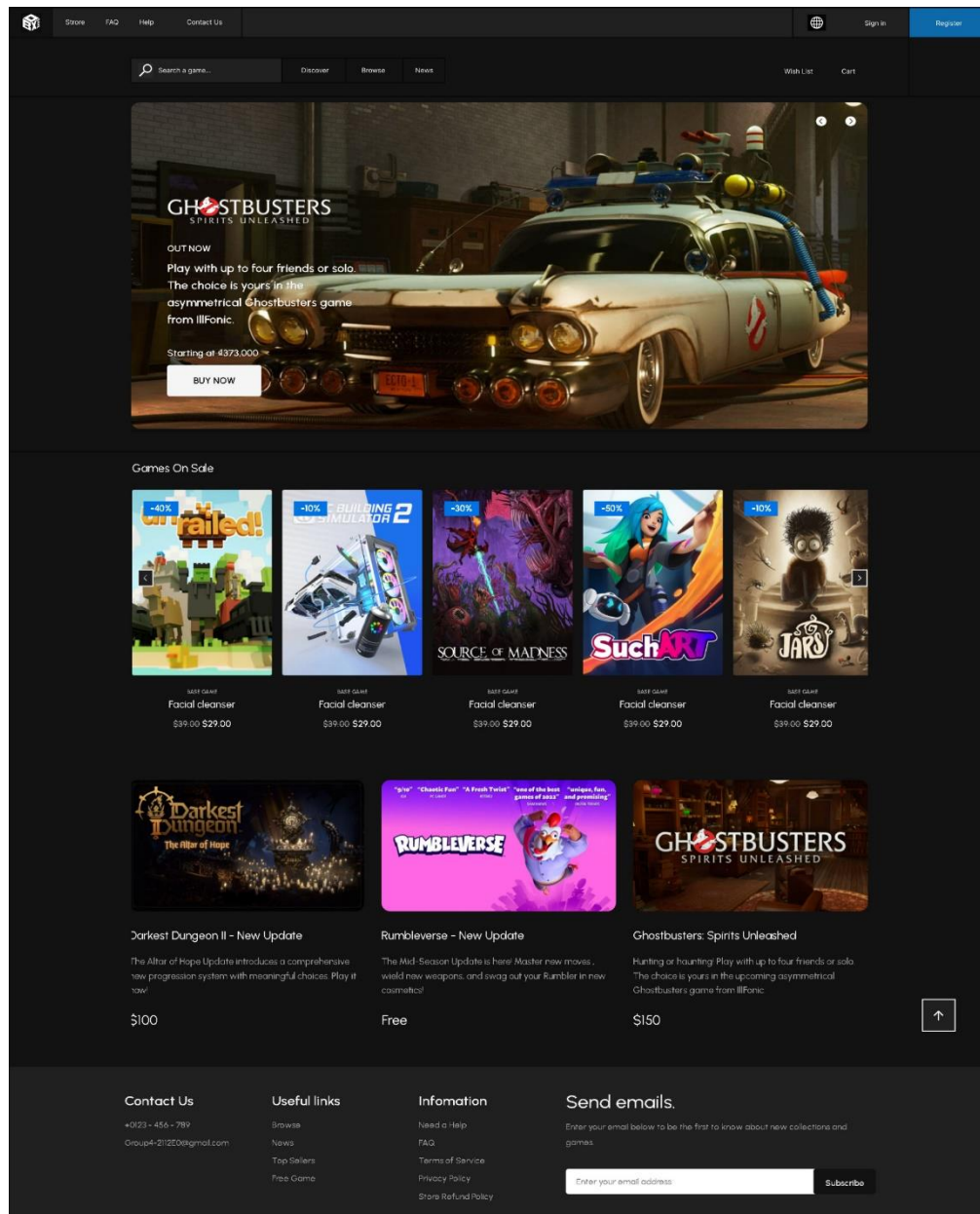
From : After login successfully

To : Game, User, Orders management

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Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 29 of 45

XX. Main Page



Description : Main web page

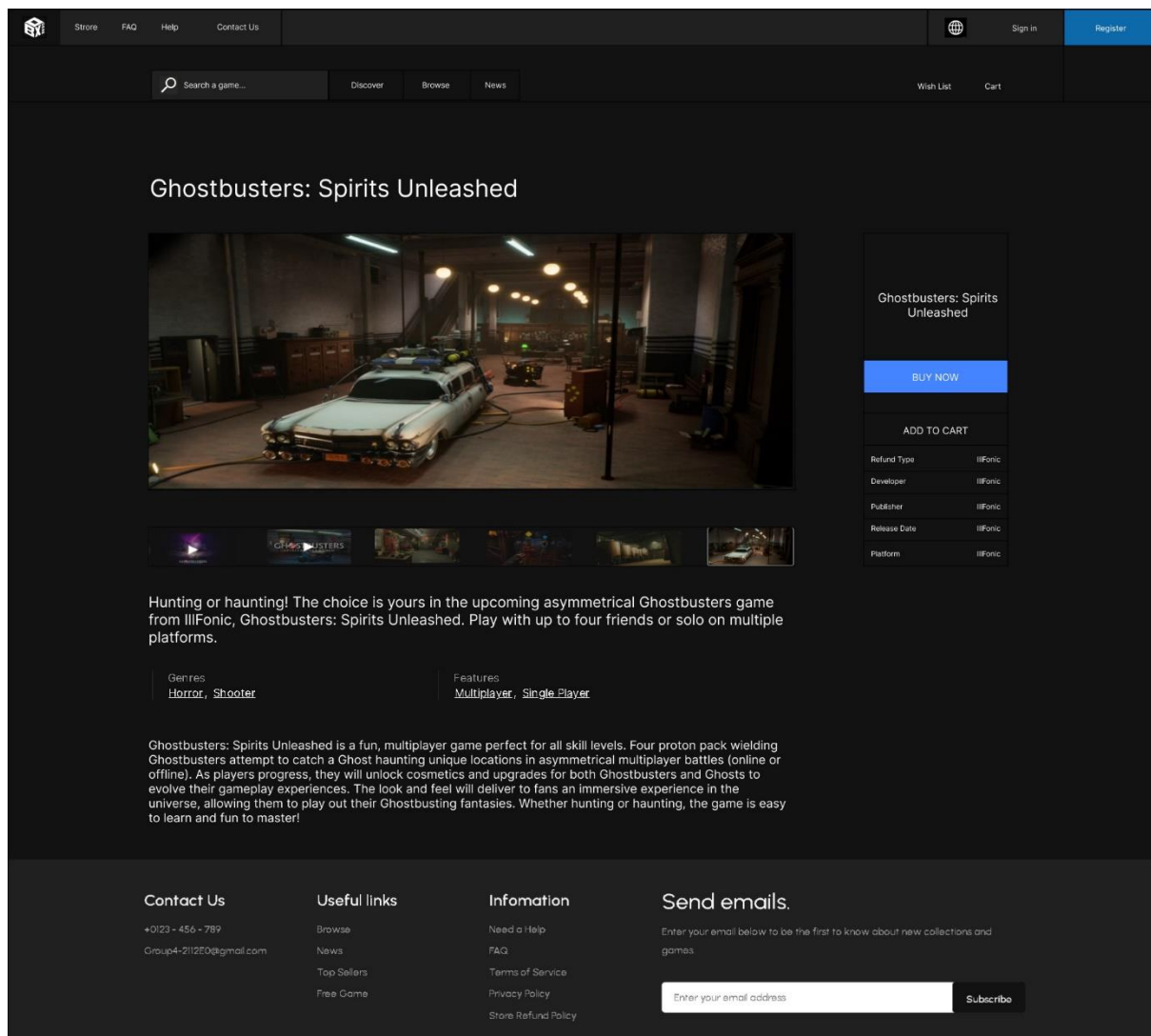
From : After click URL

To : Game detail, add to cart, browse category, login, contact,....

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Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 30 of 45

XXI. Game Detail



Description : Detail of game

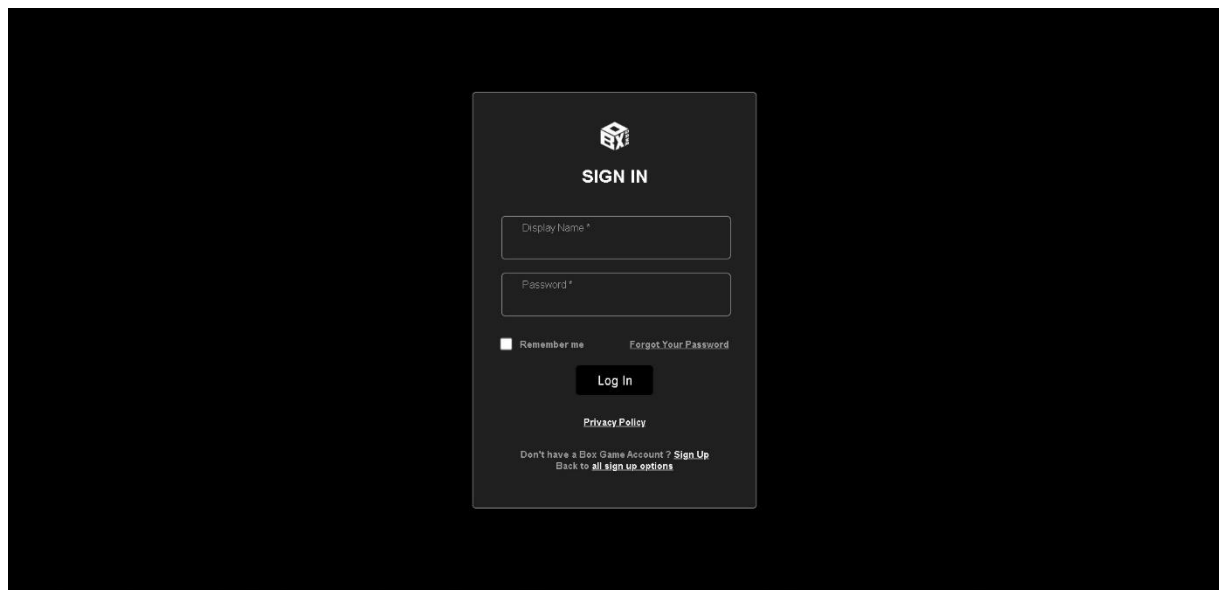
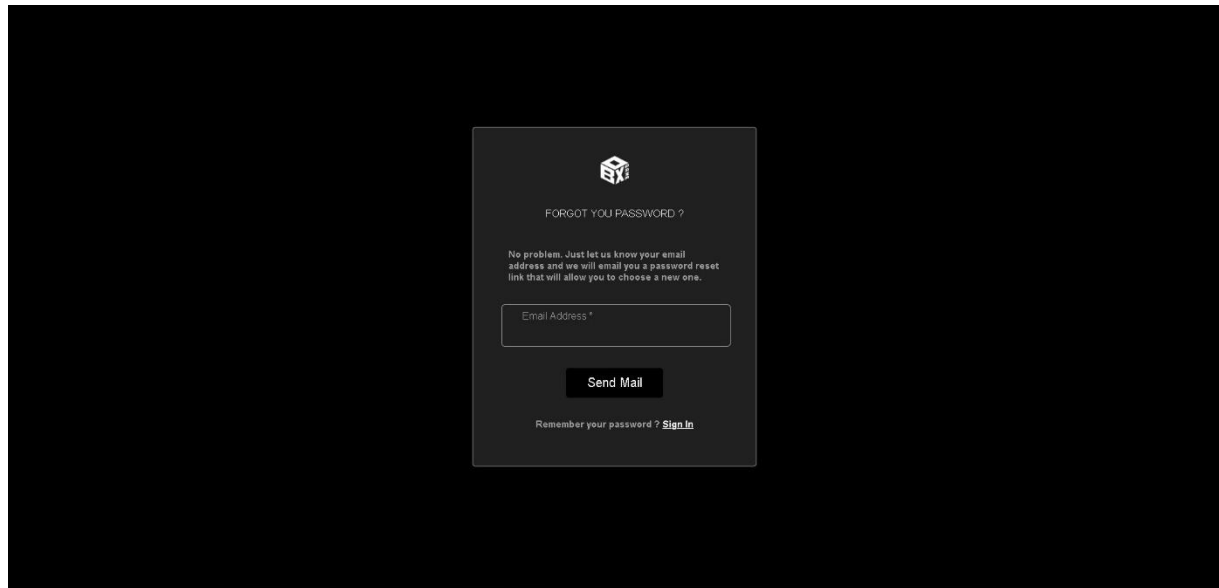
From : Home, after click picture or game name

To : Add to cart or return home

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Date		

Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 31 of 45

XXII. User Login, Register and Forget Password



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Signature		
Date		

Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 32 of 45

Description : User form

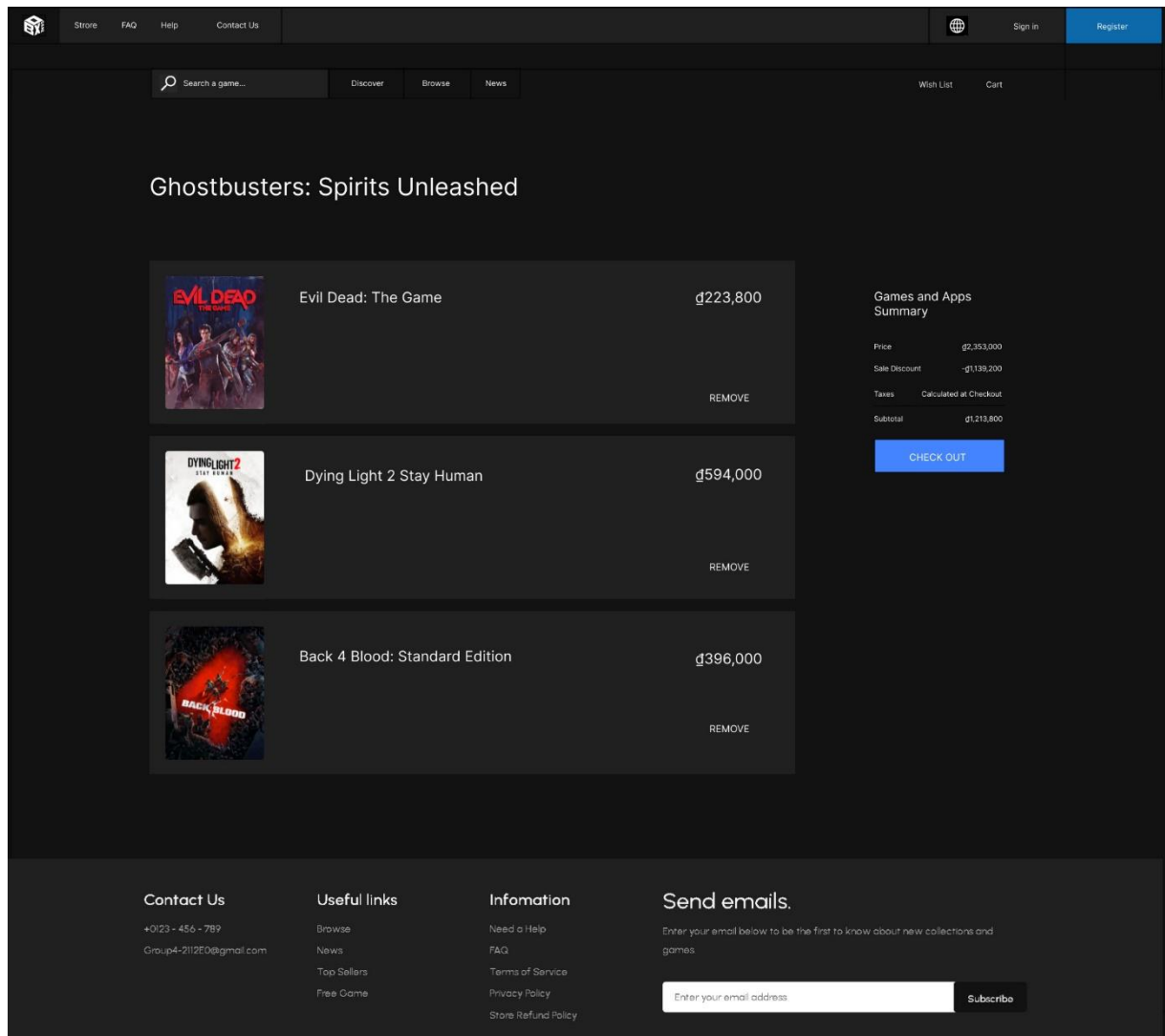
From : Home, login button or add to cart if not login

To : Anywhere in page for login, turn back home when recover password

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Date		

Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 33 of 45

XXIII. Cart Detail



Description : Cart detail of user

From : Home, button cart after login

To : Process to payment or return home

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Date		

Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 34 of 45

XXIV. User Profile Edit

Description : Edit profile of user

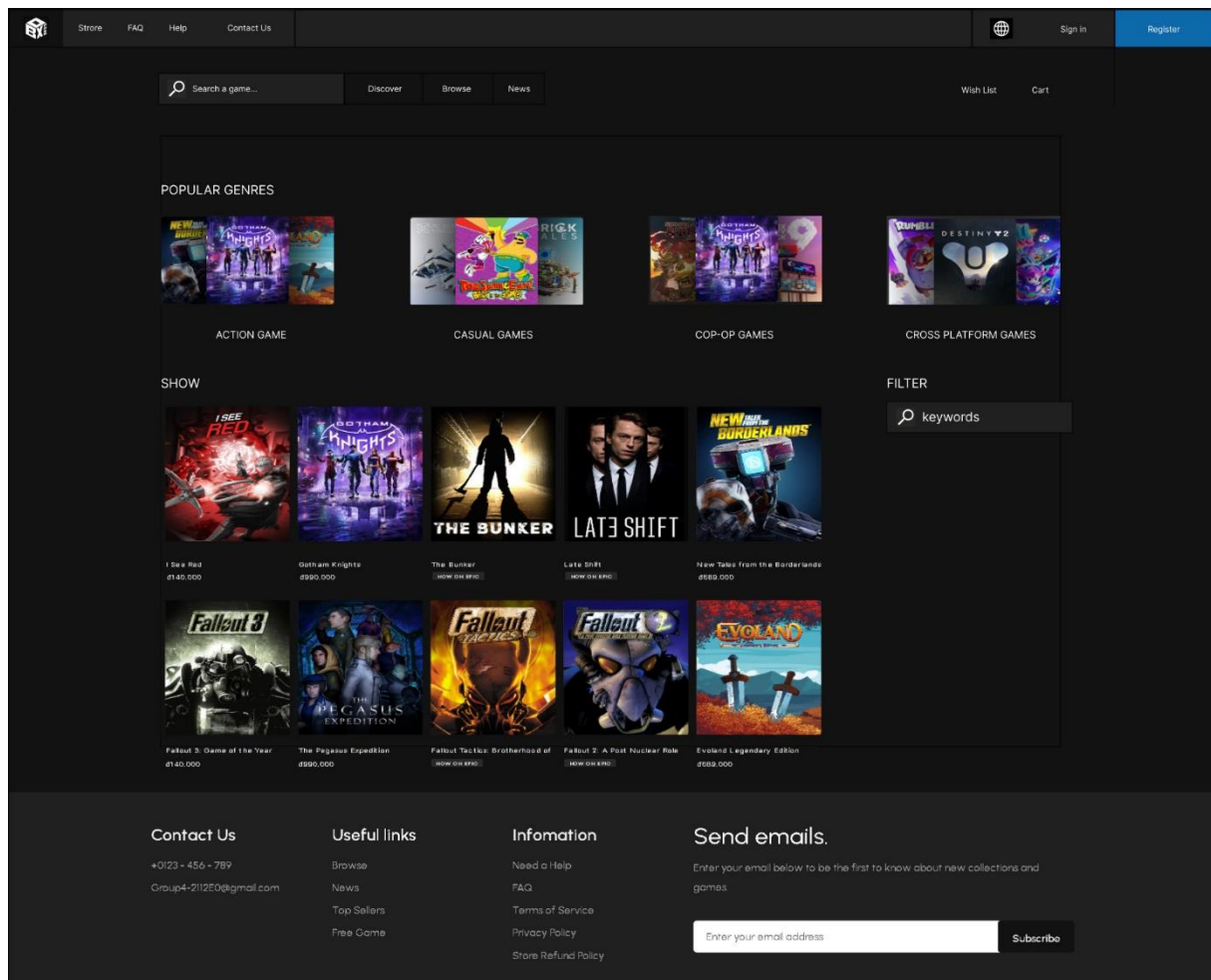
From : Home, button username top page after login

To : Edit account or return home

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Date		

Design Plan: Box Game	Document Name: Screen shots	SWD/Form No.08/SS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 35 of 45

XXV. Browse Category



Description : Category

From : Home, browse in top page

To : Game detail by click to game image or return home

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Design Plan: Box Game	Document Name: Testing document	SWD/Form No.09/TD/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 36 of 45

Testing document

Sr.No	Features Tested	Remarks
1	The Home Page should be neatly created with proper logo, menu and images.	
2	A menu which will include all the functions implemented in the site.	
3	A catalogue should be provided which will help the users to have a look.	
4	The user should be able to search the game based on name and type.	
5	Admin should be able to add mutiple game image	
6	Admin should be able to edit game info	
7	Does the Web page take too long to be loaded fully?	
8	Are all the forms validated with proper criteria?	
9	All image should be clearly see from page	
10	Proper message for each error	
11	All functions should working correctly	
12	Check spelling error	
13	Admin has to login first	

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Design Plan: Box Game	Document Name: Final checklist	SWD/Form No.10/FC/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 37 of 45

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?	

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Signature		
Date		

Design Plan: Box Game	Document Name: Task Sheet	SWD/Form No.11/TS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 38 of 45

No	Member	Contents		Table Name	Activity Plan	Date of Preparation of Activity Plan		
					Planned Start Date	Actual Start Date	Actual Days	Status
1	Nguyễn Tuấn Lộc	Admin	Edit Admin account, manage system requirement each game platform, manage type of game	Account_admin, System_requirement, Type	12/10/2022	14/10/2022	2	OK
2					16/10/2022	16/10/2022	1	OK
3		User	Check system requirement		18/10/2022	18/10/2022	12	OK
4					31/10/2022	01/11/2022	1	OK
1	Nguyễn Gia Bảo	Admin	Order Management, check order status	Cart_master, Cart_details	12/10/2022	14/10/2022	10	OK
2					01/11/2022	1/11/2022	5	OK
3					10/11/2022	10/11/2022	5	OK
4		User	Personal Order Management		14/10/2022	15/10/2022	5	OK
1	Nguyễn Phước Hoàn	Admin	Customer Management	User, Payment	12/10/2022	12/10/2022	5	OK
2					18/10/2022	19/10/2022	5	OK
3		User	Register		31/10/2022	31/10/2022	5	OK
4			Edit profile, Add payment		01/10/2022	01/10/2022	5	OK
1	Nguyễn Lê Thanh Tùng	Admin	Game Management, Add or Delete Category	Game, Category	12/10/2022	14/10/2022	5	OK
2					15/10/2022	15/10/2022	5	OK
3		User	View, Search Product		01/11/2022	31/10/2022	5	OK
4					01/11/2022	10/11/2022	5	OK
1	Nguyễn Công Hùng	Admin	Rating/Comment Management	Rating	01/10/2022	01/10/2022	N/A	N/A
2					01/10/2022	01/10/2022	N/A	N/A
3					01/10/2022	01/10/2022	N/A	N/A
4		User	Send rating, Comment		01/10/2022	01/10/2022	N/A	N/A

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	Project Group No:	LE THANH NHAN
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Design Plan: Box Game	Document Name: Task Sheet	SWD/Form No.11/TS/Ver1.0
Effective Date: 12/10/2022	Version 1.0	Page No: 39 of 45

	Prepared by (Student)	Approved by (Faculty)
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Signature		
Date		