



**The Faculty of Information and Communication Technology
Mahidol University**

ITCS212: Web Programming

Project Phase 1: Web Analysis and Design

Presented to

Computer Science Academic Group,
Faculty of ICT,
Mahidol University

Prepared by

Group 4

6488029 Chanikarn Jongyingyos

6488209 Narita Chadha

6588032 Phudis Jittiwongsamarn

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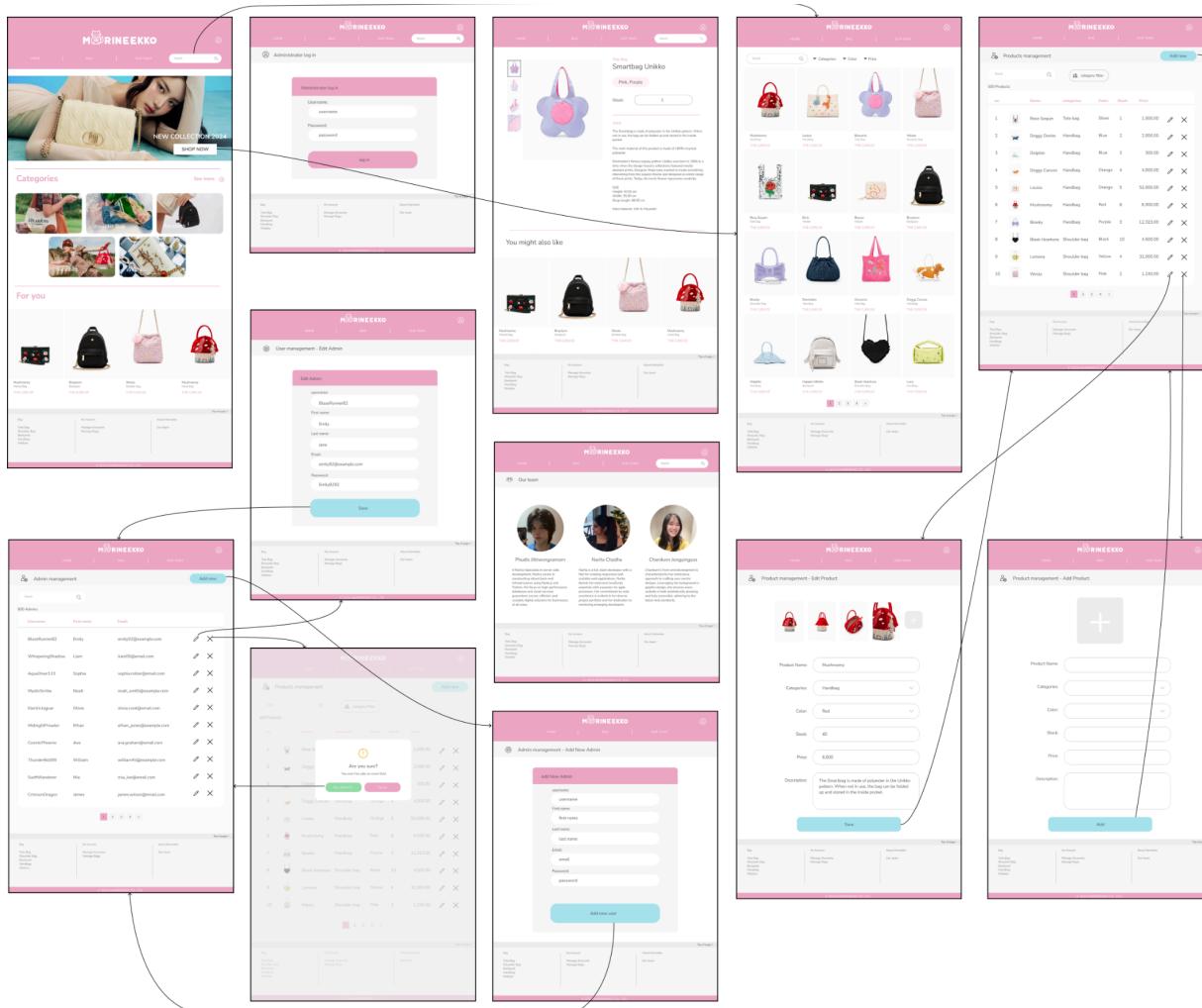
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Project description

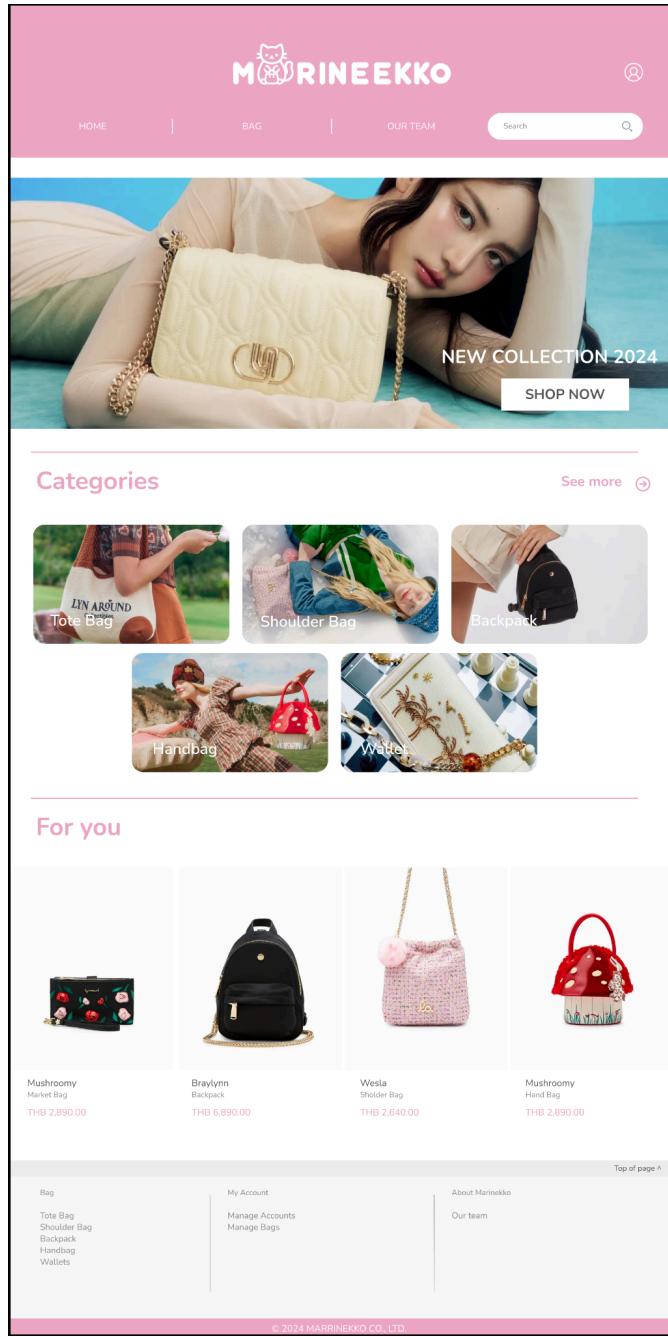
Merineekko is a brand inspired by the Marimekko [1], Lyn [2], and Lyn Around [3] brands. Marinekko is a website where different kinds of bags are sold. The different kinds of bags include shoulder bags, backpacks, hand bags, market bags, and tote bags. The scope of the marinekko website is focused on administrator activities which includes the process of adding new products, modifying and removing existing products, adding new user accounts, modifying existing user accounts, and removing specific user accounts. Target users can search for products, aka the bags, by bag's name, color and categories.

Wireframe

All Pages



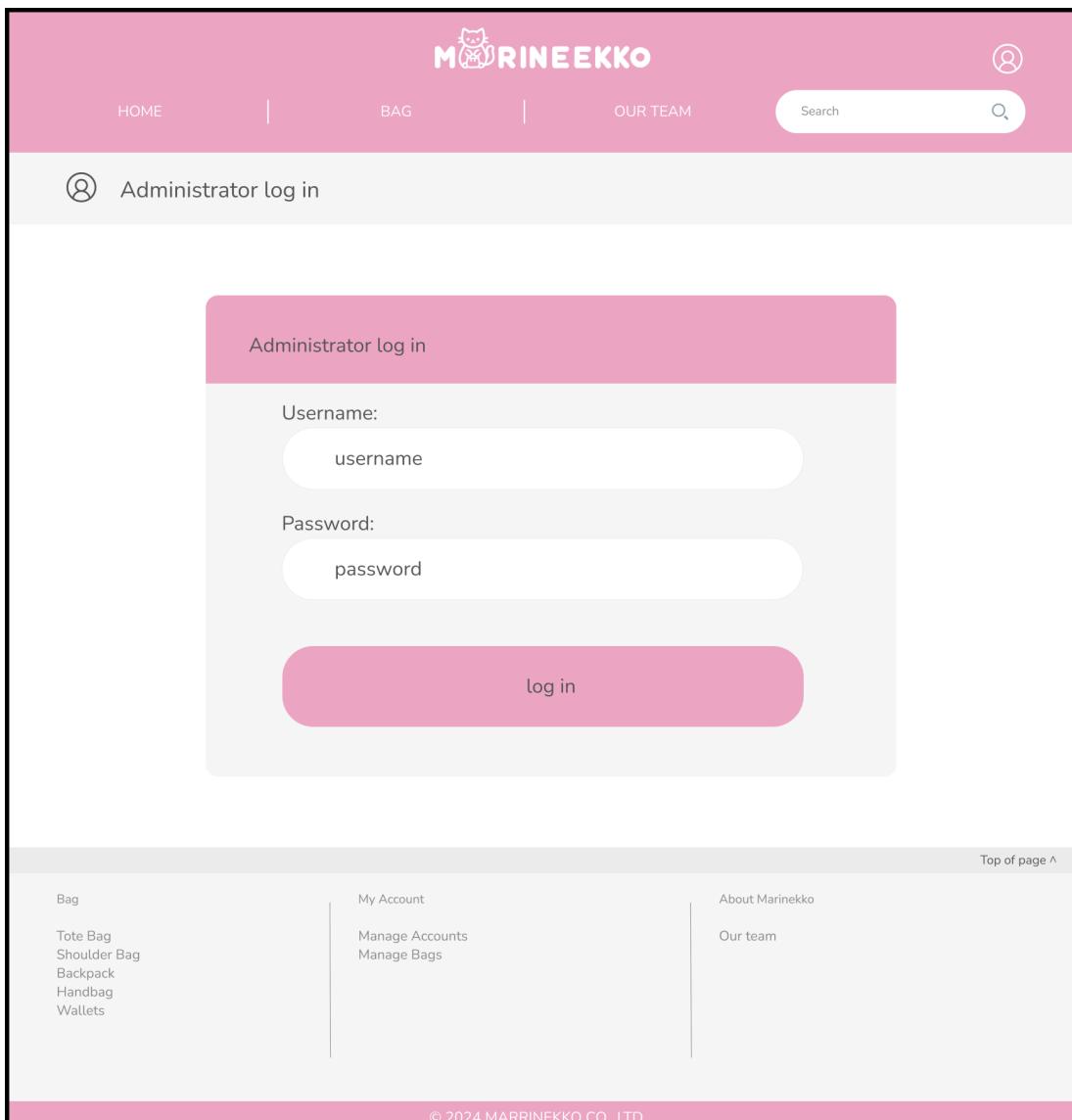
Home Page



Homepage of Marinekko

On top of a homepage, there are 3 buttons for home, Bag, and our team. Our target user can search for bags by using keywords. The page shows the latest collection on a banner, categories, and for you where it shows the user's preference bags.

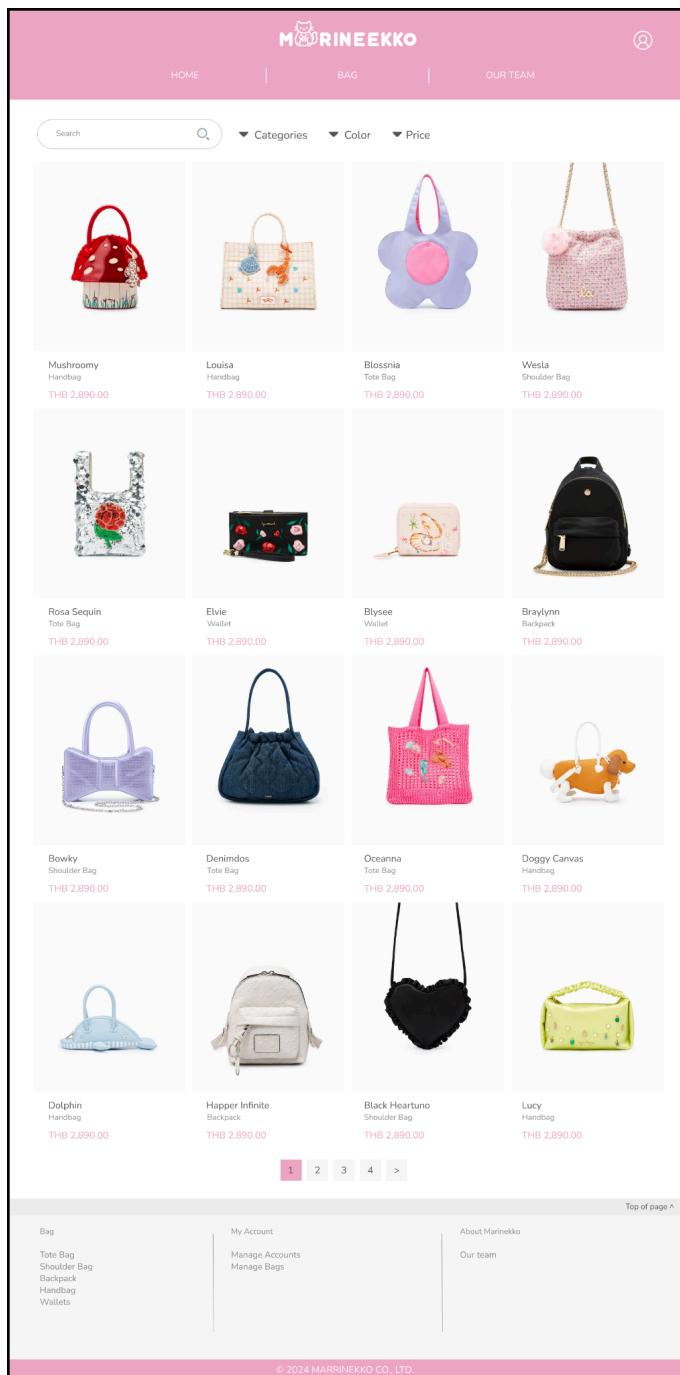
Login page



Login Page for Administrator

When clicking an icon of the account which is placed above the search bar, the login page will be demonstrated. Only administrators can login into their account by inserting their username and password.

Search Page



Search page

Users can insert any bag's keywords, for instance, the picture above shows the list of bags that are shoulder bags. Moreover, they can also select more precise types of bags by selecting categories, color, and price.

Detail Page

The screenshot shows a product detail page for a "Smartbag Unikko". The page has a pink header with the logo "MARRINEKKO" and navigation links for "HOME", "BAG", "OUR TEAM", and a search bar. On the left, there's a sidebar with small thumbnail images of other bags. The main content area features a large image of the "Smartbag Unikko", which is a purple tote bag with a large pink circular pocket. To the right of the image, the product name "Smartbag Unikko" is displayed, along with color options "Pink, Purple". A "Stock" indicator shows "1". Below this, there's a section titled "INFO" with descriptive text about the bag's material and history. Technical details like size and material are also listed. At the bottom, a "You might also like" section shows four other bags: "Mushroomy Market Bag", "Braylyn Backpack", "Wesla Shoulder Bag", and "Mushroomy Hand Bag". The footer contains links for "Bag", "My Account", "About Marinnekko", and copyright information "© 2024 MARRINEKKO CO., LTD."

Detail of a bag page

When the user clicks on one of the bags, the details of the bag will be illustrated as shown in the picture above. A user can view the information of the bag.

Product Management

The left screenshot shows a list of 500 products. The right screenshot shows a delete confirmation dialog for a product named 'Doggy Denim'.

No.	Name	Categories	Color	Stock	Price
1	Rose Sequin	Tote bag	Silver	1	1,000.00
2	Doggy Denim	Handbag	Blue	2	2,000.00
3	Dolphin	Handbag	Blue	3	300.00
4	Doggy Canvas	Handbag	Orange	4	4,000.00
5	Louisa	Handbag	Orange	5	52,000.00
6	Mushroomy	Handbag	Red	6	6,000.00
7	Bowky	Handbag	Purple	3	12,323.00
8	Black Heartuno	Shoulder bag	Black	10	4,500.00
9	Lemonia	Shoulder bag	Yellow	4	32,000.00
10	Wesla	Shoulder bag	Pink	2	1,240.00

Delete Confirmation Dialog:

Are you sure?
You won't be able to revert this!

Buttons:

- Yes, delete it! (Green)
- Cancel (Pink)

Product Management Page

After a login process, the administrator can modify by clicking the pencil icon, add by clicking on add new button, or remove the product by clicking the “x” button and the system will ask if you are sure about removing the product.

Add new product (left) and edit existing product (right)

Administrators can add a new product by clicking on add product and provide details of Product Name, Category, Color, Stock available, price, and a description of a product. The adding process will be complete when the add button is clicked.

For editing product's information, the administrator can make any modification on the information and click on the save button to store the latest information.

User Account Management

The image displays two side-by-side screenshots of a user account management interface for a website named MORINEEKKO.

Left Screenshot (Admin management - Add New Admin): This screen shows a form titled "Add New Admin" with fields for username, first name, last name, email, and password. Below the form is a blue "Add new user" button. At the bottom, there are navigation links for "Bag", "Tote Bag", "Shoulder Bag", "Backpack", "Handbag", and "Wallets". To the right, there are links for "My Account", "Manage Accounts", and "Manage Bags". On the far right, there are links for "About Marineekko" and "Our team". The footer contains the copyright notice "©2024 MARINEEKKO CO., LTD".

Right Screenshot (User management - Edit Admin): This screen shows a form titled "Edit Admin" with fields for username, first name, last name, email, and password, pre-filled with sample data. Below the form is a blue "Save" button. At the bottom, there are navigation links for "Bag", "Tote Bag", "Shoulder Bag", "Backpack", "Handbag", and "Wallets". To the right, there are links for "My Account", "Manage Accounts", and "Manage Bags". On the far right, there are links for "About Marineekko" and "Our team". The footer contains the copyright notice "©2024 MARINEEKKO CO., LTD".

User account management page

Administrators can add new user admins by inserting username, first name, last name, email, and password. The information can also be changed by the administrator by going on the editing page, and modification of the information can be performed. To complete the editing process, the save button will be clicked.

Team Page

The screenshot shows the 'Our team' section of the MarinEkko website. At the top, there's a navigation bar with links for 'HOME', 'BAG', 'OUR TEAM', and a search bar. Below the navigation, the heading 'Our team' is displayed next to a person icon. The main content area features three team members in circular profile pictures: Phudis Jittiwongsamarn, Narita Chadha, and Chanikarn Jongyingyos. Each member has a name below their picture and a detailed description below that. At the bottom of the page, there's a footer with links for 'Bag', 'My Account', and 'About MarinEkko', along with a copyright notice.

Top of page ^

Bag

Tote Bag
Shoulder Bag
Backpack
Handbag
Wallets

My Account

Manage Accounts
Manage Bags

About MarinEkko

Our team

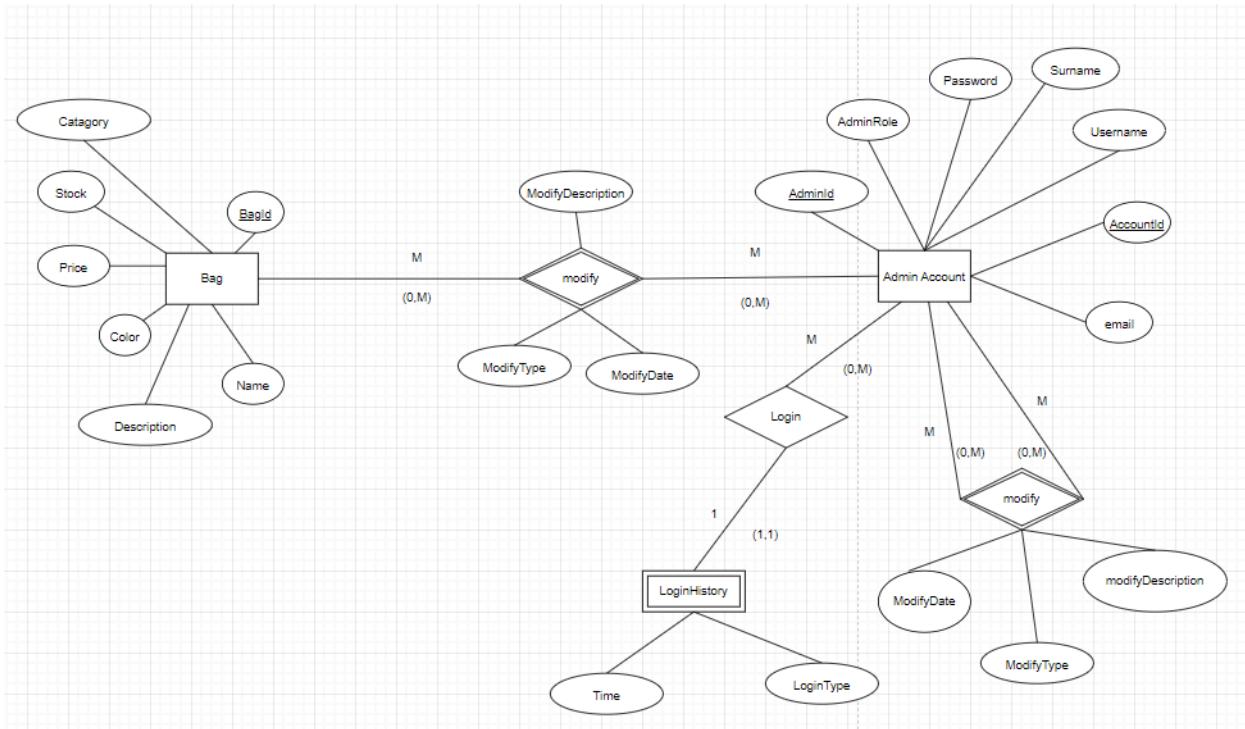
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Team Page

When our target users click on our team, the page of team members will be shown which includes their name and a description.

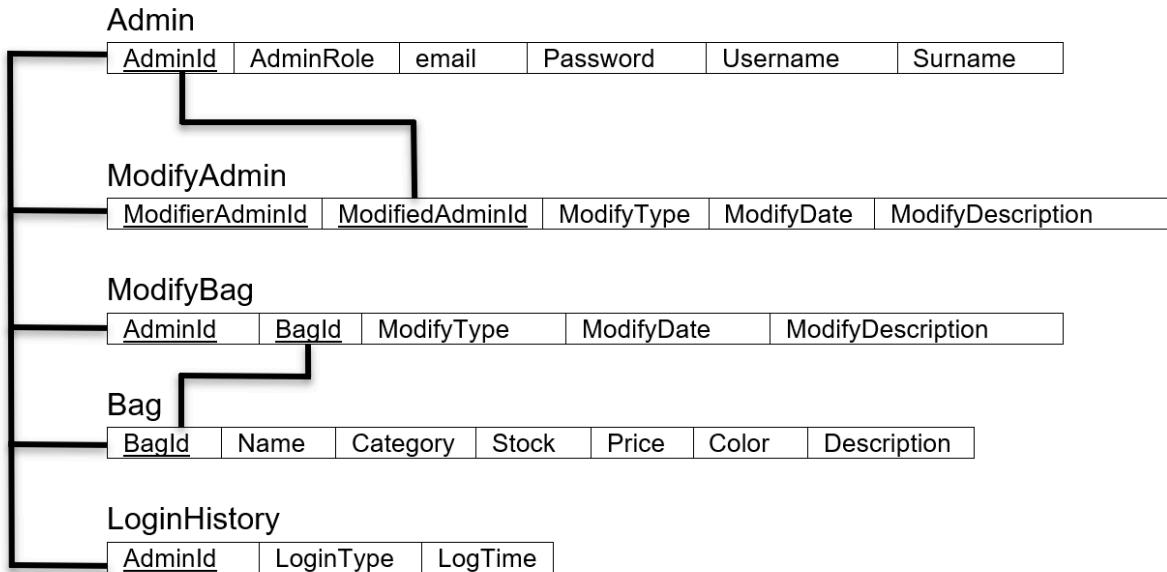
Data Model

ERD



Many Bags can be modified by many admins where admins can add, remove, edit the bag details. Bag consists of BagID, Name, Description, Color, Price, Stock, Category, and isAvailableinShop. Admin Account contains AdminId, AdminRole, password, surname, username, accountID and email. When admin logs in, the login history will be collected with Time logged in and Type of login. It is a weak entity because the login from admin will be required first then LoginHistory will occur. Each admin account can modify by adding, removing, and editing another admin account.

Relational Data Model



Admin account has AccountId, AdminRole, email, password, username and surname which links ModifierAccountId and ModifiedAdminId. AdminId is a foreign key in ModifyBag and LoginHistory. In the bag entity, there is BagId which is a primary key and a foreign key in ModifyBag. LoginHistory keeps the information of AdminId which is a foreign key from Admin, LoginType, and LogTime.

References

- [1] “Marimekko Thailand,” *Marimekko Thailand*. [Online]. Available: <https://www.marimekko.co.th/>. [Accessed: 20-Feb-2024].
- [2] “LYN Official Online Store - อัพเดตแฟชั่นกระเปื้าและเครื่องประดับ,” *Lynaccs.com*. [Online]. Available: <https://www.lynaccs.com/th/>. [Accessed: 20-Feb-2024].
- [3] “Lyn Around official online store,” *Lynaround.com*. [Online]. Available: <https://www.lynaround.com/>. [Accessed: 20-Feb-2024].