

COSC360

UBCO

Feb 27, 2023

Gyumin Moon

Harshall

Server-Side Proposal

Server-Side Demo

URL: <https://cosc360.ok.ubc.ca/gyumin/PROJECT-COSC360-1/page/>

Github: <https://github.com/COSC360/project-2020-byte>

Demo Video:

Page List:

/page/index.php

/page/login.php

/page/signup.php

/page/lost.php

/page/profile.php

/page/users.php

/page/productSearch.php

/page/product.php

/page/opinion.php

.....

Website user's objectives:

Browse discussions without registering.

/page/productSearch.php

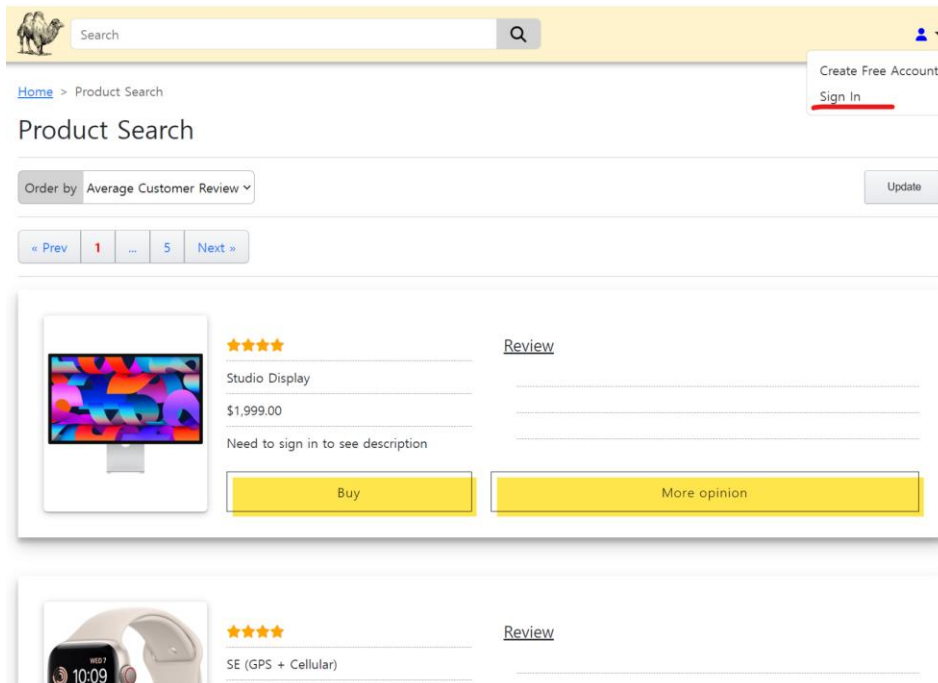
Search

Home > Product Search

Product Search

Order by: Average Customer Review Update

« Prev 1 ... 5 Next »



★★★★★

Studio Display


\$1,999.00

Need to sign in to see description

Buy

More opinion

[Review](#)



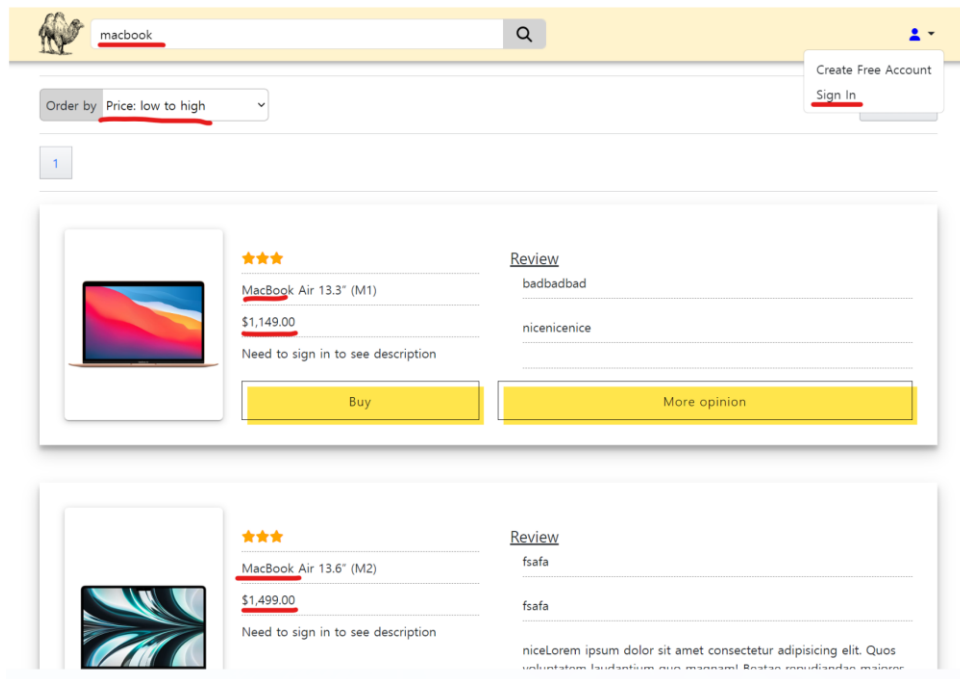
★★★★★

SE (GPS + Cellular)

More opinion

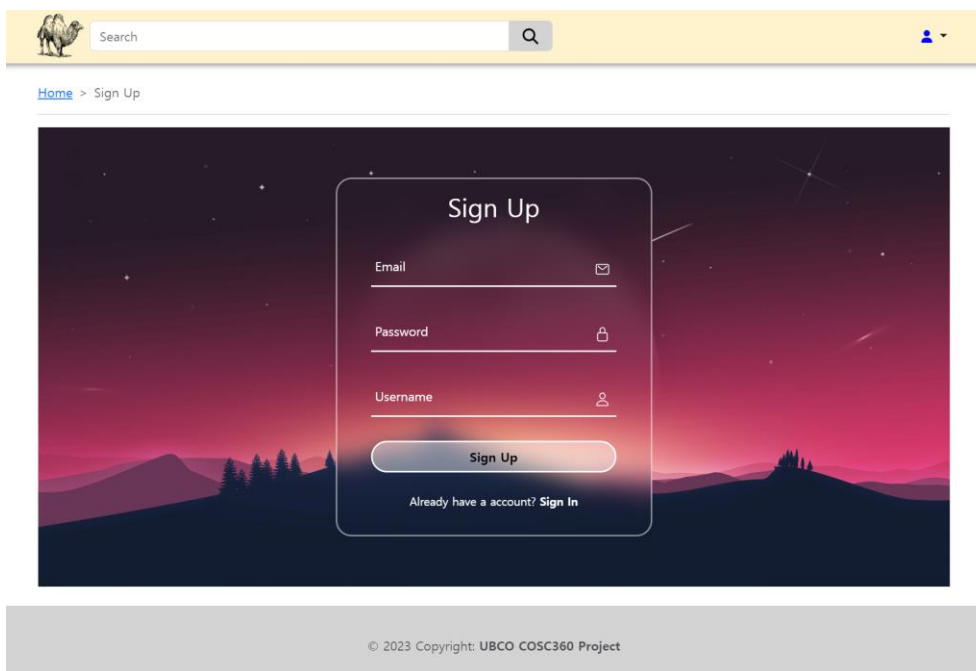
[Review](#)

Search for items/posts by keyword without registering.



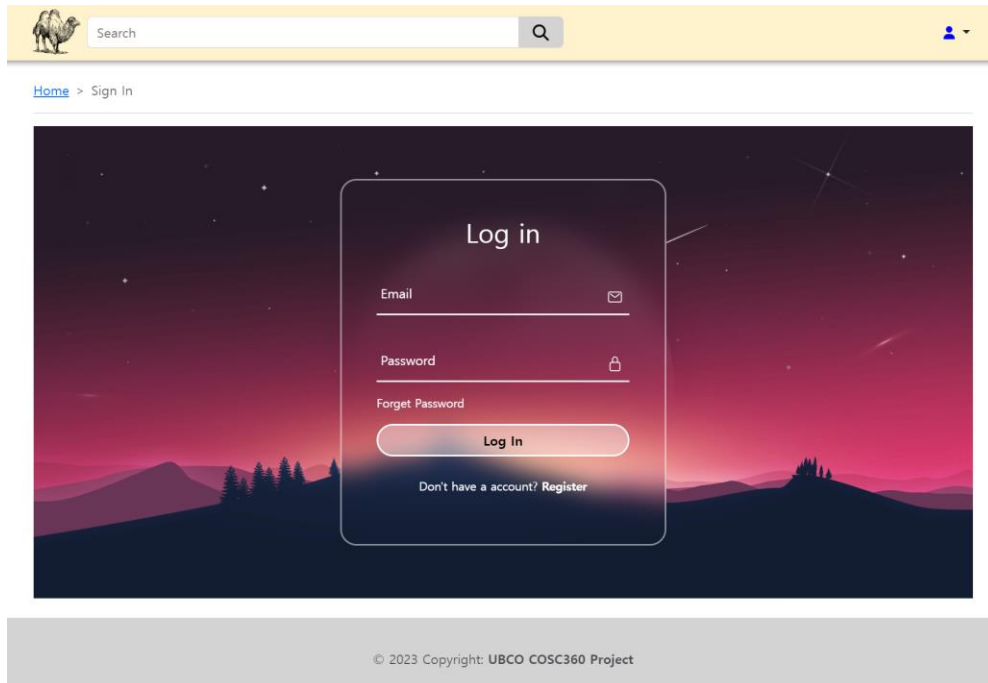
Register at the site by providing their name, e-mail.

/page/singup.php



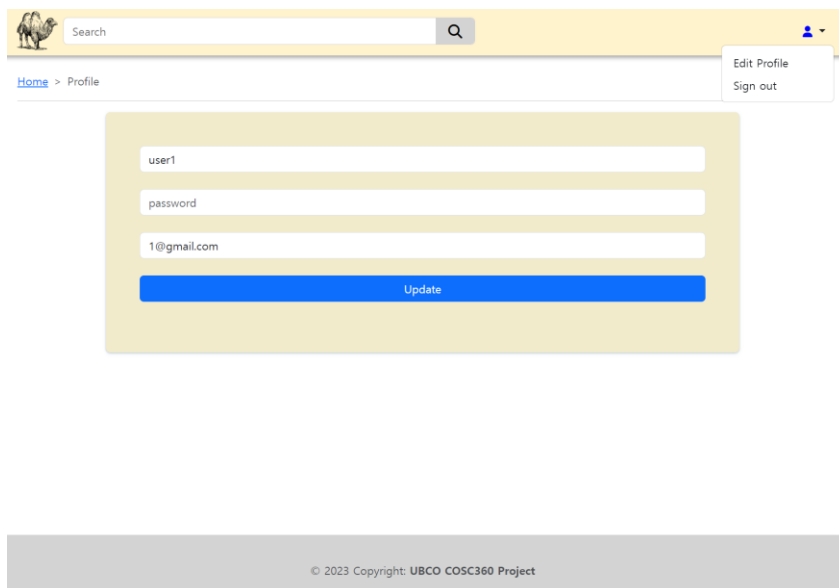
Allow user login by providing user id and password.

/page/login.php



Users are required to be able to view/edit their profile.

/page/profile.php



Website administrator's objectives:

Search for user by name, email.

Enable/disable users. (Status is changed by clicking it like toggle)

/page/users.php

The screenshot shows a web interface for managing users. At the top, there is a search bar with a magnifying glass icon and a user profile dropdown menu with options 'Managing Users' and 'Sign out'. Below the search bar, there is a breadcrumb trail 'Home > Users Info'. The main content area contains a table with columns: #, Username, Email, and Status. The table lists 9 users. A red line is drawn across the top of the table, and a red bracket is drawn on the right side, highlighting the 'Status' column.

#	Username	Email	Status
1	admin	gyumin@student.ubc.ca	Active
2	user0	gmmoon0824@gmail.com	Active
3	user1	1@gmail.com	Active
4	user2	2@gmail.com	Active
5	user3	3@gmail.com	Active
6	user4	4@gmail.com	disabled
7	user12	12@gmail.com	disabled
8	user14	14@gmail.com	Active
9	user1514	1515@gmail.com	disabled

Edit/remove posts items or complete posts.

(Administrator account can click any review and move to its review page)

#	Username	Rating	Review	Posted Date	Updated Date
1	user0	5	fsafa	2023-03-14 18:08:04	2023-03-18 15:15:14
2	user0	5	fsafa	2023-03-14 18:07:40	2023-03-18 15:15:14
3	user0	4	niceLorem ipsum dolor sit amet consectetur adipisicing elit. Quos voluptatem laudantium quo magnam! Beatae repudiandae maiores, debitis, expedita aliquam magni, aut doloremque error veritatis a impedit seqniceLorem ipsum dolor sit amet consectetur adipisicing elit. Quos voluptatem laudantium quo magnam! Beatae repudiandae maiores, debitis, expedita aliquam magni, aut doloremque error veritatis a impedit seqniceLorem ipsum dolor sit amet consectetur adipisicing elit. Quos voluptatem laudantium quo magnam! Beatae repudiandae maiores, debitis, expedita aliquam magni, aut doloremque error veritatis a impedit seq	2023-03-14 14:45:24	2023-03-18 15:15:14
4	user1	3	not bad	2023-03-14 14:45:24	2023-03-18 15:15:14
5	user2	2	not good	2023-03-14 14:45:24	2023-03-18 15:15:14
6	user3	1	bad	2023-03-14	2023-03-18

Once moved to certain review page, administrator can edit and delete posts like its own user.

#	Username	Product
1	admin	MacBook Air 13.6" (M2)

Rating

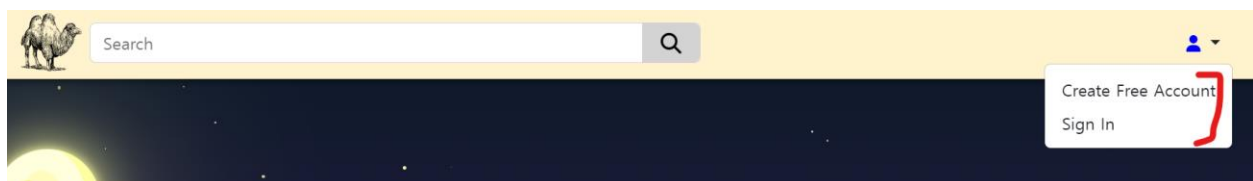
niceLorem ipsum dolor sit amet consectetur adipisicing elit. Quos voluptatem laudantium quo magnam! Beatae repudiandae maiores, debitis, expedita aliquam magni, aut doloremque error veritatis a impedit seqniceLorem ipsum dolor sit amet consectetur adipisicing elit. Quos voluptatem laudantium quo magnam! Beatae repudiandae maiores, debitis, expedita aliquam magni, aut doloremque error veritatis a impedit seqniceLorem ipsum dolor sit amet consectetur adipisicing elit. Quos voluptatem laudantium quo magnam! Beatae repudiandae maiores, debitis, expedita aliquam magni, aut doloremque error

EditDelete

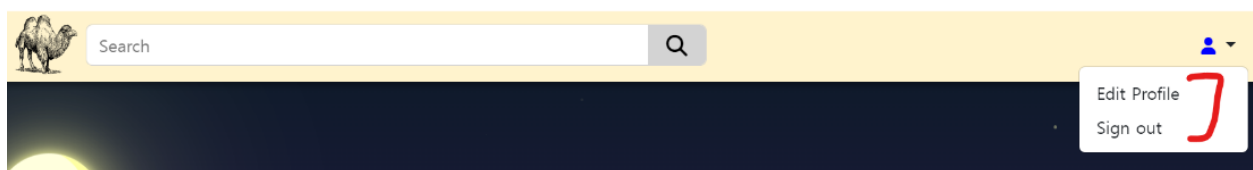
Minimum Functional Requirements:

Hand-styled layout with contextual menus (i.e. when user has logged on to site, menus reflect change). Layout frameworks are not permitted other than Bootstrap (see above).

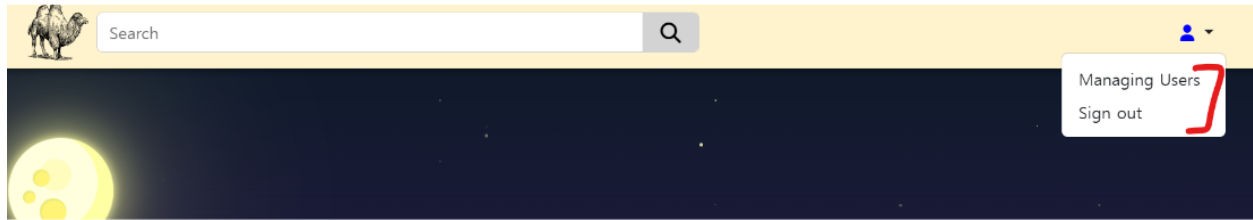
1. Unsigned user view



2. Signed user view

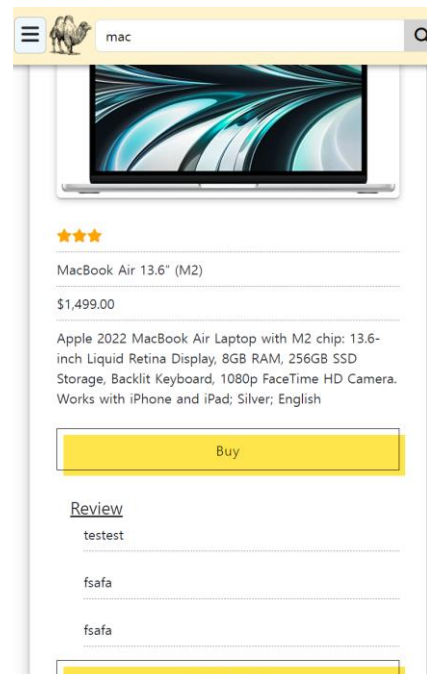
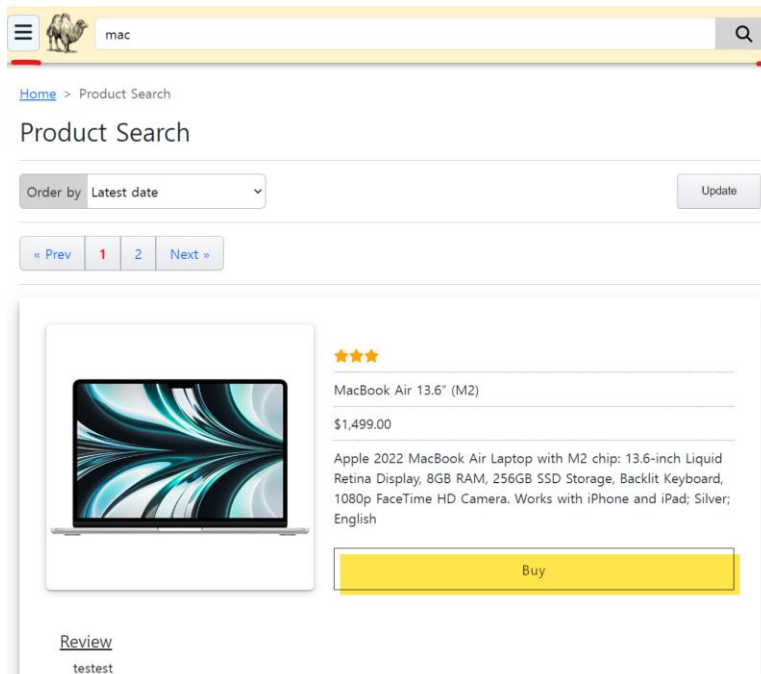
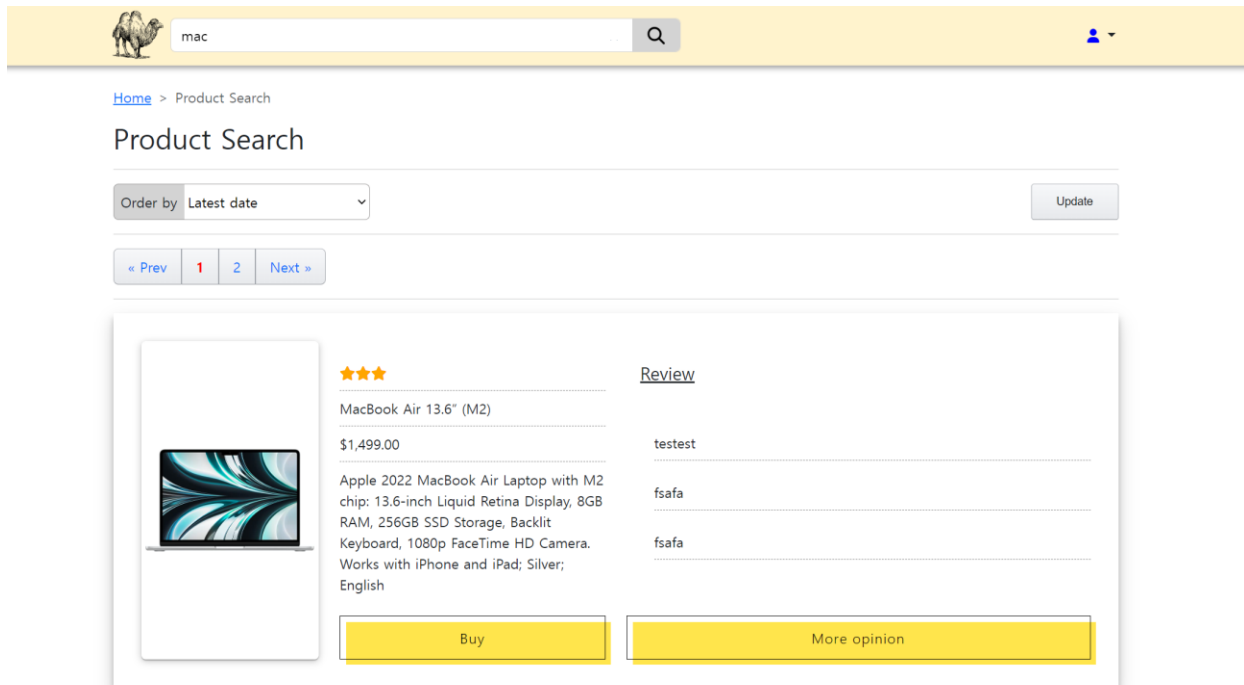


3. Administrator view



2 or 3 column layout using appropriate design principles (i.e. highlighting nav links when hovered over, etc) responsive design.

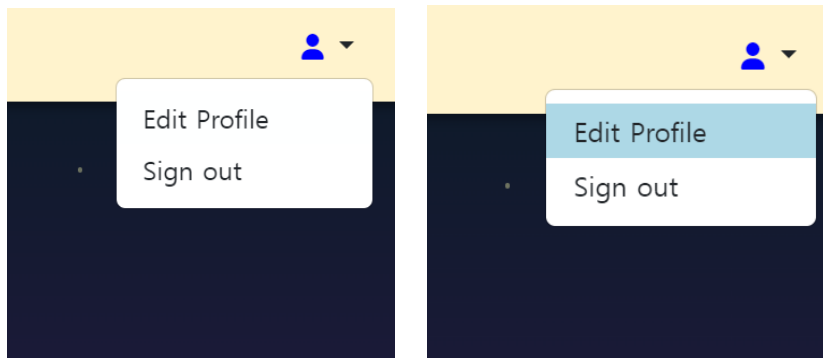
Responsive design



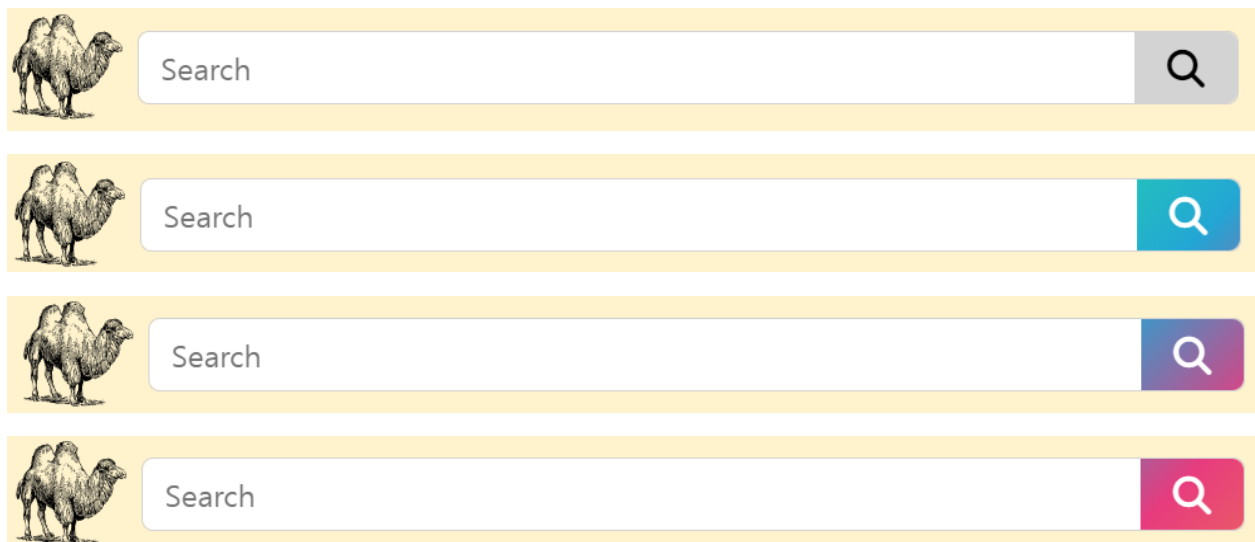
When hover “LET’S DIVE IN” button, it is filled with blue from the lower left corner to upper right corner.



When hover menu, that menu's background color is changed.



When hover magnifier icon, color keep changing from sky blue to pink and vice versa.

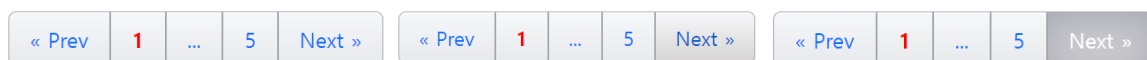


When input is focused, red outline is activated.



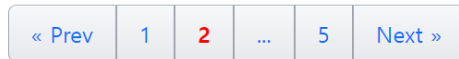
When hover pagination button, it gets to has shadow.

When it is focused, it changes background color and font color.



Total number of pages: 5

Current page: 2



Current page: 3



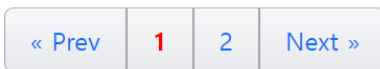
Total number of pages: 1

Current page:1



Total number of pages: 2

Current page: 1

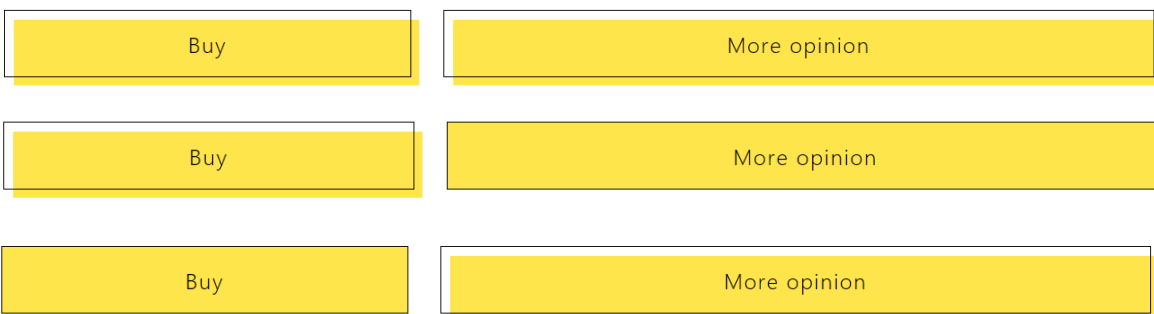


Total number of pages: 4


Current page: 3



When hover Buy or More opinion button, its background yellow shadow fits to its location



When hover image of product at product.php page, it slides up details.



MacBook Air 13.6"

MacBook Air 13.6" (M2)

★★★★

\$1,499.00

Apple 2022 MacBook Air Laptop with M2 chip: 13.6-inch Liquid Retina Display, 8GB RAM, 256GB SSD Storage, Backlit Keyboard, 1080p FaceTime HD Camera. Works with iPhone and iPad; Silver; English...

When hover user own review at product.php page, its color change to blue.

#	Username	Rating	Review	Posted Date	Updated Date
1	user0	5	fsafa	2023-03-14 18:08:04	2023-03-18 15:15:14
2	user0	5	fsafa	2023-03-14 18:07:40	2023-03-18 15:15:14
3	user0	4	niceLorem ipsum dolor sit amet consectetur adipisicing elit. Quos voluptatem laudantium quo magnam! Beatae repudiandae maiores, debitis, expedita aliquam magni, aut doloremque error veritatis a impedit seqniceLorem ipsum dolor sit amet consectetur adipisicing elit. Quos voluptatem laudantium quo magnam! Beatae repudiandae maiores, debitis, expedita aliquam magni, aut doloremque error veritatis a impedit seqniceLorem ipsum dolor sit amet consectetur adipisicing elit. Quos voluptatem laudantium quo magnam! Beatae repudiandae maiores, debitis, expedita aliquam magni, aut doloremque error veritatis a impedit seq	2023-03-14 14:45:24	2023-03-18 15:15:14
4	user1	3	not bad	2023-03-14 14:45:24	2023-03-18 15:15:14
5	user2	2	not good	2023-03-14 14:45:24	2023-03-18 15:15:14
6	user3	1	bad	2023-03-14 14:45:24	2023-03-18 15:15:14

If user is disabled and hover its own posts, its color change to red

#	Username	Rating	Review	Posted Date	Updated Date
1	user3	1	badbadbad	2023-03-14 14:45:24	2023-03-18 15:15:14
2	user4	5	nicenice	2023-03-14 14:45:24	2023-03-18 15:15:14

Submit review button changes its color when it is hovered.

Rating

Review

Submit

Rating

Review

Submit

If user is disabled, submit review button is changed to Not allowed with red color as well.

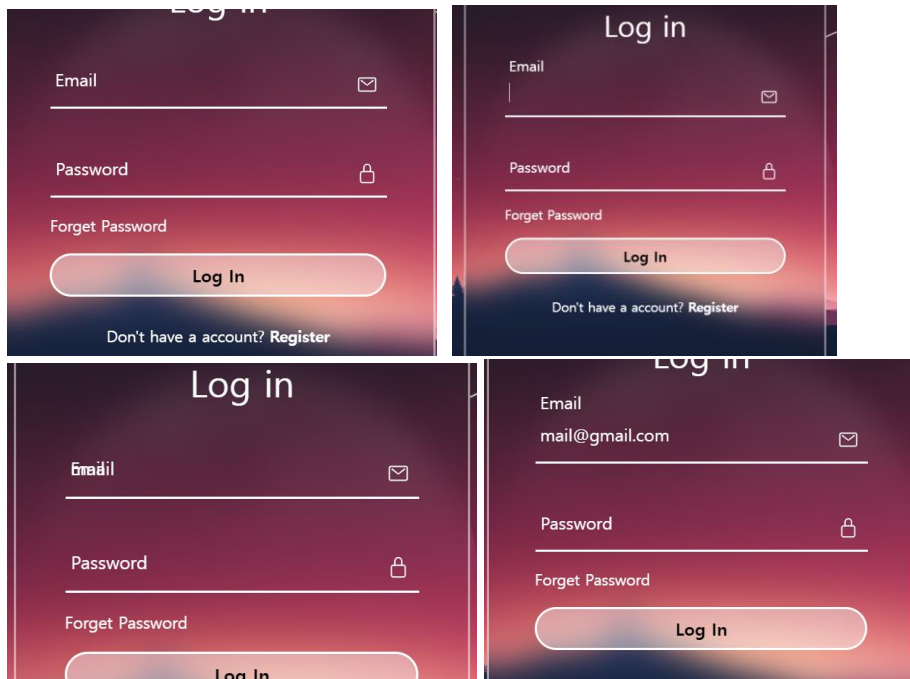
Rating

Review

Not allowed

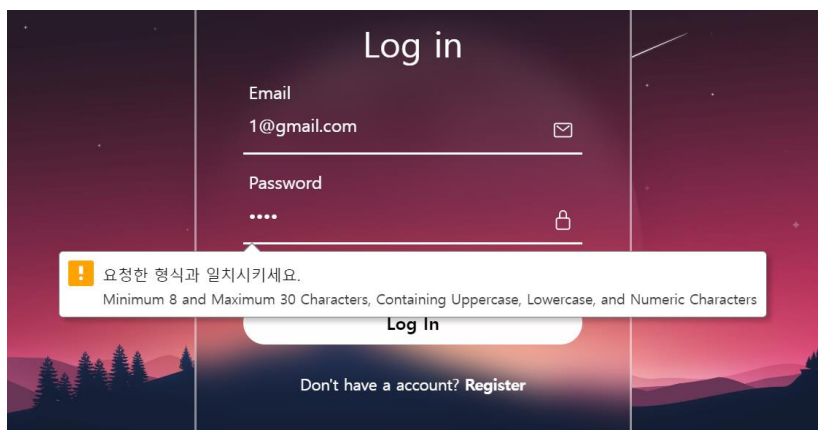
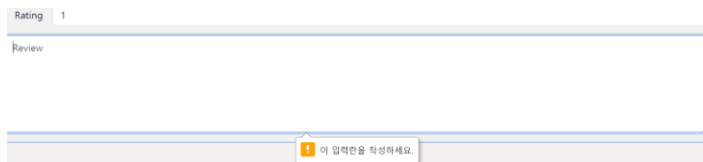
When it is focused or has correct formation of input, the label goes up.

On the contrary, When it is not focused with invalid input, the label goes down.



Form validation with JavaScript

When input is empty or invalid, it shows warning message.



Server-side scripting with PHP

Basically, this site is created using php. Use php to set up a session, search for and import data, or write a review.

Data storage in MySQL

All data is stored using MySQL. There is a table of users, options, and items.

Appropriate security for data

By using the prepare() and bind_param() functions in PHP, the code is able to prevent SQL injection attacks as shown below.

```
// Prepare and execute the SQL query
$stmt = $conn->prepare("SELECT * FROM items WHERE id = ?");
// $stmt = $conn->prepare("SELECT * FROM opinions");

$itemId = $_GET['id'];
$stmt->bind_param("i", $itemId);
$stmt->execute();

// Get the result
$result = $stmt->get_result();
```

Site must maintain state (user state being logged on, etc)

The codes of page files start with session start() as shown below so can always check and manage state maintenance.

```
<?php
// Start session
session_start();
```


Responsive design philosophy (minimum requirements for different non-mobile display sizes)

[Home](#) > Product Search

Product Search

Order by Latest date

1 2



★★★★

MacBook Air 13.6" (M2)

\$1,499.00

Apple 2022 MacBook Air Laptop with M2 chip: 13.6-inch Liquid Retina Display, 8GB RAM, 256GB SSD Storage, Backlit Keyboard, 1080p FaceTime HD Camera. Works with iPhone and iPad; Silver; English

[Review](#)

testtest

fsafa


fsafa

[Home](#) > Product Search

Product Search

Order by Latest date

1 2



★★★★


MacBook Air 13.6" (M2)

\$1,499.00

Apple 2022 MacBook Air Laptop with M2 chip: 13.6-inch Liquid Retina Display, 8GB RAM, 256GB SSD Storage, Backlit Keyboard, 1080p FaceTime HD Camera. Works with iPhone and iPad; Silver; English

[Review](#)

testtest



★★★★

MacBook Air 13.6" (M2)

\$1,499.00

Apple 2022 MacBook Air Laptop with M2 chip: 13.6-inch Liquid Retina Display, 8GB RAM, 256GB SSD Storage, Backlit Keyboard, 1080p FaceTime HD Camera. Works with iPhone and iPad; Silver; English

[Review](#)

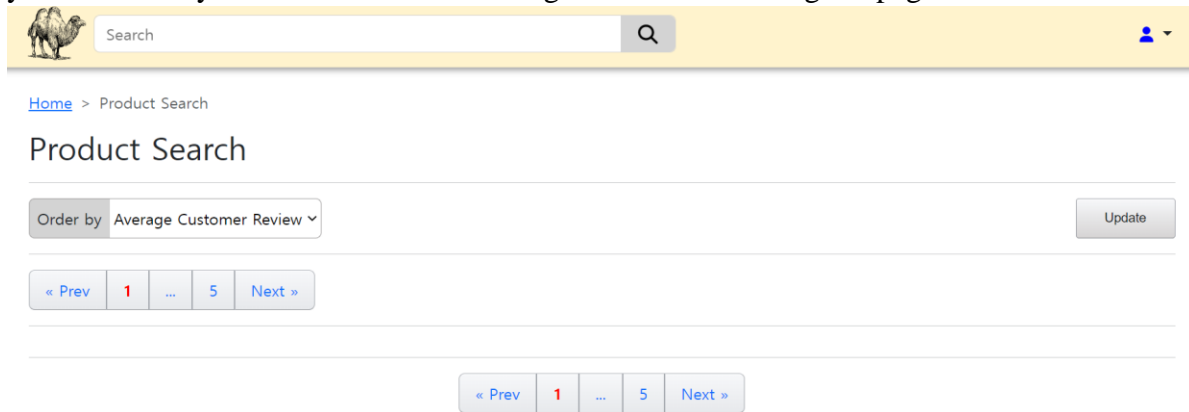
testtest

fsafa

fsafa

AJAX (or similar) utilization for asynchronous updates (meaning that if a discussion thread is updated, another user who is viewing the same thread will not have to refresh the page to see the update)

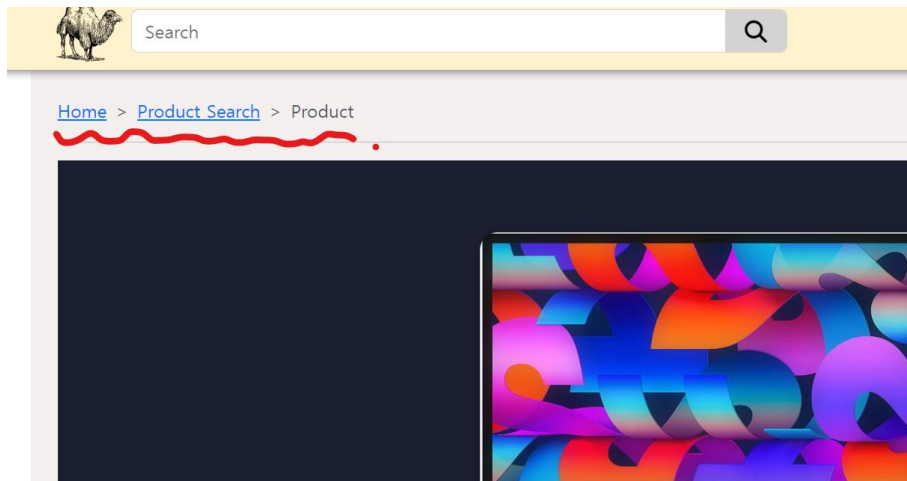
Item lists are imported asynchronously using AJAX. When the Internet speed is adjusted slowly, you can directly see that the item list changes without reloading the page.



User profile stored in database.

User information is stored in the database. A user has an id, email, username, password, status, account creation date.

Navigation breadcrumb strategy (i.e. user can determine where they are in threads)



Error handling (bad navigation)

If an unauthorized user tries to use url to move to a specific page, it is automatically moved to index.php using the header function in php.

```
// Start session
session_start();

// Check if user is already logged in
if (!isset($_SESSION['user_id']) || $_SESSION['status'] == 0) {
    // Redirect to authorized page
    header("Location: ./index.php");
    exit();
}
```

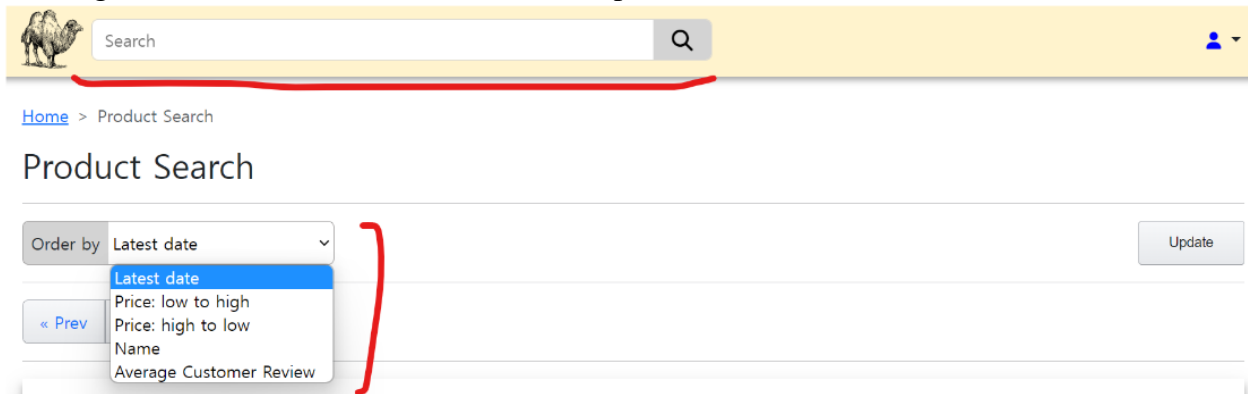
Additional Requirements:

Search and analysis for topics/items

Hot threads/hot item tracking

This site allows users to search and analyze topics/items using a search bar and select options.

“Average Customer Review” will show most reputable items first, which is hot items.



Activity by date

#	Username	Rating	Review	Posted Date	Updated Date
1	user0	1	testest	2023-03-19 17:00:17	2023-03-19 17:00:17
2	user0	5	fsafa	2023-03-14 18:08:04	2023-03-18 15:15:14
3	user0	5	fsafa	2023-03-14 18:07:40	2023-03-18 15:15:14
4	user0	4	niceLorem ipsum dolor sit amet consectetur adipisicing elit. Quos voluptatem laudantium quo magnam! Beatae repudiandae maiores, debitis, expedita aliquam magni, aut doloremque error veritatis a impedit seqniceLorem ipsum dolor sit amet consectetur adipisicing elit. Quos voluptatem laudantium quo magnam! Beatae repudiandae maiores, debitis, expedita aliquam magni, aut doloremque error veritatis a impedit seqniceLorem ipsum dolor sit amet consectetur adipisicing elit. Quos voluptatem laudantium quo magnam! Beatae repudiandae maiores, debitis, expedita aliquam magni, aut doloremque error veritatis a impedit seq	2023-03-14 14:45:24	2023-03-18 15:15:14

Collapsible items/treads without page reloading

User can see next data set from the next offset using pagination without reloading the page.

« Prev 1 2 ... 5 Next »



★★

Apple 2020 MacBook Air Laptop: Apple M1

\$1,699.00

Apple 2020 MacBook Pro with Apple M1 Chip (13-inch, 8GB RAM, 256GB SSD Storage) - Space Gray

Buy

Review

good

sadfa

fsdfs

More opinion

Order by Latest date

« Prev 1 ... 3 ... 5 Next »



★★

iMac (24" 7-core GPU)

\$1,949.00

Apple 2021 iMac (24-inch, Apple M1 chip with 8-core CPU and 8-core GPU, 8GB RAM, 256GB) - Blue - English



Buy

Review

More opinion

The administrator can fold and unfold certain form elements to modify the product's information. Input elements currently have data of the product as a default.

The same approach is utilized while adding products, wherein the default value is an empty string.



[Home](#) > [Product Search](#) > Product

Unfold

[Home](#) > [Product Search](#) > Product

Title

MacBook Air 13.6" (M2)

\$



1499.99

.00

Purchase Link URL

https://www.amazon.ca/dp/B0B4DY72M4/ref=fs_a_i_0

Fold



[Home](#) > [Product Search](#) > Product

Title

MacBook Air 13.6" (M2)

\$

1499.99

.00

Purchase Link URL

https://www.amazon.ca/dp/B0B4DY72M4/ref=fs_a_i_0

Image Link URL

https://m.media-amazon.com/images/W/IMAGERENDERING_521856-T1/images/I/71eXNIDUGjL_AC_SX679_.jpg

Description

STRIKINGLY THIN DESIGN — The redesigned MacBook Air is more portable than ever and weighs just 2.7 pounds. It's the incredibly capable laptop that lets you work, play or create just about anything — anywhere.

Details

Apple 2022 MacBook Air Laptop with M2 chip: 13.6-inch Liquid Retina Display, 8GB RAM, 256GB SSD Storage, Backlit Keyboard, 1080p FaceTime HD Camera. Works with iPhone and iPad; Silver; English

Edit Info

Delete Item

Fold

Styling flourishes

In order to create various styles, css grammar related to style changes such as keyframe and transition was used.

Responsive layout for mobile

