

Final Group Project - Storefront Final Presentation

Description:

This assignment is to add new functions and databases to our existing website to allow our website to store data and host the website.

PHP files required before starting are in data folder:

createUser.php
test.php

PHP files required to change host user or password setting:

createUser.php
test.php
checkoutform.php
getcodeform.php
loadAddress.php
loginform.php
resetpinform.php
signupform.php
verifycodeform.php
cart.php

Approach / What I Did:

After project 4, we divided the work load into two. We chose to use php as our primary way of creating databases and adding functions in this final project.

Jimwei would start working on all the pages related to login, which include login, forget password, and create account. He created the database for users and created functions that allow users to create accounts and add forgotten password functions. After he is done with the login related page, he starts working on the database part of product, cart, and checkout.

Hann would start working on redesigning the HTML and CSS part for product page, 3 product filter page, cart page, and checkout page. Also redesigning the layout of those pages to allow uniform design through the website. In the product page and filter page, Han uses the flexbox to create a better layout than what we have before.

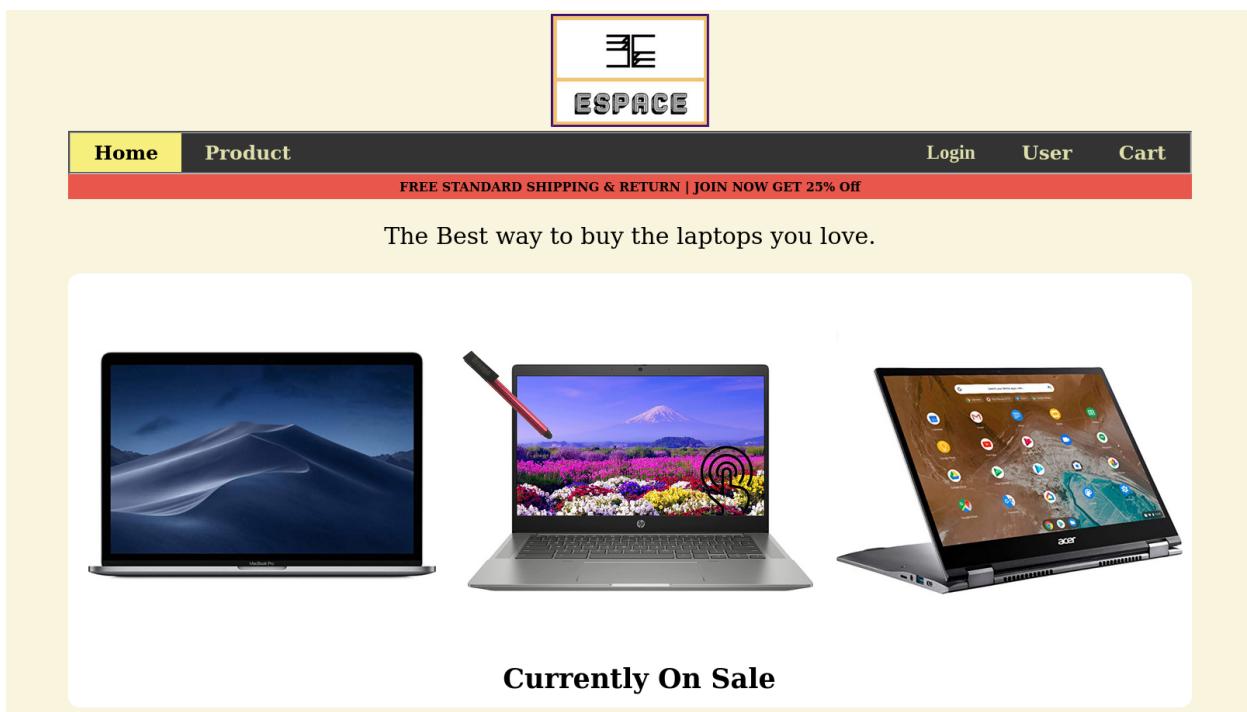
Issues and Resolutions:

Hann has a hard time working on the php part of the cart page and getting everything to work on that page. I asked Jinwei to also work on that page just in case I am unable to create it on time. At the end we have all those working.

Screen shots:

Hann Zhao
Jinwei Tang

Team name: Our Team
Github: hazhao33
CSC317 Web Development



The image displays three vertically stacked mobile website prototypes, each featuring a large, colorful background image and a prominent 'Shop >' button.

- Top Prototype:** Features a background image of abstract, flowing purple and blue waves. A small, semi-transparent Microsoft logo icon is centered in the middle. A yellow 'Shop >' button is located at the bottom left.
- Middle Prototype:** Features a background image of a colorful, textured surface transitioning from red/orange on the left to blue/green on the right, with a central Apple logo. A yellow 'Shop >' button is located at the bottom left.
- Bottom Prototype:** Features a background image divided into four quadrants: dark green (top-left), dark red (top-right), gold/yellow (bottom-right), and dark brown (bottom-left). A Google Chrome browser icon is positioned in the center. A yellow 'Shop >' button is located at the bottom left.

Page Footer:

- Logo:** Espace logo with the word 'ESPACE' below it.
- Navigation:** Links for 'About' and 'FAQ'.
- Social Media:** Icons for Instagram, Facebook, and Twitter.
- Copyright:** © 2022 ESpace, Inc.



FREE STANDARD SHIPPING & RETURN | JOIN NOW GET 25% OFF

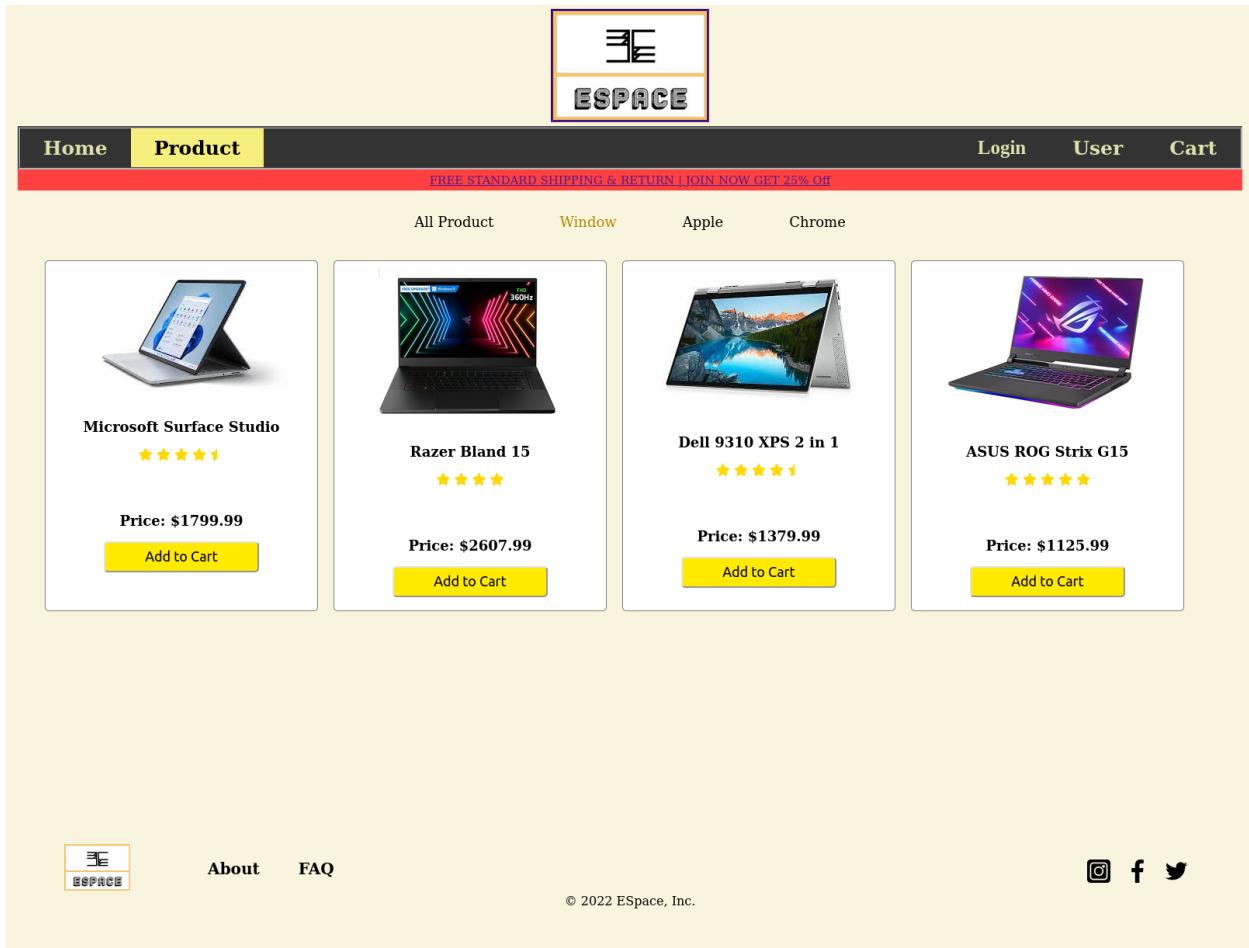
All Product Window Apple Chrome

 <p>Microsoft Surface Studio ★★★★★ Price: \$1799.99 Add to Cart</p>	 <p>Razer Blade 15 ★★★★★ Price: \$2607.99 Add to Cart</p>	 <p>Dell 9310 XPS 2 in 1 ★★★★★ Price: \$1379.99 Add to Cart</p>	 <p>ASUS ROG Strix G15 ★★★★★ Price: \$1125.99 Add to Cart</p>
 <p>HP Chromebook 14 ★★★ Price: \$799.99 Add to Cart</p>	 <p>HP Flagship 14 ★★★★★ Price: \$257.99 Add to Cart</p>	 <p>Lenovo Flex 5i 13 ★★★★★ Price: \$379.99 Add to Cart</p>	 <p>Acer Chromebook 13.5 ★★★★★ Price: \$625.99 Add to Cart</p>
 <p>Apple MacBook Pro 14 ★★★★★ Price: \$1949.99 Add to Cart</p>	 <p>Apple MacBook Pro 16 ★★★★★ Price: \$3499.99 Add to Cart</p>	 <p>Apple MacBook Pro 13 ★★★★★ Price: \$1299.99 Add to Cart</p>	 <p>Intel Apple Macbook Pro 15 ★★★★★ Price: \$1125.99 Add to Cart</p>

[About](#) [FAQ](#)

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The screenshot shows the homepage of the ESpace website. At the top, there is a navigation bar with a logo containing stylized letters 'E' and 'S' in a blue square, followed by the word 'ESPACE' in a blue box. The navigation bar includes links for 'Home', 'Product' (which is highlighted in yellow), 'Login', 'User', and 'Cart'. Below the navigation bar is a red banner with the text 'FREE STANDARD SHIPPING & RETURN | JOIN NOW GET 25% OFF'. The main content area features a grid of four laptop products:

- Apple MacBook Pro 14** (5 stars)
Price: \$1949.99
[Add to Cart](#)
- Apple MacBook Pro 16** (5 stars)
Price: \$3499.99
[Add to Cart](#)
- Apple MacBook Pro 13** (5 stars)
Price: \$1299.99
[Add to Cart](#)
- Intel Apple Macbook Pro 15** (5 stars)
Price: \$1125.99
[Add to Cart](#)

Below the grid, there is a footer section with links for 'About' and 'FAQ', the ESpace logo, and social media icons for Instagram, Facebook, and Twitter. A copyright notice at the bottom states '© 2022 ESpace, Inc.'

The screenshot displays the ESpace website's product page. At the top, there is a navigation bar with 'Home' (selected), 'Product' (highlighted in yellow), 'Login', 'User', and 'Cart'. Below the navigation is a red banner with the text 'FREE STANDARD SHIPPING & RETURN | JOIN NOW GET 25% OFF'. The main content area shows a grid of four laptop products:

- HP Chromebook 14**: Price: \$1799.99, Rating: ★★★★, Add to Cart button.
- HP Flagship 14**: Price: \$257.99, Rating: ★★★★, Add to Cart button.
- Lenovo Flex 5i 13**: Price: \$379.99, Rating: ★★★★, Add to Cart button.
- Acer Chromebook 13.5**: Price: \$625.99, Rating: ★★★★★, Add to Cart button.

At the bottom of the page, there is a footer with links for 'About' and 'FAQ', the ESpace logo, social media icons for Instagram, Facebook, and Twitter, and a copyright notice: '© 2022 ESpace, Inc.'

The screenshot shows a product page for a 2021 Apple MacBook Pro (14-inch, Apple M1 Pro chip with 8-core CPU and 14-core GPU, 16GB RAM, 512GB SSD) - Space Gray. The page includes a sidebar with categories like Home, Product, and a search bar. The main content features a large image of the laptop, its technical specifications, and a prominent 'Add To Cart' button. Below this, there's a section titled 'Supercharged for pros.' with a sub-section about the M1 Pro or M1 Max chip.

2021 Apple MacBook Pro (14-inch, Apple M1 Pro chip with 8-core CPU and 14-core GPU, 16GB RAM, 512GB SSD) - Space Gray

Space Gray | **View Options** | **M1 Pro**

Apple M1 Pro 14-core
Apple M1 Pro 14-core

Model Name: Apple MacBook Pro (14-inch, Apple M1 Pro chip with 8-core CPU and 14-core GPU, 16GB RAM, 512GB SSD) - Space Gray

Processor: Apple M1 Pro 14-core

RAM: 16GB

Storage: 512GB

GPU: Apple M1 Pro 14-core

Display: 14-inch Liquid Retina XDR

Keyboard: Magic Keyboard with Numeric Keypad

Touch Bar: Yes

Ports: Thunderbolt 4 (USB-C), USB-A, USB-C, Headphones, Microphone, SDXC, Ethernet, MagSafe

Dimensions: 14.1 x 9.2 x 0.6 inches

Weight: 3.2 kg

Color: Space Gray

Release Date: October 2021

Price: \$1999.00

Add To Cart

[View Details >>](#)

MacBook Pro

Supercharged for pros.

The blazing-fast M1 Pro or M1 Max chip for groundbreaking performance and amazing battery life. A stunning Liquid Retina XDR display and all the ports you need. This is the notebook you've been waiting for.

Capability

Powerful performance. Not power-hungry.

The incredible efficiency of the M1 Pro or M1 Max chip delivers game-changing performance and next-level battery life. So you can easily handle 8K video editing, compiling code, or rendering complex scenes in 3D, anywhere.

Up to **21 hours** of battery life

Apple Silicon

Pro to the Max.

Up to 4x faster graphics performance* and up to 5x faster machine learning† on the 16-inch.
Up to 18x faster graphics performance* and up to 11x faster machine learning†

Apple M1 Pro	Up to 10-core GPU	Apple M1 Max	Up to 16-core GPU
Up to 95,000 GFLOPs	16-core Neural Engine	Up to 190,000 GFLOPs	16-core Neural Engine

performance^{*} and up to 5x faster machine learning[†] on the 16-inch. Up to 18x faster graphics performance[‡] and up to 11x faster machine learning[†] on the 14-inch.

	M1	M1 Pro	M1 Max	
CPU	Up to 8-core ZEN	16-core Neural Engine	Up to 32-core ZEN	Up to 32-core Neural Engine
GPU	Up to 8-core GPU	Up to 20 streams 4K video encode/decode	Up to 64GB VRAM	Up to 7 streams 10K video encode/decode

Display
Feast your eyes on XDR.

A Liquid Retina XDR display delivers extreme dynamic range and incredible contrast ratio. Get unbelievable detail in shadows, deeper blacks, and more vibrant colors than ever before.

Up to 1000 nits
Up to 1600 nits
Peak brightness
Peak brightness

1 million:1
Contrast ratio

Camera, Mics, and Speakers
Sharper video calls. Crystal-clear audio.

Enhanced 1080p FaceTime HD camera. A powerful six-speaker sound system with spatial audio. And a studio-quality mic array. So you always look and sound your best.

1080p FaceTime HD camera
Double tap the icon for sharper video calls.[§]

Connectivity
More plugged in than ever.

More ports for pros, including SDXC, HDMI, Thunderbolt 4, and headphone jack. And power up with MagSafe 3.

External displays
Power up to three Pro Display XDRs and a 4K TV.

macOS and Pro Apps
Unleash the power of M1 Pro and M1 Max.

Unleash the power of M1 Pro and M1 Max.

Over 10,000 apps and plug-ins are already optimized for Apple silicon with macOS Monterey, including Final Cut Pro, Logic Pro, Cinema 4D, and Microsoft 365.



Technical Details

Display	16.2-inch Liquid Retina XDR display, 3072 x 1920 pixels, with the M1 Pro chip, the display refresh rate reaches up to 120Hz, 1000 nits peak brightness, and a 100% DCI-P3 color gamut.
Processor	M1 Pro (8-core CPU + 16-core GPU) or M1 Max (10-core CPU + 32-core GPU)
Storage Options	Up to 1TB SSD or up to 2TB NVMe SSD
Charging and Expansion	Power Delivery port, MagSafe 3 port, USB-C port, Thunderbolt 4 port, and a 3.5mm audio jack.
Keyboard	100% full-size keyboard with 16背光键, 100% full-size keyboard with 16背光键.
Touch ID	Yes, with Touch ID
Media	Two雷电端口支持双屏输出，支持杜比视界，支持杜比全景声。
OS	macOS Monterey
Release Date	October 2021

similar products



2021 MacBook Pro 14" spacegray 1TB 16-core CPU M1 Max GPU

price: \$1,999



2021 MacBook Pro 14" spacegray 1TB 16-core CPU M1 Max GPU

price: \$1,999



2021 MacBook Pro 14" spacegray 1TB 16-core CPU M1 Max GPU

price: \$1,999



2021 MacBook Pro 14" spacegray 1TB 16-core CPU M1 Max GPU

price: \$1,999

people buy it also buy



Apple Magic Mouse 2 (Wireless, Bluetooth®-Enabled)

price: \$79.95



Apple USB SuperDrive

price: \$79.95



Apple USB-C VGA Multiport Adapter

price: \$79.95



Apple 60W MagSafe 2 Power Adapter

price: \$79.95

Frequently asked questions

- Q: Does the 14-inch model have a Touch Bar?
- A: No, the 14-inch model does not have a Touch Bar. It features a standard trackpad and a numeric keypad for better productivity.
- Q: Can I upgrade the RAM or storage on the 14-inch model?
- A: Unfortunately, the 14-inch model does not support RAM or storage upgrades.
- Q: What is the battery life like for the 14-inch model?
- A: The 14-inch model has a battery life of up to 18 hours on a single charge.

Share & Contact

[Share](#) [Email](#) [Facebook](#) [Twitter](#)

[About](#) [FAQ](#)

The screenshot shows a laptop shopping website with a yellow header bar. The header includes a logo, navigation links for Home, Product, Login, User, and Cart, and a promotional message: "FREE STANDARD SHIPPING & RETURNS JOIN NOW GET 25% OFF". Below the header, a banner says "The Best way to buy the laptops you love." The main content area displays a Microsoft Surface laptop with its screen open. To the right of the laptop is a detailed product listing for the "2021 microsoft MacBook Pro (14-inch, microsoft M1 Pro chip with 8-core CPU and 14-core GPU, 16GB RAM, 512GB SSD) - Space Gray". The listing includes a 5-star rating, "4 reviews", and a "Compare" button. It shows configuration options for Memory (16GB, 32GB), Capacity (512GB, 1TB), and CPU (Intel Core i9 13, Intel Core i7 13). A sidebar on the right lists "Similar Products" and "Customer Reviews". Below the product listing, there's a price of \$1,799.99 and an "Add To Cart" button. A link "From the Manufacturer" is also present. The page features several sections with sub-headings and images: "Powerful, fast, and infinitely flexible" (with an image of a hand interacting with the laptop screen), "Every detail fuels inspiration" (with an image of the laptop), "Built for performance" (with an image of the laptop), "Design and deliver the way you want" (with an image of a person working at a desk), "The most powerful Surface Laptop" (with four smaller images showing the laptop from various angles and a person using it), "Immerse yourself in your work like never before" (with text about the display), "Design, animate, and render at top speed" (with text about the GPU), "New USB 4.0 ports with Thunderbolt 4 support" (with text about connectivity), and "Windows 11 brings you closer to what you love" (with text about the operating system).






Surface Slim Pen 2

Write, sketch, annotate, and recharge. Take handwritten notes and draw with the same feeling you get with pen on paper, with exceptional accuracy and a new storables design.

Microsoft Bluetooth Ergonomic Mouse

Light, modern design meets wireless performance and all-day comfort. Take control with precise, silent scrolling, soft thumb rest, and two programmable buttons.^[3]

Microsoft Designer Compact Keyboard

A premium keyboard optimized for modern productivity. Slim, elegant design features built-in expressive input key^[3] plus a Screen snapping key to quickly capture, copy, paste, and share.

Surface Dock 2

All the next-gen ports you need, including USB-C, Plug in monitors, accessories, and more, plus charge your device, with Surface Connect cable.^[3]

 **New laptops from Surface, now with Windows 11**

Inspiration meets originality on new Surface laptops, designed to light up the best of Windows 11 and adapt to you.



Technical Details

Standing screen display size	12.3 inches
Screen Resolution	2730x1824
Max Screen Resolution	2400 x 1600 pixels
Processor	2.6 GHz Intel® i5
RAM	8 GB LPDDR4x
Hard Drive	256 GB SSD
Graphics Coprocessor	Intel Iris Xe Graphics
Chipset Brand	Intel
Card Description	Integrated
Graphics Card Ram Size	8 GB
Wireless Type	Bluetooth 5.2
Average Battery Life (in hours)	13.5 hours
ASIN	B0B7M9GZT7
Date First Available	September 23, 2021

similar product



Surface Studio 14.4" Touch Screen 1TB SSD Memory 1TB SSD

\$2499.99



Surface Studio 14.4" Touch Screen 1TB SSD Memory 512GB SSD

\$1799.99



Surface Studio 14.4" Touch Screen 17" 32GB Memory 256GB SSD

\$1999.99



Surface Studio 14.4" Touch Screen 17" 32GB Memory 2TB SSD

\$2999.99

people buy it also buy



RENAISSER Stylus Pen for Surface

\$49.99



Microsoft Bluetooth Ergonomic Mouse

\$52.99



Microsoft Designer Compact Keyboard

\$99.99



Microsoft Surface Dock 2

\$249.99



[About](#) [FAQ](#)

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The screenshot shows the homepage of the Espace website. At the top, there is a navigation bar with 'Home' (highlighted in yellow), 'Product', 'Login', 'User', and 'Cart'. Below the navigation bar is a red banner with the text 'FREE STANDARD SHIPPING & RETURN | JOIN NOW GET 25% OFF'. The main headline is 'The Best way to buy the laptops you love.' Below the headline is a 'Log in' form with fields for 'Email Address' and 'Password', and a 'Forgot your password?' link. A large orange 'Sign in' button is at the bottom of the form. At the bottom of the page is a footer with the Espace logo, links to 'About' and 'FAQ', and social media icons for Instagram, Facebook, and Twitter. A copyright notice '© 2022 Espace, Inc.' is also present.

The screenshot shows the homepage of the Espace website. At the top, there is a navigation bar with 'Home' (highlighted in yellow), 'Product', 'Login', 'User', and 'Cart'. Below the navigation bar is a red banner with the text 'FREE STANDARD SHIPPING & RETURN | JOIN NOW GET 25% OFF'. The main content area features a large yellow background with the Espace logo at the top center. Below the logo, the text 'The Best way to buy the laptops you love.' is displayed. A horizontal line separates this from the sign-up form below. The sign-up form is titled 'Welcome to join Espace'. It contains six input fields: 'Firstname', 'lastname', 'Email', 'Confirm Email', 'Password', and 'Confirm Password'. Below these fields is a checkbox labeled 'I agree to Espace Privacy Notice and Terms of Use.' followed by a 'Sign up' button.

Home Product Login User Cart

FREE STANDARD SHIPPING & RETURN | JOIN NOW GET 25% OFF

The Best way to buy the laptops you love.

Welcome to join
Espace

Firstname
lastname
Email
Confirm Email
Password
Confirm Password

I agree to Espace Privacy Notice and
Terms of Use.

Sign up

Espace

About FAQ

Instagram Facebook Twitter

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Hann Zhao
Jinwei Tang

Team name: Our Team
Github: hazhao33
CSC317 Web Development

The screenshot shows a web page for ESpace. At the top, there is a navigation bar with links for Home, Product, Login, User, and Cart. A banner below the navigation bar states "FREE STANDARD SHIPPING & RETURN | JOIN NOW GET 25% OFF". The main content area features a heading "The Best way to buy the laptops you love." followed by a horizontal line. Below this line, there is a "Reset password" section. It includes a text input field labeled "Email Address", a placeholder text "Please enter your email above", and a yellow "Send code" button. At the bottom of the page, there is a footer with the ESpace logo, links for About and FAQ, and social media icons for Instagram, Facebook, and Twitter. A copyright notice at the bottom left reads "© 2022 ESpace, Inc."

The screenshot shows a web application interface for 'ESPACE'. At the top, there is a logo consisting of three stylized letters 'E' in a blue square, followed by the word 'ESPACE' in a blue sans-serif font. Below the logo is a navigation bar with links for 'Home', 'Product', 'Login', 'User' (which is highlighted in yellow), and 'Cart'. On the left side, there is a vertical sidebar with four menu items: 'Account', 'Address', 'Payment', and 'Permission'. The main content area is divided into three sections by horizontal lines:

- Account Information**: This section contains fields for First Name, Last Name, User ID, Email, Phone Number, New Password, and Birthday (format mm / dd / yyyy). A 'Save Change' button is located below these fields.
- Address Information**: This section contains fields for First Name, Last Name, Street, City, State, Zip Code, and Country. A 'Save Change' button is located below these fields.
- Payment Information**: This section contains fields for Full Name, Credit Card Number, CVV Code, Exp Date (set to 01/2022), State, Zip Code, and Country. A 'Save Change' button is located below these fields.

Permission Setting

Store and/or access information on a device
Yes No

Create a personalised ads profile
Yes No

Create a personalised content profile
Yes No

Develop and improve products
Yes No

Save Change

 [About](#) [FAQ](#) [!\[\]\(16aeb3237f754b7599789ef654002ff2_img.jpg\)](#) [!\[\]\(4bedab4577924086e5ae6352aa0c2ad0_img.jpg\)](#) [!\[\]\(5462a62144ec6ad15b20b37b7ca1cfd9_img.jpg\)](#)

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Hi, hann [User](#) **Cart(8)**

 Microsoft Surface Studio 2 Remove	\$1799.99
 Razer Blade 15 4 Remove	\$2607.99
 HP Flagship 14 1 Remove	\$257.99
 Intel Apple Macbook Pro 15 1 Remove	\$1125.99

Check Out

 [About](#) [FAQ](#) [!\[\]\(b218e4a07a0b271156cf418823203bb5_img.jpg\)](#) [!\[\]\(42866dff7ea83aa24a48fea5a0f7a819_img.jpg\)](#) [!\[\]\(51253a4993941d0c6fe5781374268341_img.jpg\)](#)

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The screenshot shows a shopping cart page from the ESpace website. At the top, there is a logo consisting of a stylized 'E' icon above the word 'ESPACE'. The navigation bar includes links for 'Home' and 'Product' on the left, and 'Hi, hann', 'User', and 'Cart(8)' on the right.

The main content area displays a table of products in the cart:

Product	Product Name	Quantity	Price
	Microsoft Surface Studio	2	\$ 1799.99
	Razer Blade 15	4	\$ 2607.99
	HP Flagship 14	1	\$ 257.99
	Intel Apple Macbook Pro 15	1	\$ 1125.99

A 'Go to cart' button is located below the table.

Below the table, there are three forms:

- Shipping Address**: Fields for Full name, Address, City, State (Alabama), Zip code, and Country.
- Payment Information**: Fields for Full Name, Card Number, MM / YY, CVV, and payment method icons (Mastercard, Visa, American Express).
- Order Summary**: A summary of the order details:
 - Subtotal : \$15415.92
 - Tax : \$1117.65
 - Shipping : \$0
 - Total : \$16533.57

A 'Place Order' button is located at the bottom of the summary section.

At the bottom of the page, there is a footer with links for 'About' and 'FAQ', the ESpace logo, social media icons for Instagram, Facebook, and Twitter, and a copyright notice: '© 2022 ESpace, Inc.'

The screenshot shows the homepage of the Espace website. At the top, there is a navigation bar with a yellow "Home" button, a black "Product" button, and links for "Login", "User", and "Cart". Below the navigation bar is a red banner with the text "FREE STANDARD SHIPPING & RETURN | JOIN NOW GET 25% OFF". The main content area features a large logo with the letters "E" and "S" stacked, followed by the word "ESPACE". Below the logo, the text "The Best way to buy the laptops you love." is displayed. A section titled "About Us" follows, containing another logo and a brief description: "Founded in 2022, Espace dedicated to provide a reliable platform to access to advanced, affordable qualified popular laptops." At the bottom of the page, there is a footer with social media icons for Instagram, Facebook, and Twitter, along with links for "About" and "FAQ".

The footer of the Espace website includes a copyright notice "© 2022 Espace, Inc.", a search bar with the placeholder "Type your question here", and a "Search" button. Below the search bar, there are several categories with their respective sub-links:

- Ordering**: show all
 - Order Status
 - Editing an order
 - Remove Order
- Shipping**: show all
 - U.S. shipping policy
 - How to track my package
 - Report a delivery issue
- Payment**: show all
 - Resolving a declined payment
 - Manage payment methods
 - Delete payment methods
- Account**: show all
 - Problems logging in
 - Changing password
 - Changing username
- Product**: show all
 - Product specifications
 - Product warranties
 - Damaged product
- Pricing**: show all
 - Different price than advertised
 - Price match guarantee
 - Currently unavailable items
- Returns**: show all
 - Returning items
 - Return shipping fees
 - Editing or canceling a return
- Contact**: show all
 - Call customer service
 - Chat with us
 - Where to find us
- Website**: show all
 - How to place order
 - Information security
 - License

The screenshot shows the Frequently Asked Questions (FAQ) page of the Espace website. It features a header with the text "How can we help?", a search bar, and a list of categories with their respective sub-links, identical to the ones listed in the footer of the previous screenshot.

The screenshot shows the About page of the Espace website. It features a header with the text "About Us", a logo, and a brief description: "Founded in 2022, Espace dedicated to provide a reliable platform to access to advanced, affordable qualified popular laptops." At the bottom of the page, there is a footer with social media icons for Instagram, Facebook, and Twitter, along with links for "About" and "FAQ".