

Memory is the ability to store and recall information.

-Users should have easy access to all info needed to complete a task without having to commit it to memory.

- Do not overload users' memories with complicated procedures for carrying out tasks.
- Design interfaces that promote recognition rather than recall by using menus, icons, and consistently placed objects.

Reference of the image (description of design implications):

https://books.google.com/books/about/Interaction_Design.html?id=n0h9CAAQBAJ

Issue:

Inconsistent layouts on product pages. The Ramset page flips this order, with the product image on the left and the details on the right. This is not how typical product pages are organised. The way the photos work is also inconsistent; some enlarge, some redirect, and the colour palette is inconsistent.

FAAC low voltage operators

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Driveway Gates

RamSet Residential or Commercial Swing Gate Openers - Ramset Slide Gate Openers Light Duty or Heavy Duty Gate Operators, Automatic or Electric Gate Openers

Ramset 30 Swing Gate Operators	Ramset 30-30 3/4HP Swing Gate Operators	Ramset 30-30 1HP Swing Gate Operators	Ramset 362 Low Profile Swing Gate Opener
Ramset 300 Swing Gate Operators	Ramset 50 Slide Gate Openers	Ramset 5100 Slide Gate Openers	
Ramset 3000 Swing Gate Operators	Ramset 100 Slide Gate Openers	Ramset 5200 Slide Gate Openers	
Ramset 3100 Swing Gate Operators	Ramset 1000 Slide Gate Openers	Ramset 5500 Slide Gate Openers	
Ramset 3200 Swing Gate Operators	Ramset 5000 Slide Gate Openers	Ramset 5700 Commercial / Industrial Gate Operator	

Ramset Gate Openers - Ram 30

GENERAL SPECIFICATIONS:
Max Gate Size 12' Max Gate Weight 400 lbs. Motor light duty, 1/2 Hp, 120VAC, 50/60 hz
Emergency Release Hand lever Release, Power Inverter Dimensions H:18 1/2" - L:13 1/2" - W:13 1/2"
Travel Speed Fully opens in 14 seconds

ELECTRONIC SPECIFICATIONS:
Control Board: A state-of-the-art, microprocessor controlled, surface mount pcb with features such as:
Electronic Reversing Device (ERD): Automatically adjusts to the size of the gate. Automatic Timer: can be set from 0 to 60 seconds Master/Slave: Three wires synchronize bi-parting gates, station, photo cell, safety edge and magnetic lockstation, photo cell, safety edge and magnetic lock

Ramset 30-30 Gate Operators - Available in 3/4 Hp and 1 HP

GENERAL SPECIFICATIONS:
Max Gate Size 20' Max Gate Weight 3000 lbs. Motor Continuous duty, 3/4 Hp, 120VAC, 50/60 hz
Emergency Release Foot pedal Dimensions H:27 1/2" - L:23 1/2" - W:17 1/2" Travel Speed 90 degrees in 16 seconds
Surge Protection: gas discharge filter and MOV increases protection against surges and lightning strikes Electronic Reversing Device (ERD):
Innovative system that monitors current fluctuation; self-adjusting and reverses when obstruction is sensed Electronic Inputs: phone entry systems, three push button stations, radio receivers, fire boxes, digital key pads, loop detectors, photo cells, etc.
Automatic Timer: gate closes automatically after desired amount of time (0, 5, 10, 15, 30, 45 or 60 seconds)

For Main Control Board Click Here:
Click Image To Enlarge

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Driveway Gates

FAAC Low Voltage Operators

FAAC DSW2000	FAAC DSL2000	FAAC S418	FAAC S450	FAAC 390
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FAAC DSW2000 is a 24VDC electromechanical pad mount swing gate operator for residential and commercial swing leaf gates. For gate leaves up to 800 lbs (18 feet).
FAAC DSW2000 Swing Gate Operator
Gearbox 900:1 Fail Safe
Arm type Industry standard
Arm attachment height 17" from base
Mounting method Pad or baseplate
Travel speed 90 degrees in 15 sec
Gate capacity 800 lbs, 18 feet
Shipping weight 150 lbs
Dimensions 18" H, 18.5" W, 23.5" D

FAAC DSL2000 Slide Gate Operator
Gearbox 15:1 Fail Safe
Chain Size #41, 25ft
Chain height - front mount 11" from base
Chain mount options Front, rear, center
Travel speed 12 inches/sec
Gate capacity 1000 lbs, 40 feet
Shipping weight 125 lbs
Dimensions 22" H, 18" W, 15" D

FAAC S418 - 24 V Electro-Mechanical Swing Gate Operator
24VDC Electro-Mechanical swing gate operator with single-leaf max. length of 12 FT and max. single-leaf weight of 500lbs with integrated mechanical stops. Available with large enclosure 14X16, power supply and battery, master slave, single kits

FAAC S450 H Hydraulic Swing Gate Operator
24VDC Hydraulic Operator for residential/condominium and commercial swing-leaf gates with single-leaf max. length of 14ft and single-leaf weight of 1,100lbs with opening/closing stops included. Condominium/residential and light commercial application, suitable for leaves up to 14 ft. (4.3 meters)

FAAC 390 24V Openers & 425 D Control Panel
The Model 390 electromechanical swing gate opener is specifically designed for residential applications. The 390 is designed to primary accommodate large pillar

Elite Openers
Liftmaster Openers
Eagle Operators
DoorKing Openers
Power Master Operators
Viking Openers
Ramset Openers
OSCO Openers
SEA Operators
Allstar Operators
FAAC Operators
Apollo Openers
HySecurity
Barrier Arm

Ramset Gate Openers

Why it is an issue :

The user experience is hampered by an inconsistent interface, which raises cognitive burden and requires users to relearn navigational habits.

Redesign :

Standardizing all page layouts. Displaying the products on one side(left) and product description on the other side(right).



Why redesign is better ?

Consistent images of the product and their respective description is clearly visible and user can easily differentiate the difference with its electronic specifications and normal specs. Hence reducing the user's cognitive load.

Fitt's Law: Fitts' Law states that the time required to move to and select an object on a screen depends on the distance to the object and its size. ("Week 6: HCC629-Information Processing," Slide 46.)

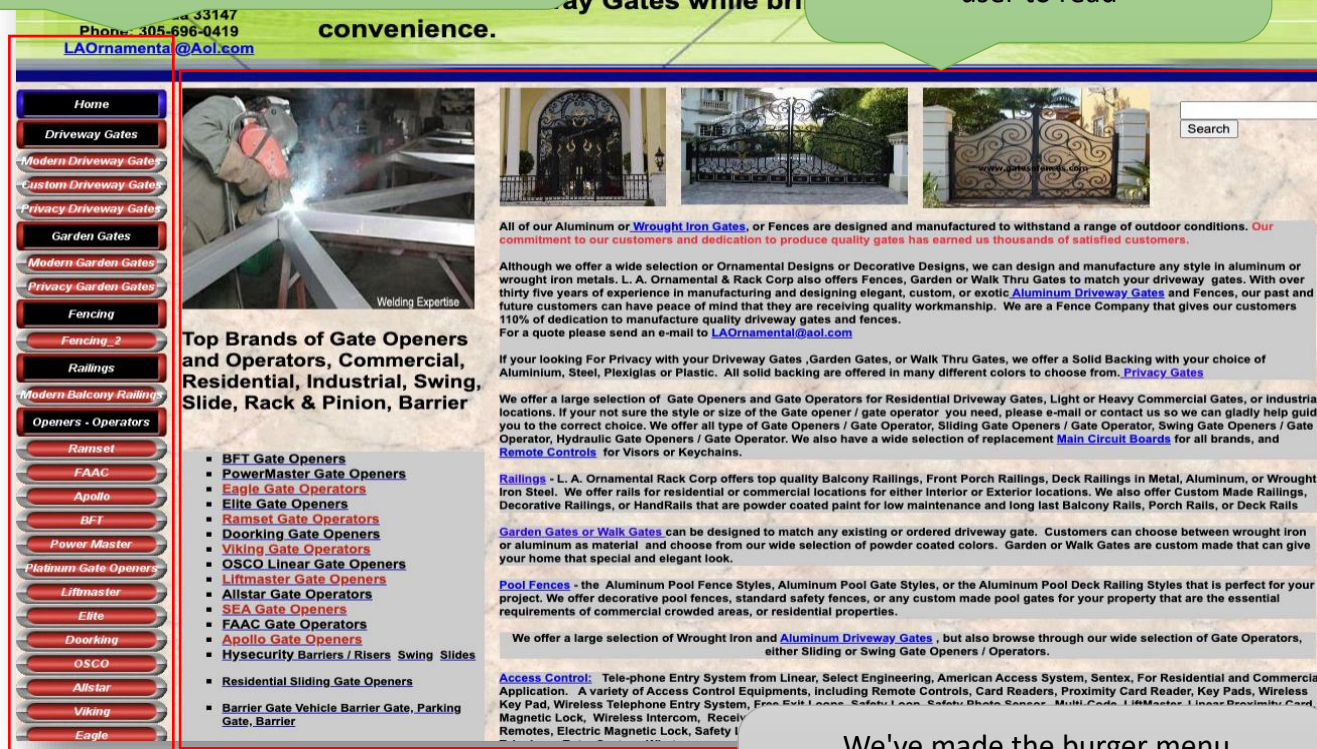
Issue: The current issue involves a cluttered interface with buttons that are too close together, particularly on the left side of the user interface. This clutter makes the buttons appear small and leads to frequent misclicks, forcing users to spend extra time attempting to click the correct button. Also the search area is not visible at first glance which is one of the important features of a website. Additionally, there is very little spacing between words, making the button labels, which are alongside the icons, difficult to read and select. Also, The website is overloaded with information and lacks visual appeal, making it challenging for users to process the content.

Why is it an issue:

- Navigation becomes harder, Users struggle to click the right buttons, leading to frustration.
- It wastes time. Complying with Fitts' Law, an uncluttered interface speeds up task completion. A messy layout slows users down.
- It's less accessible, and Users with difficulties have a harder time using the site, limiting its reach.
- A cluttered and information heavy website can turn users away as it looks unappealing.
- User satisfaction drops, and Poor design can lead to users not coming back or recommending the site.

The buttons below are too close together, making them hard to read and click on.

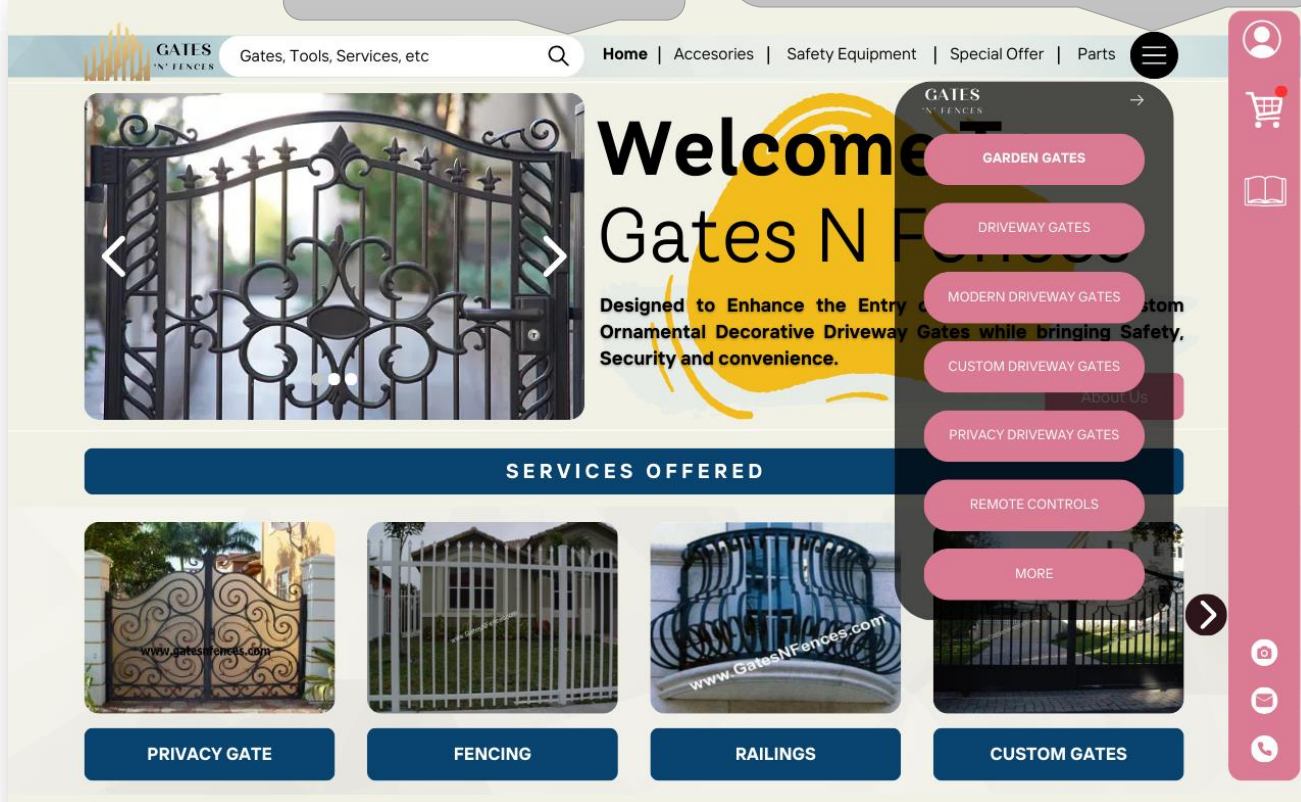
Cluttered Information
Very a less appealing website,
too much information for the
user to read



Redesign:

Better position of the
search bar

We've made the burger menu
customizable, arranging all the
information neatly and leaving space
around the text so it's easy for users to

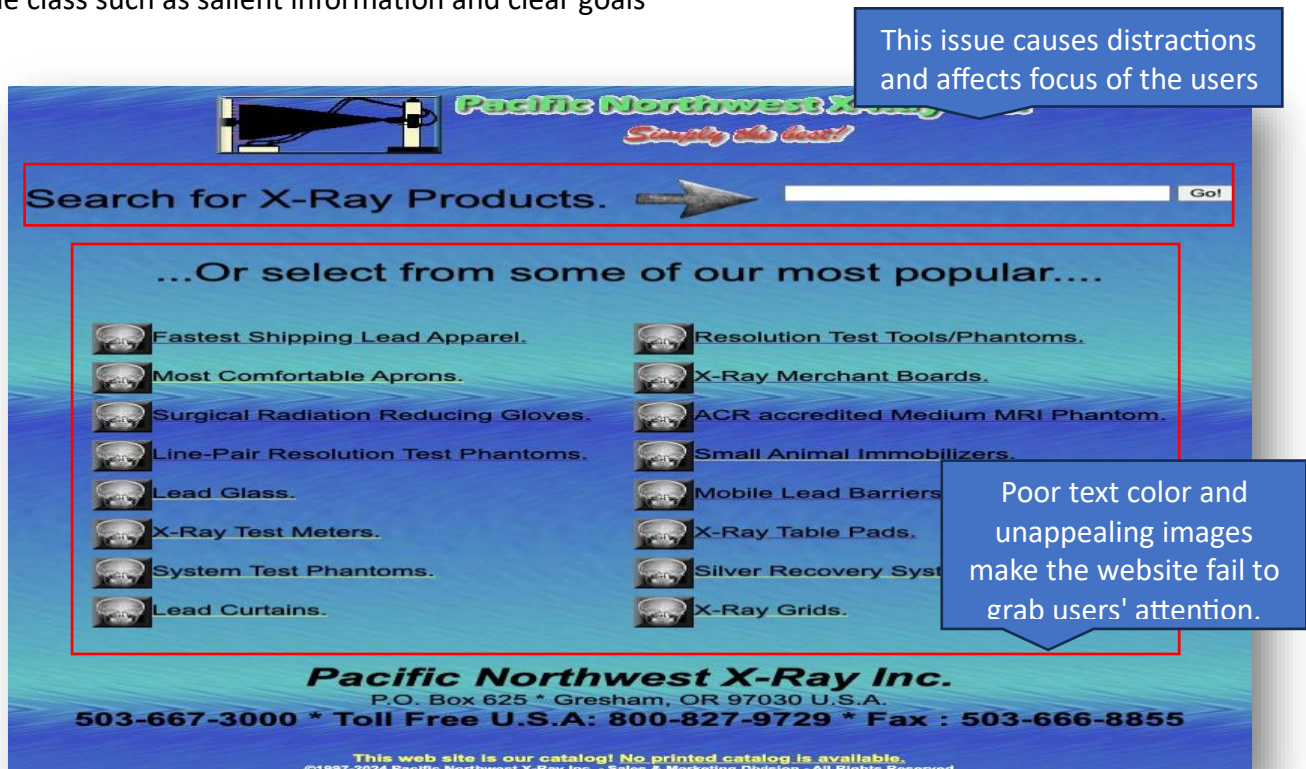


Why is redesign better: Make all the page designs the same [Traditional Layout]. We're showing the products in a way that makes it easy for users to find what they need to know about them and quickly find all the important features. The addition of the hamburger menu eases the user experience and makes the website look more elegant and professional. Improved search button, which catches users' attention.

Attention: How information is shown can significantly impact how simple or hard it is for someone to focus on the right details. Attention means how well a user can concentrate on a specific item or task. (From Week 6 Lecture, Slide 7)

Issue: The website looks messy and doesn't grab your attention because the words are hard to read and the pictures aren't interesting.

Why it's an issue: This makes it hard for people to use the site. They might get annoyed and leave because they can't find what they need quickly or enjoy looking at the site. It's important to make everything clear and look nice so people want to stay and use the website. Also it doesn't align with the concepts taught in the class such as salient information and clear goals



Why is the Redesign Better: My design makes it easy for people to find what they're looking for because everything is clean and clear.

Clear Goals: I've set up the website so the main things we're selling are the first things you see. This helps you know what to do next, like finding the product you want quickly.

Salient Information: I used big, nice pictures for the stuff we really want to sell and put them where you can't miss them. This way, you notice the important things right away and don't get lost in other less important stuff.

So, with my design, you can spot and buy what you need fast, which is not only good for you but also great for our business because it might help us sell more and earn more money.

Features:

Streamlined Navigation: The redesigned menu is straightforward, making it easier for users to jump to different sections without confusion.

Enhanced Visuals: The website has pretty pictures and colours that make you want to look at it more.

Improved Readability: The writing is big, and there's enough room between the words, so you can read everything without squinting.

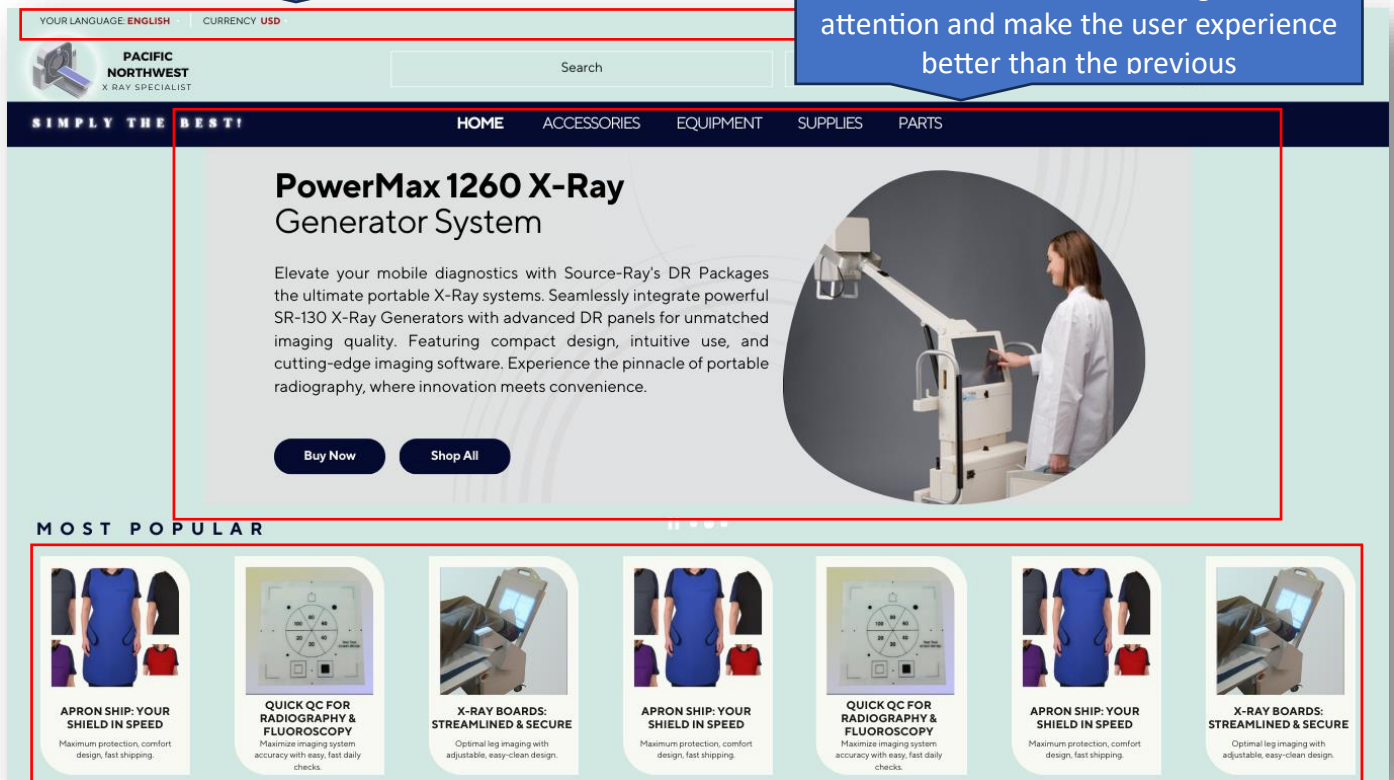
User-Focused Layout: The prioritization of popular products and important information front and centre ensures that users find what they need quickly.

*The text may look smaller in the pdf but its actually visible on the website**

Redesign:

Good additional Features to grab users attention and make the user experience better than the previous

Good additional Features to grab users attention and make the user experience better than the previous



References:

- Kleinsmith, A. (2024, March 4). HCC629-wk6-S24-AttentionMemoryFitts slides(pg.7-39)

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