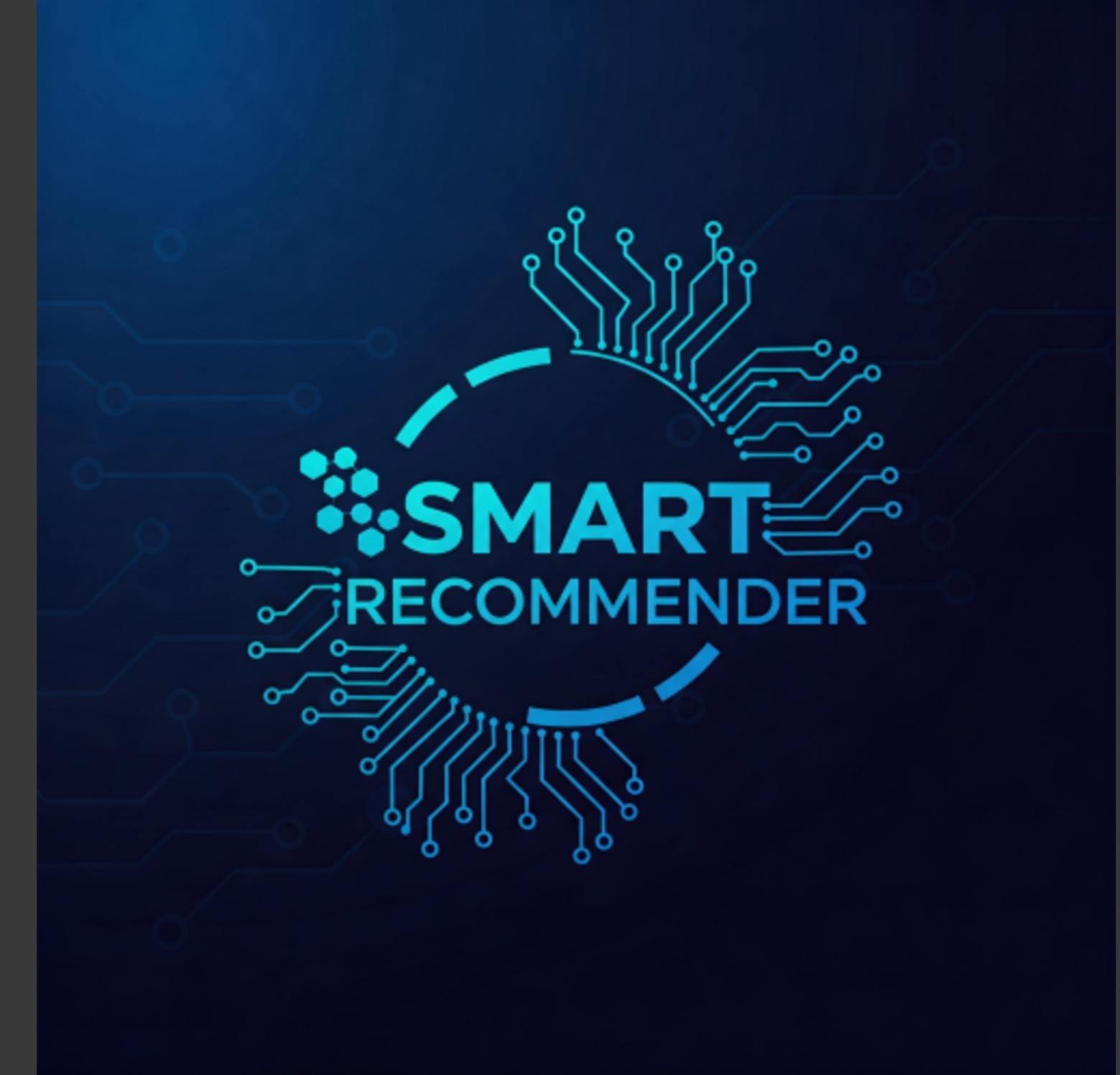
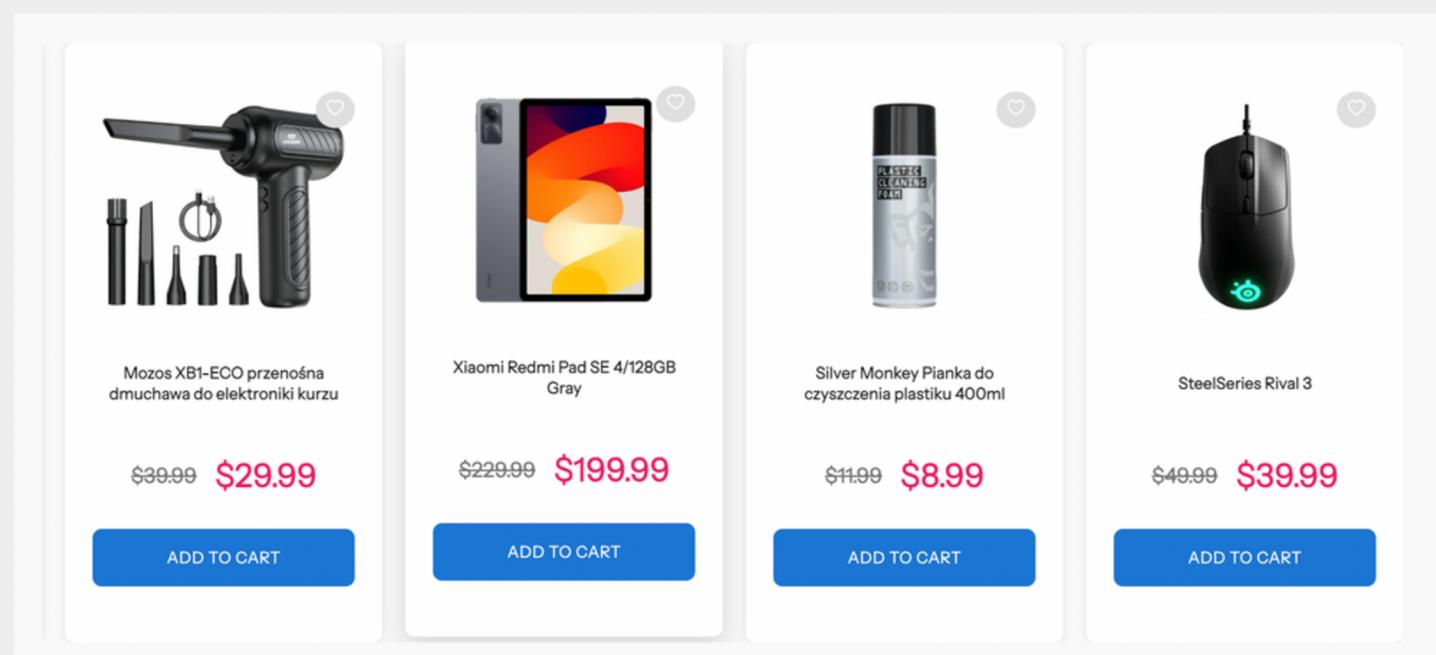
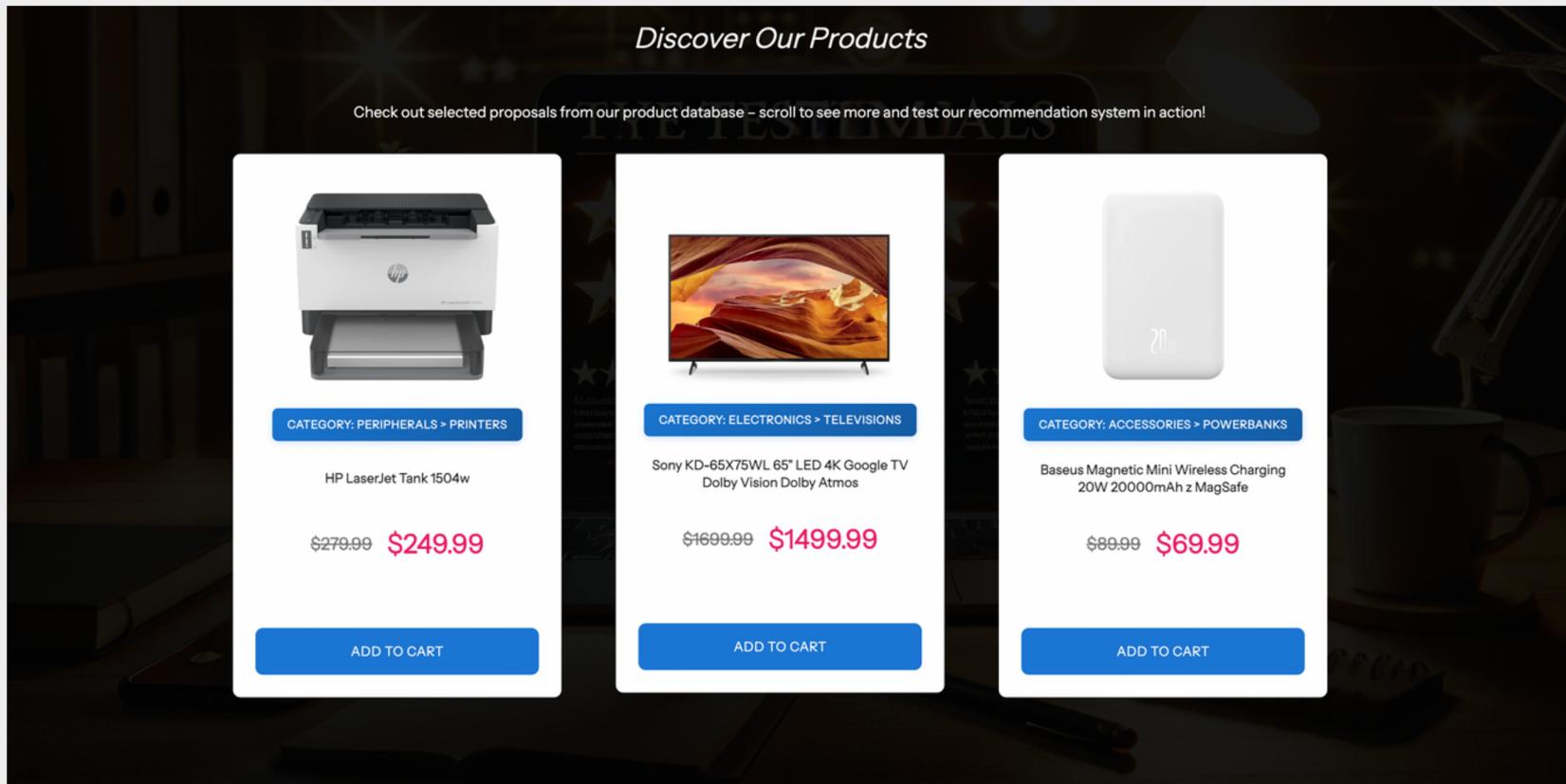


# **PREZENTACJA SYSTEMU REKOMENTACJI PRODUKTÓW FILTRACJI WSPÓŁPRACY, ANALIZY SENTYMENTU ORAZ REGUŁ ASOCJACYJNYCH**



# Sekcje rekomendacji



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## INTELLIGENCE IN THE SERVICE OF RECOMMENDATION

Our recommendation system combines advanced machine learning algorithms with user preference analysis, guiding you to the ideal computer hardware. Experience precise recommendations tailored to your unique needs.

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\$149.99 **\$119.99**

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CATEGORY: ELECTRONICS > TABLETS

Apple iPad 10,2" 9gen 64GB Wi-Fi Srebrny

\$379.99 **\$329.99**

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# FILTROWANIE REKOMENTACJI

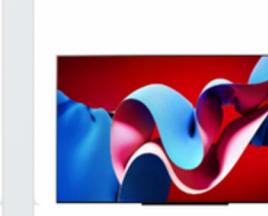
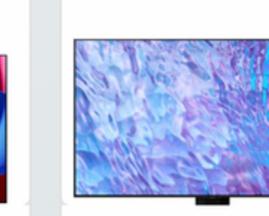
Recommendation System

Select Algorithm:

Collaborative Filtering (CF) - Library Implementation    Content-Based Filtering (CBF) - Custom Manual Implementation    Fuzzy Logic (FL) - Custom Manual Implementation

**Apply Algorithm**

Collaborative Filtering Preview (Library)

 JBL Charge Essential 2 \$129.99	 LG OLED55C45LA 5... \$2499.99	 Samsung QE98Q80... \$6499.99	 FiiO D03K Taishan \$39.99	 Intel Core i5-13400F \$150.00	 Kingston FURY 32GB... \$90.00	 Merch Darth Vader A... \$39.99
 Razer Basilisk V3 X H... \$89.99	 TP-Link Archer T3U ... \$24.99	 Logic Aramis Midi A... \$50.00				

# ANALIZA SENTYMENTU

Search Products



Fuzzy Search



card



ASUS PCE-AXE59BT (5400Mb/s a/b/g/n/ac/ax) BT 5.2

\$64.99

Sentiment Score: 0.28 Positive

2 opinions 2 | 0 | 0



Gigabyte GeForce RTX 4060 Eagle OC 8GB GDDR6

\$350.00

Sentiment Score: 0.23 Positive

4 opinions 4 | 0 | 0



Creative Sound Blaster X AE-5 Plus (PCI-E)

\$149.99

Sentiment Score: 0.23 Positive

2 opinions 2 | 0 | 0

Product	Name	Quantity	Total Price	Remove
	A4Tech HD PK-910P USB Black	<button>-</button> 2 <button>+</button>	\$59.98	
	ACEFAST Powerbank MagSafe M10 10000 mAh 2x USB-C PD 30W +kabel USB-C	<button>-</button> 1 <button>+</button>	\$59.99	
	Silver Monkey Kabel USB-A na USB-C 1m 45W	<button>-</button> 1 <button>+</button>	\$12.99	
	Trust TW-200 FULL HD	<button>-</button> 1 <button>+</button>	\$39.99	

Frequently Bought Together

LG OLED55C45LA 55" OLED  
4K 120Hz WebOS Dolby...

\$2499.99

Confidence: 100%  
Lift: 161.00x  
Support: 0.6%

[ADD TO CART](#)

UGREEN Revodok CM498 3x USB-A 3.0 HDMI VGA RJ45...

\$49.99

Confidence: 100%  
Lift: 161.00x  
Support: 0.6%

[ADD TO CART](#)

Sencor Pocket Calculator

\$7.99

Confidence: 50%  
Lift: 80.50x  
Support: 0.6%

[ADD TO CART](#)

Mozos XBLOWER dmuchawa  
do elektroniki do kurzu

\$29.99

Confidence: 50%  
Lift: 80.50x  
Support: 0.6%

[ADD TO CART](#)

# REGUŁY ASOCJACYJNE

# Aktualizacja reguł

Association Rules Management Custom Apriori

Show All Rules Update Rules

Association rules help identify products frequently bought together. These rules power the "Frequently Bought Together" recommendations in the shopping cart. Using custom manual Apriori algorithm implementation with real formulas from scientific literature (Agrawal & Srikant 1994).

Product 1	Product 2	Support	Confidence	Lift
GoPro HERO13 Black	Hama Premium Surge Protector - 4 Sockets, 3m	0.6%	100.0%	161.00
Hama Premium Surge Protector - 4 Sockets, 3m	Cooler Master MM720 Gaming Mouse Pad	0.6%	100.0%	161.00
Cooler Master MM720 Gaming Mouse Pad	Hama Premium Surge Protector - 4 Sockets, 3m	0.6%	100.0%	161.00
GoPro HERO13 Black	Cooler Master MM720 Gaming Mouse Pad	0.6%	100.0%	161.00
Cooler Master MM720 Gaming Mouse Pad	GoPro HERO13 Black	0.6%	100.0%	161.00
Fellowes LX41	Set Z6   Intel I5-14600KF, RX 7900 GRE 16GB, 16GB DDR5, 500GB SSD, 700W, ARX 500 ARGB	0.6%	100.0%	161.00
Set Z6   Intel I5-14600KF, RX 7900 GRE 16GB, 16GB DDR5, 500GB SSD, 700W, ARX 500 ARGB	Fellowes LX41	0.6%	100.0%	161.00
Fellowes LX41	Garmin Venu 3s grafitowy	0.6%	100.0%	161.00
Garmin Venu 3s grafitowy	Fellowes LX41	0.6%	100.0%	161.00
Set Z6   Intel I5-14600KF, RX 7900 GRE 16GB, 16GB DDR5, 500GB SSD, 700W, ARX 500 ARGB	Garmin Venu 3s grafitowy	0.6%	100.0%	161.00

# Debug metod rekomendacyjnych

## Debug Tools

Welcome, Admin Number2

SmartRecommender

- Dashboard
- Products
- Users
- Orders
- Complaints
- Statistics
- Probabilistic
- Debug**
- Account

← Back to page

[Logout]

### Debug Tools - ML Methods Inspector

Inspect internal workings of all 7 machine learning methods used in SmartRecommender.

Collaborative Filtering    Sentiment Analysis    Association Rules    Content-Based    Fuzzy Logic    Probabilistic

#### Collaborative Filtering Debug Information

Algorithm	
Name:	Collaborative Filtering (Item-Based, Sarwar et al. 2001)
Formula:	Adjusted Cosine Similarity with Mean-Centering
Status:	success

#### Database Statistics

Total Users:	20
Total Products:	500
Total Order Items:	590
Users with Purchases:	20
Total Purchases:	567

#### User-Product Matrix

Shape:	(20, 500)
Total Cells:	10000