Digital Newspaper Website
Use-Case Specification: Filter Articles

Version 1.0

Revision History

Date	Version	Description	Author
18/07/2025	1.0	Specific about Filter Articles use case	Thạch Ngọc Hân

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Use-Case Specification: Filter Articles

1. Use-Case Name: Filter Articles

1.1 Brief Description

This use case allows a user to filter the list of available articles based on selected criteria such as category, tag, author, publication date, or keyword. It enhances user experience by narrowing down content to match interests or search queries.

2. Flow of Events

2.1 Basic Flow

1. The use case begins when the User navigates to the article listing or search page.
2. The User selects one or more filter criteria.
3. The User clicks the "Apply Filters" button.
4. The System validates the selected filter criteria.
5. The System queries the article database based on the filter parameters.
6. The System returns a list of articles that match the filters.
7. The System displays the filtered list to the User
8. The use case ends.

2.2 Alternative Flows

2.2.1 Filter with No Results

At step 6 in the Basic Flow, if no articles match the criteria:
   a. The system displays a message: "No articles found matching your filters."
   b. The user is given the option to reset filters or modify them.
   c. The flow returns to step 2 of the Basic Flow.

2.2.2 Invalid Filter Input

At step 4 in the Basic Flow, if filter input is invalid (e.g., incorrect date format):
   a. The system highlights the invalid fields and displays an error message.
   b. The user corrects the input.
   c. The flow resumes from step 3 of the Basic Flow.

3. Special Requirements

3.1 Performance

1. The system should return filtered results within 2 seconds.
2. Filtering must work on both desktop and mobile views responsively.

4.   Preconditions

4.1   The article listing page with filtering options must be fully loaded and interactive.
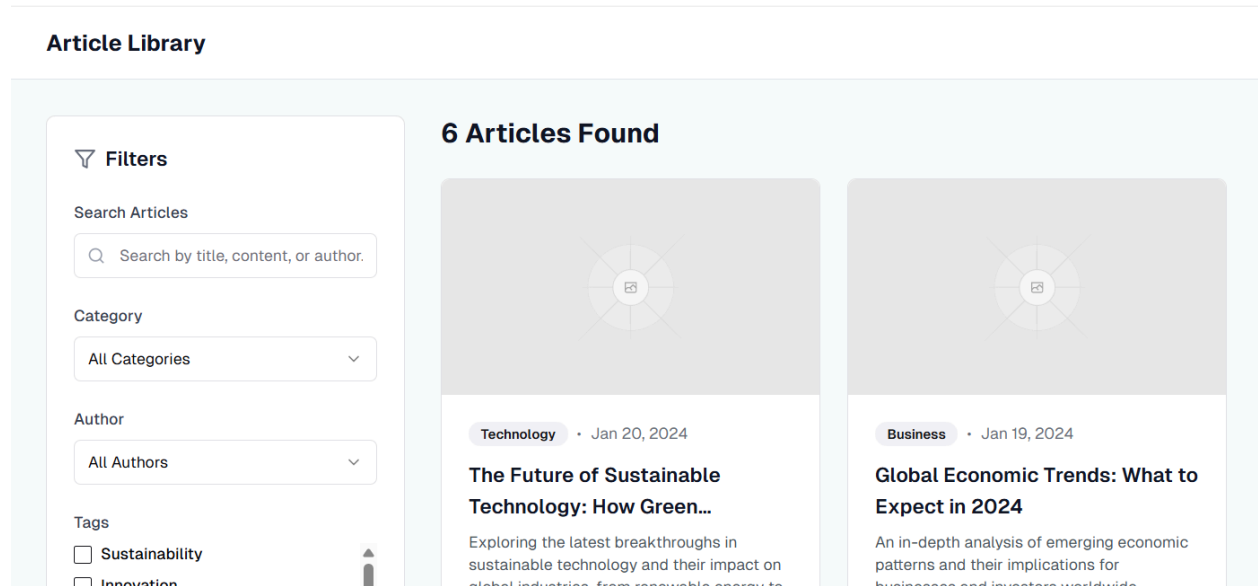
5.   Postconditions

5.1   The screen shows only those articles that meet the selected criteria, or a "no results" message if none match.

6.   Extension Points

6.1   Save Filter Preferences

- Location: after step 7 of the Basic Flow
- Description: allows the user to save the current filter settings for reuse in future sessions.

Original interface

Article Library

Filters

Search Articles

🔍 Search by title, content, or author.

Category

All Categories ⌄

Author

All Authors ⌄

Tags

☐ Sustainability
☐ Innovation

6 Articles Found

Technology · Jan 20, 2024

The Future of Sustainable Technology: How Green…

Exploring the latest breakthroughs in sustainable technology and their impact on global industries, from renewable energy to

Business · Jan 19, 2024

Global Economic Trends: What to Expect in 2024

An in-depth analysis of emerging economic patterns and their implications for businesses and investors worldwide.

Filters available

Article Library

| ✓ All Categories |
| Technology |
| Business |
| Environment |
| Workplace |
| Health |

content, or author.

All Categories ⌄

Author

All Authors ⌄

Tags

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The Future of Sustainable Technology: How Green…

Exploring the latest breakthroughs in sustainable technology and their impact on global industries, from renewable energy to…

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An in-depth analysis of emerging economic patterns and their implications for businesses and investors worldwide.

Article Library

▽ **Filters**

| ✓ All Authors |
| Sarah Johnson |
| Michael Chen |
| Dr. Emily Rodriguez |
| James Wilson |
| Dr. Lisa Park |
| Alex Thompson |

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Business · Jan 19, 2024

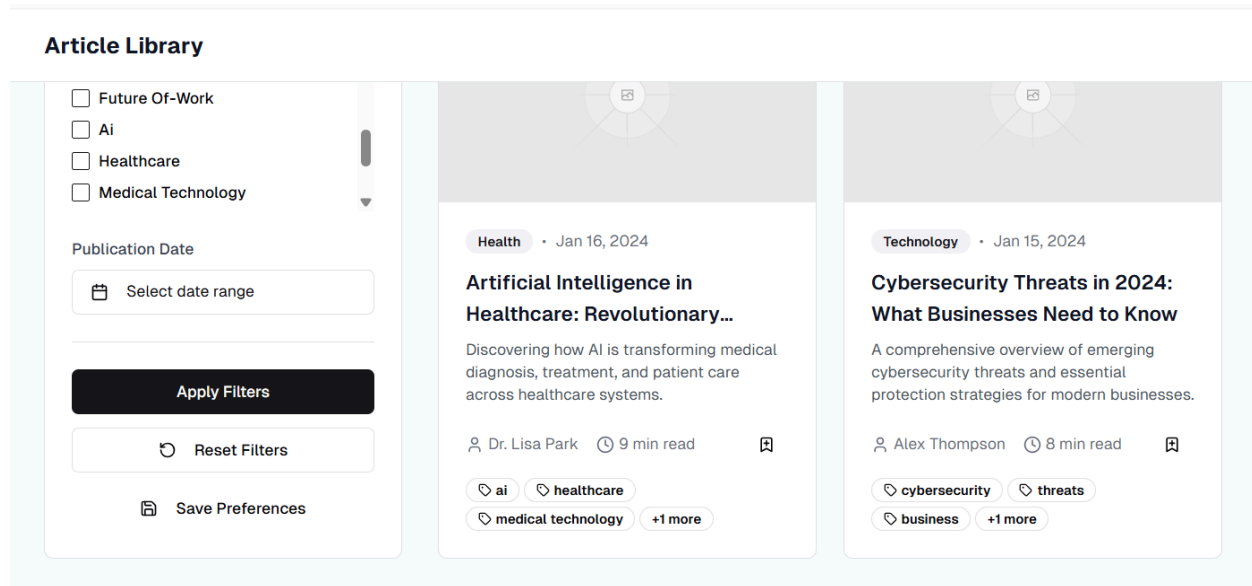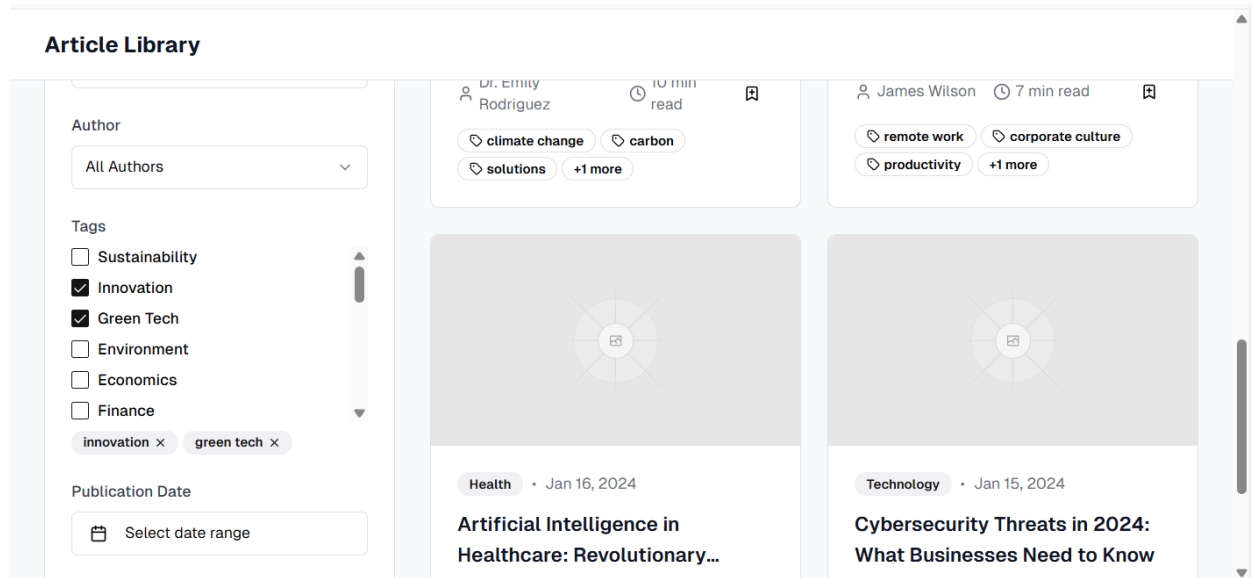**Global Economic Trends: What to Expect in 2024**

An in-depth analysis of emerging economic patterns and their implications for businesses and investors worldwide

Article Library

Author

All Authors

Tags

☐ Sustainability
☑ Innovation
☑ Green Tech
☐ Environment
☐ Economics
☐ Finance

innovation ✕   green tech ✕

Publication Date

📅 Select date range

Dr. Emily Rodriguez   🕐 10 min read   🔖

🏷 climate change   🏷 carbon
🏷 solutions   +1 more

James Wilson   🕐 7 min read   🔖

🏷 remote work   🏷 corporate culture
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☐ Healthcare
☐ Medical Technology

Publication Date

📅 Select date range

Apply Filters

↻ Reset Filters

🖫 Save Preferences

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Discovering how AI is transforming medical diagnosis, treatment, and patient care across healthcare systems.

Dr. Lisa Park   🕐 9 min read   🔖

🏷 ai   🏷 healthcare
🏷 medical technology   +1 more

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A comprehensive overview of emerging cybersecurity threats and essential protection strategies for modern businesses.

Alex Thompson   🕐 8 min read   🔖

🏷 cybersecurity   🏷 threats
🏷 business   +1 more

Interface after applying filter does not exist

Article Library

Filters

Search Articles

🔍 Gumayusi

Category

All Categories ⌄

Author

All Authors ⌄

Tags

☐ Sustainability

☐ Innovation

0 Articles Found

Showing results for your current filters

🔍

No articles found matching your filters

Try adjusting your search criteria or removing some filters to see more results.

↺ Clear All Filters

After saving the filter it will suggest again.

Article Library

Filters

Search Articles

🔍 Search by title, content, or author.

Category

Gumayusi

All Categories ⌄

Author

All Authors ⌄

Tags

☐ Healthcare

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🏷 climate change   🏷 carbon

🏷 solutions   +1 more

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The Rise of Remote Work: Transforming Corporate Culture

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🏷 productivity   +1 more