

NEWS-SPHERE

Description:

NewsSphere is a comprehensive news aggregation and analysis platform that offers real-time updates, personalised recommendations, and advanced analytics within a robust and intuitive web application.

As the platform evolves, Continuous improvements and new features are being actively developed ,making NewsSphere a cutting-edge solution for staying informed and engaged with the news that matters most.

Our platform offers real-time updates, intelligent recommendations and in-depth analytics through interactive visualisations. We prioritise user privacy and security with robust measures, and our scalable architecture ensures a seamless experience for growing user bases.

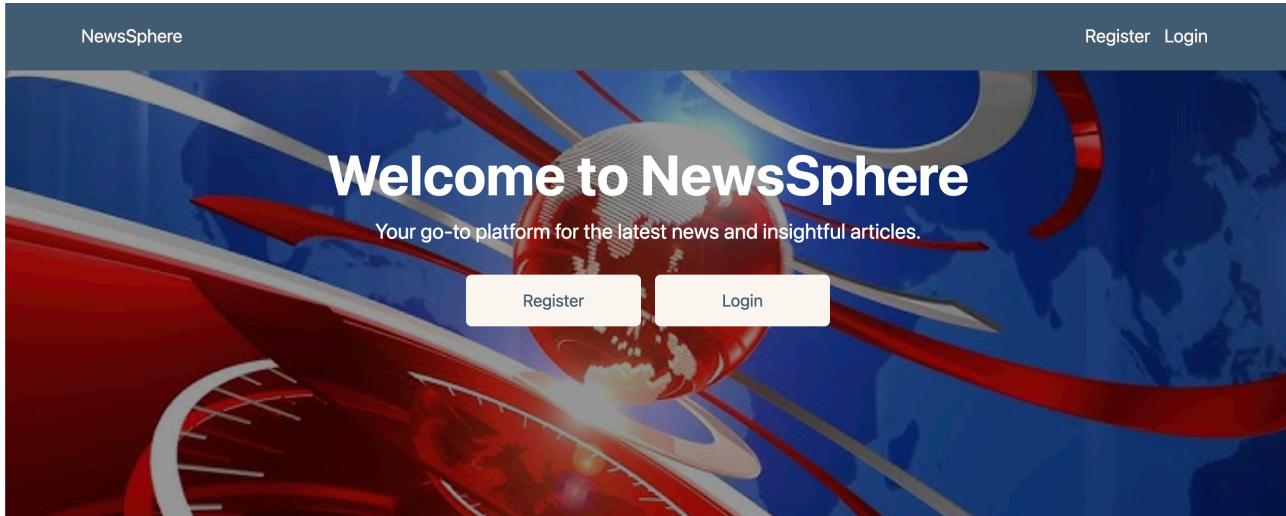
Technologies Used:

- Backend: Django
- Frontend: Angular 16
- Task Scheduling : Celery
- Background Processing: Redis
- Unit Testing: Pytest
- Containerisation: Docker
- CI/CD Pipeline: GitHub Actions
- Version Control: GitHub

User Flow

Landing Page:

- Purpose:** The initial page where users first arrive.
- Components:**
 - Header:** Contains links to "Register" "Login"
 - Main Content:** A call-to-action (CTA) to encourage users to sign up or log in.
 - Footer:** Includes description and links to contact information, and social media links.



Latest Articles

Stay updated with the most recent articles from various sources.

Real-Time Analytics

Get in-depth analysis and trends from the news you read.

User Interaction

Engage with content and interact with a community of readers.

About NewsSphere

NewsSphere is a news aggregation and analysis platform that provides real-time updates, user interactions, personalized recommendations, and advanced analytics through a robust web application.

Contact

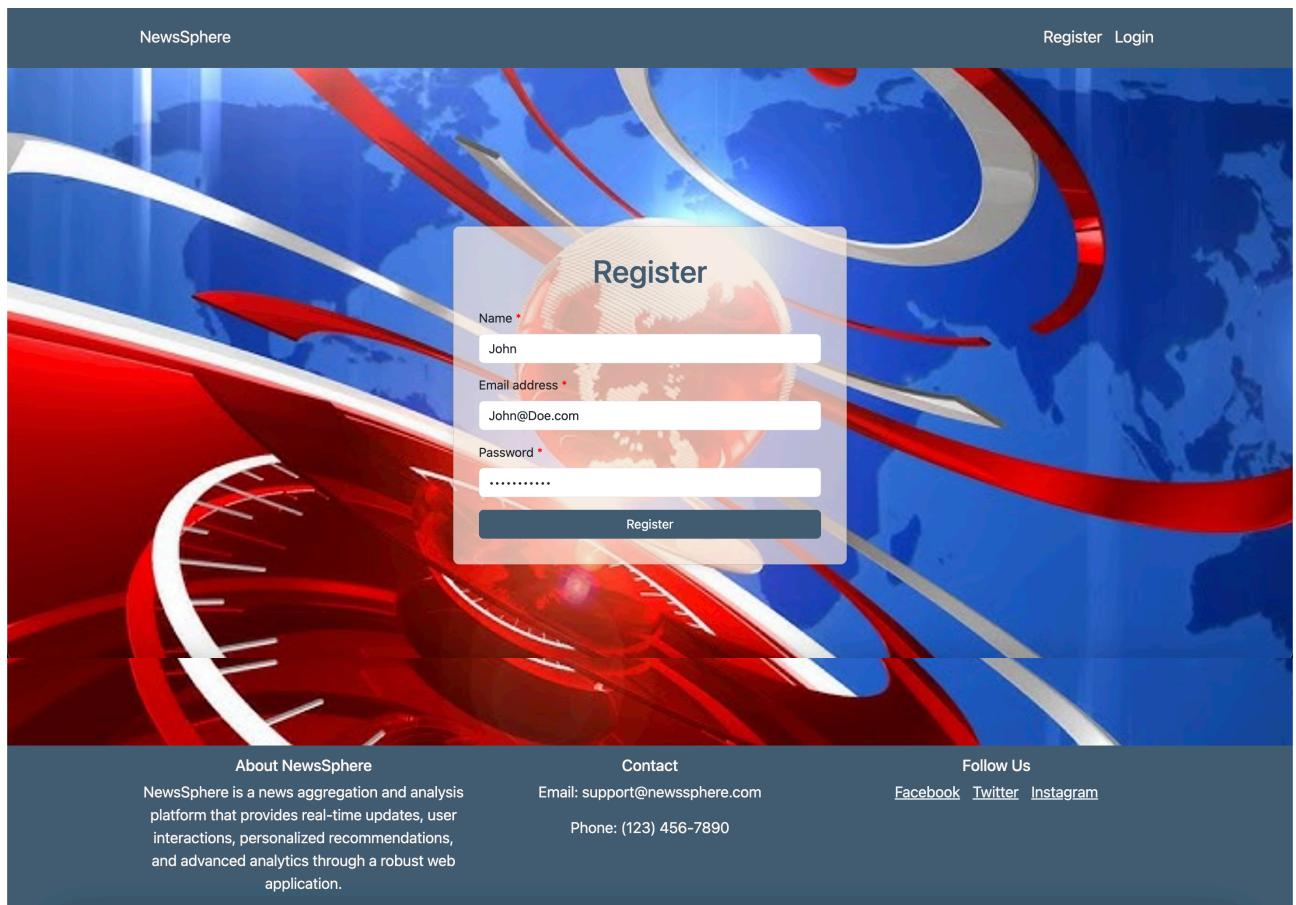
Email: support@newssphere.com
Phone: (123) 456-7890

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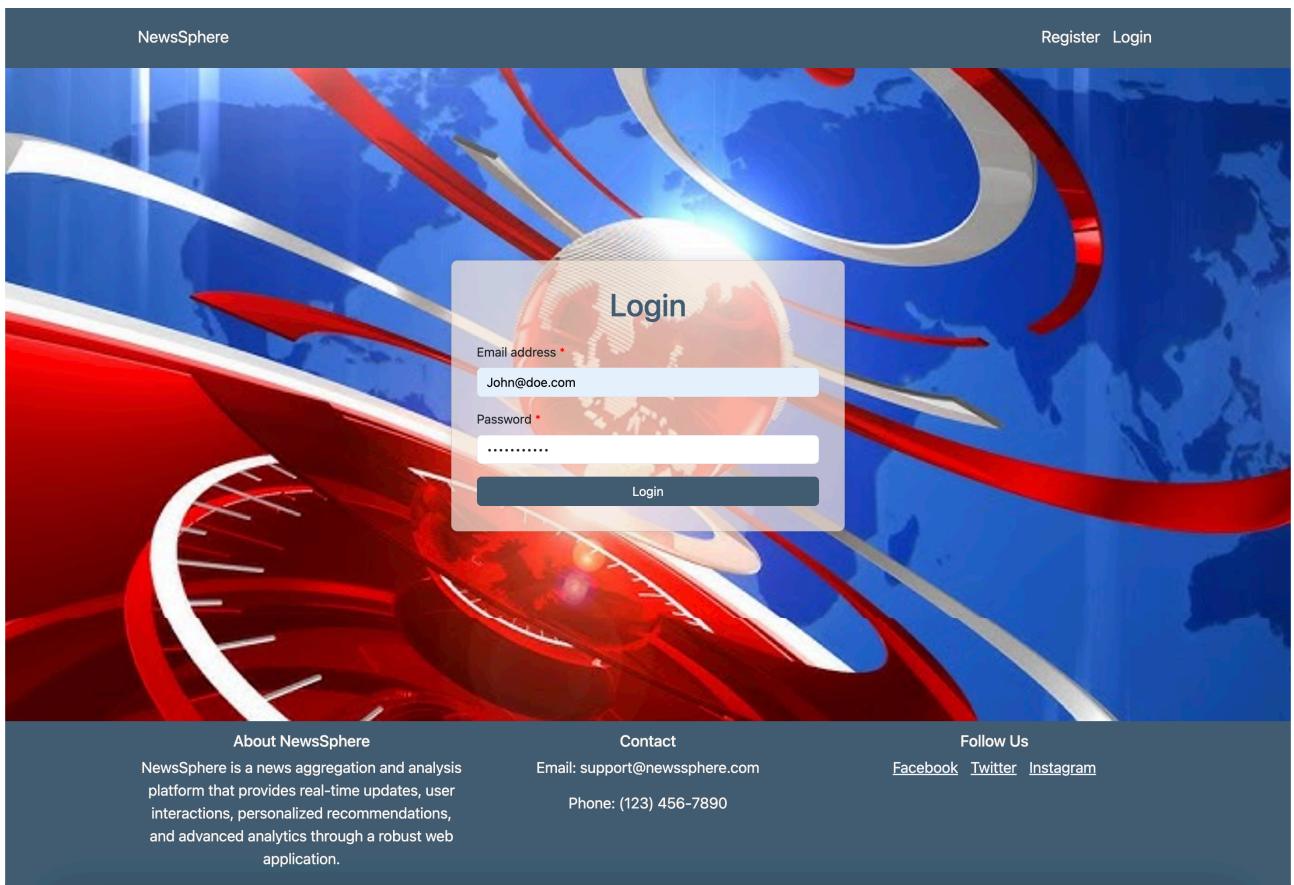
Register Page:

- **Purpose:** Allows new users to create an account.
- **Components:**
 - **Form Fields:**
 - **Name:** Input field for a unique username.
 - **Email:** Input field for the user's email address.
 - **Password:** Input field for creating a password.
 - **Register Button:** To create the account.
 - **Redirect to Login:** User is directed to login page after successful login
 - **Validation Messages:** Error messages for invalid inputs or existing accounts.



Login Page:

- **Purpose:** Allows registered users to sign in to their account.
- **Components:**
 - **Form Fields:**
 - **Email:** Input field to enter the registered email.
 - **Password:** Input field for the password.
 - **Login Button:** To log in.
 - **Validation Messages:** Error messages for incorrect credentials.



Dashboard:

- **Purpose:** The main hub where users can access all features after logging in.
- **Components:**
 - **Header:**
 - **Logout Button:** Securely ends the user session and redirects them to the Landing Page or Login Page.
 - **Navigation Links:** Links to Articles, Bookmarks, etc.
 - **Main Content:**
 - **Articles by Category:**
 - Tabs to filter articles by category.
 - **Recommended Articles:**
 - Personalised article recommendations based on the user's reading history or preferences.
 - Displayed prominently on the dashboard.
 - **Trending Articles:**
 - A section dedicated to articles that are currently popular on the platform.
 - **Insights Section:**
 - Overview of the user's reading activity.
 - Metrics like the number of articles read, bookmarked, and categories explored.

Hey John!

Welcome to your
personalized news
dashboard!

INSIGHT

0

Articles Read

0

Bookmarks

News Categories

Technology

Politics

Sports

Entertainment

Science

Trending Now



Luton vs Burnley LIVE!
Latest score, updates,
match commentary
and highlights from
Championship game |
Football News | Sky
Sports



Recommended For You



National Geographic
Traveler Vacation
Packages | National
Geographic
Expeditions

Boxing News - Boxing
Fights, Fixtures,
Results | Sky Sports



Microsoft Copilot
Chatbot Review: Bing
Is My Default Search
Engine Now - CNET

Articles Page:

- **Purpose:** Dedicated page to explore all articles, with options to filter by categories or search for specific content.
- **Components:**
 - **Category Filter:** Dropdown to filter articles by different categories.
 - **Article List:**
 - Displayed in a grid format.
 - Each article features a title, brief summary, source url , and options to read more or bookmark.
 - **Pagination:** To navigate through multiple pages of articles if needed.

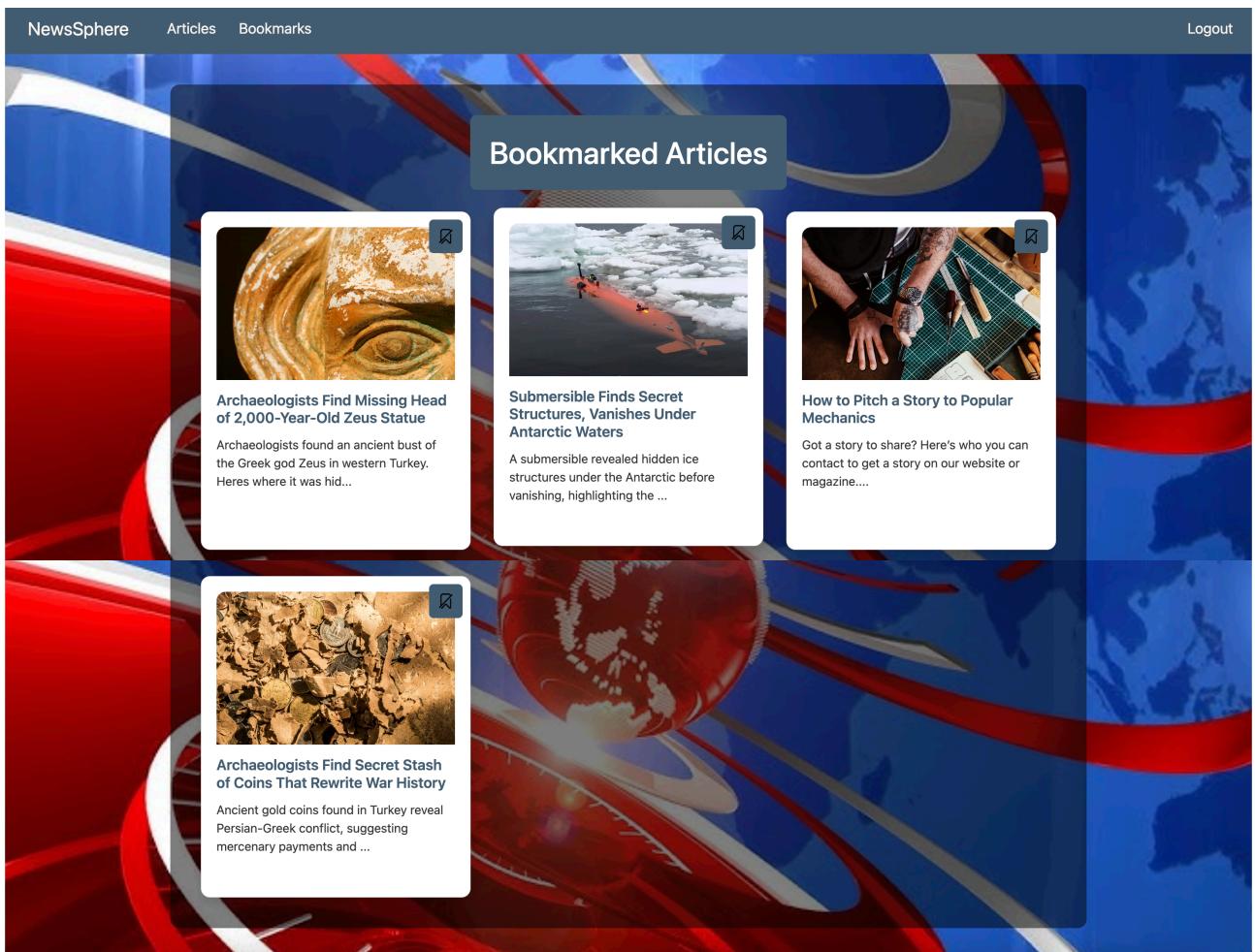
The screenshot shows the 'Latest Articles' section of the NewsSphere website. At the top, there is a header bar with 'NewsSphere' and 'Logout' on the left and right respectively, and 'Articles' and 'Bookmarks' in the middle. Below the header is a dropdown menu labeled 'All Categories'. The main content area displays nine articles in a 3x3 grid. Each article card includes a thumbnail image, the title, a brief summary, and a 'Read More' button.

Thumbnail	Title	Summary
	Archaeologists Find Missing Head of 2,000-Year-Old Zeus Statue	Archaeologists found an ancient bust of the Greek god Zeus in western Turkey. Here's where it was hid...
	Submersible Finds Secret Structures, Vanishes Under Antarctic Waters	A submersible revealed hidden ice structures under the Antarctic before vanishing, highlighting the ...
	How to Pitch a Story to Popular Mechanics	Got a story to share? Here's who you can contact to get a story on our website or magazine....
	Archaeologists Find Secret Stash of Coins That Rewrite War History	Ancient gold coins found in Turkey reveal Persian-Greek conflict, suggesting mercenary payments and ...
	Scientists Just Made a Breakthrough For Interstellar Travel	In a first for warp drives, this research actually obeys the laws of physics....
	Scientists Plan to Freeze Earth's Biodiversity on the Moon	A radical project aims to preserve Earth's species by cryogenically storing samples at lunar poles, o...
	This New Liquid Battery Is a Breakthrough in Renewable Energy Storage	Discover how Stanford chemists new liquid battery could revolutionize renewable energy storage and s...
	Is Gravity Real? A Groundbreaking New Experiment Raises Questions About the Origin of the Universe	Understanding and measuring quantum gravity could unlock secrets about the very origin of the unive...
	Rainstorm Reveals 233-Million-Year-Old Dinosaur in Brazil	Heavy rains in Brazil revealed the remains of a carnivorous dinosaur belonging to the Herrerasaurida...

At the bottom center, there is a navigation bar with 'Page 1 of 97' and arrows for 'Previous' and 'Next'.

Bookmarks Page:

- **Purpose:** Displays all articles the user has bookmarked for future reading.
- **Components:**
 - **Bookmarked Articles List:**
 - Displayed similarly to the Articles page, with each entry showing the article title, summary, and source url.
 - Options to remove bookmarks or read the full article.



Article-Read Page:

- **Purpose:** A separate page where users can read a summarised version of an article.
- **Components:**
 - **Summary:** A concise version of the article, highlighting the main points.
 - **Source Link:** A button to access the full article on the original site.
 - **Social Media Sharing:** Button to share the summary on platforms like Instagram, WhatsApp, and Facebook.

The screenshot shows a mobile-style news article card from the NewsSphere platform. At the top, there's a navigation bar with 'NewsSphere' and 'Logout' on the left and right respectively, and 'Articles' and 'Bookmarks' in the center. The main content area features a large, stylized background image of the American flag's red, white, and blue colors with a world map overlay. In the center, a white card displays the following information:
My son was struggling – then he fell for Trump's toxic brand of 'masculinity'. I'm heartbroken | US elections 2024 | The Guardian
The card includes two small profile pictures: one of a man and one of a young boy. Below the title, the 'The Guardian' logo is visible. The summary text reads:
A progressive father on how Maga drove a wedge between him and his son – and how he's trying to salvage their relationship Read more from our series on young men and the US election I didn't get a call from my son on Father's Day this year. Our political disagreements have made things hard. I'm a 59-year-old progressive and a special education teacher, and I'm voting for Kamala Harris in November. Nick* is 21, and he would say that he holds traditional, conservative values – but he's conflating those values with radical Maga ideas, which correlate the right with patriotism, manhood, intelligence, independence and honesty. I understand where my son's vulnerabilities came from, and why this rightwing posturing was able to seep into him. I understand it, but I still regret it. Nick's mom and I wanted to teach our son that democracy is an active sport. You don't just sit back and watch. We lived in Houston, in the belly of the petrochemical beast, and I remember going to a demonstration against Halliburton, the Iraq war, and Dick Cheney's role in the company. Groups brought puppets – it was almost like street theater – and we rolled Nick along in his stroller. That was the community we were plugged into: artists, musicians, teachers, writers. That's how Nick came up. Nick was a sweet kid. He was really quiet. He's on the upper end of the autism spectrum, so he can have difficulty interpreting social cues.... [Click on source to read more.]
At the bottom of the card are two buttons: 'Source' and 'Explore Other Articles'.