IT314: SOFTWARE ENGINEERING PROJECT
GROUP: 15

TOPIC: NEWS AGGREGATOR
Lab 3-Product backlog

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Here's a breakdown of **27 user stories** for the various actors involved in a **news aggregator platform**, covering Users, Readers, News Providers, and Administrators. These stories follow the format of the **front of the card (role, goal, benefit)** and the **back of the card (acceptance criteria)**.

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1. User: View News Articles

- **Front of the Card**: As a user, I want to view news articles on the homepage so that I can stay informed without logging in.
- **Back of the Card**:
  - The homepage displays a list of latest news articles.
  - Each article shows a headline, summary, and publication date.
  - Users can click on an article to read the full content.
  - No login or registration is required to view articles.

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2. User: Register an Account

- **Front of the Card**: *As a User, I want to register an account, so I can access more features of the news aggregator platform.*
- **Back of the Card**:
  - The registration form must include username, email, and password fields.
  - The system should validate the email address before account creation.
  - After registration, the user should receive a confirmation email.

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3. Reader: Login to Read News

- **Front of the Card**: *As a Reader, I want to log into my account, so I can access full articles and other features like commenting.*
- **Back of the Card**:
  - The reader should log in with an email and password.
  - A "Remember Me" feature should be available.
  - The reader should be redirected to their personalized news feed after login.

4. Reader: Read Full Articles

- **Front of the Card**: *As a Reader, I want to read full news articles, so I can stay informed about current events.*
- **Back of the Card**:
  - Readers should be able to click on any news thumbnail to view the full article.
  - The article page should include the title, full text, publication date, and related images.

5. Reader: Manage Profile

- **Front of the Card**: *As a Reader, I want to manage my profile, so I can update my personal information and preferences.*
- **Back of the Card**:
  - The reader should be able to update their name, email, and password.
  - Profile changes should be saved instantly and reflected in their account.

6. Reader: Update News Feeds

- **Front of the Card**: *As a Reader, I want to update my news feed preferences, so I can get articles tailored to my interests.*
- **Back of the Card**:
  - The reader should be able to choose topics, categories, and regions.
  - Changes to preferences should instantly affect the feed.
  - The system should allow the reader to reset their feed to default settings.

7. Reader: Like Articles

- **Front of the Card**: *As a Reader, I want to like articles, so I can express my appreciation for specific news content.*
- **Back of the Card**:
  - The reader should be able to "like" any article from the article page.
  - The system should display the total number of likes an article has received.

8. Reader: Share Articles

- **Front of the Card**: *As a Reader, I want to share articles on social media, so I can show my friends interesting news.*
- **Back of the Card**:
  - Sharing options for Facebook, Twitter, and other platforms should be available.
  - Clicking a share button should open the relevant platform with the article link pre-loaded.

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9. Reader: Comment on Articles

- **Front of the Card**: *As a Reader, I want to comment on articles, so I can share my opinions and engage with other readers.*
- **Back of the Card**:
  - A comment section should be available on each article page.
  - Readers should be able to edit or delete their comments.
  - Comments should be moderated for inappropriate content.

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10. Reader: Report Articles

- **Front of the Card**: *As a Reader, I want to report articles, so I can flag content that violates guidelines (e.g., misinformation).*
- **Back of the Card**:
  - A "Report" button should be available on all articles.
  - The system should allow readers to choose the reason for reporting.
  - Admins and News providers should be notified of all reported articles.

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11. Reader: Play Quizzes

- **Front of the Card**: *As a Reader, I want to play quizzes related to news topics, so I can test my knowledge and have fun.*
- **Back of the Card**:
  - The platform should offer quizzes linked to specific news categories (e.g., sports, politics).
  - Quizzes should show results and scores at the end.

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12. Reader: Bookmark Articles

- **Front of the Card**: *As a Reader, I want to bookmark articles, so I can save them for later reading.*
- **Back of the Card**:
    - Readers should be able to bookmark any article.
    - A "Bookmarks" section should be accessible from the reader's profile.

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13. Reader: View Reading History

- **Front of the Card**: *As a Reader, I want to view my reading history, so I can easily find articles I've previously read.*
- **Back of the Card**:
    - The platform should store the history of articles the reader has clicked on.
    - The history should be accessible from the profile page.

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14. Reader: Mute News Providers

- **Front of the Card**: *As a Reader, I want to mute specific news providers, so I don't see content from sources I don't trust or like.*
- **Back of the Card**:
    - Readers should be able to mute any news provider from the article page.
    - The system should prevent articles from muted sources from appearing in the feed.

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15. News Provider: Register as a Provider

- **Front of the Card**: *As a News Provider, I want to register as a content provider, so I can post news articles on the platform.*
- **Back of the Card**:
    - Providers should fill out a registration form with details about their organization.
    - The system should send a verification email to confirm their account.

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16. News Provider: Login to Manage Content

- **Front of the Card**: *As a News Provider, I want to log into my account, so I can post and manage my news articles.*
- **Back of the Card**:
    - Providers should log in using their email and password.
    - A dashboard should be available for content management.

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17. News Provider: Post News Articles

- **Front of the Card**: *As a News Provider, I want to post news articles, so I can share content with readers.*
- **Back of the Card**:
    - Providers should be able to upload articles, including title, content, images, and categories.
    - The article should be visible to readers once posted.

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18. News Provider: Edit Published Articles

- **Front of the Card**: *As a News Provider, I want to edit articles after they've been published, so I can update information or fix mistakes.*
- **Back of the Card**:
    - Providers should be able to edit any of their published articles.
    - Changes should reflect instantly after saving.

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19. News Provider: Track Article Performance

- **Front of the Card**: *As a News Provider, I want to track the performance of my articles, so I can see how well they are being received.*
- **Back of the Card**:
    - Providers should see analytics such as views, likes, shares, and comments.

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20. News Provider: Remove Articles

- **Front of the Card**: *As a News Provider, I want to remove articles that are outdated or no longer relevant.*
- **Back of the Card**:
  - Providers should have an option to unpublish or delete articles.
  - Unpublished articles should no longer appear in the feed.

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21. Admin: Manage Users

- **Front of the Card**: *As an Admin, I want to manage user accounts, so I can ensure that only legitimate users are accessing the platform.*
- **Back of the Card**:
  - Admin should have the ability to view, suspend, or delete user accounts.
  - Suspended users should receive an email explaining the suspension.

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22. Admin: Manage News Providers

- **Front of the Card**: *As an Admin, I want to manage news provider accounts, so I can verify and maintain the quality of content providers.*
- **Back of the Card**:
  - Admins should have a list of all registered news providers.
  - The admin should be able to suspend or delete provider accounts for violations of terms.

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23. Admin: Review Reported Articles

- **Front of the Card**: *As an Admin, I want to review reported articles, so I can take action on content that violates guidelines.*
- **Back of the Card**:
  - Admin should have a dashboard listing all reported articles with reasons for reporting.
  - Admin should be able to mark reports as resolved, approve, or remove the reported articles.

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24. Reader: Report Comments

- **Front of the Card**: *As a Reader, I want to report inappropriate comments, so I can help maintain a positive and respectful environment.*
- **Back of the Card**:
    - Each comment should have a "Report" button for users to flag inappropriate content.
    - Users should be prompted to select a reason for reporting.

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25. News Provider: View Reporting on Their Articles

- **Front of the Card**: *As a News Provider, I want to view if any of my articles have been reported, so I can understand any issues with my content.*
- **Back of the Card**:
    - News providers should be able to see a list of their articles that have been reported by readers.
    - The system should provide details on the nature of the report (e.g., misleading information, inappropriate content).
    - Providers should be able to appeal or edit the reported articles before admins make a final decision.

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26. Reader: Follow Specific News Providers

- **Front of the Card**: *As a Reader, I want to follow specific news providers, so I can get updates directly from sources I trust.*
- **Back of the Card**:
    - Readers should be able to follow or unfollow news providers from the article or provider profile pages.
    - Articles from followed providers should be highlighted or prioritized in the reader's feed.
    - Readers should receive notifications when new articles from followed providers are posted.

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27. Admin: View System Usage Analytics

- **Front of the Card**: *As an Admin, I want to view usage analytics across the platform, so I can monitor user engagement and content performance.*
- **Back of the Card**:
    - The admin dashboard should display key metrics such as the number of active users, article views, and most popular categories.

These 27 user stories cover the main features and functionalities for the **User (basic access)**, **Reader (enhanced access)**, **News Provider**, and **Administrator** roles. These stories help structure development tasks and ensure that all actors have the tools they need to interact with the news aggregator platform.