SUNSTONE

“PICLENS BLOG WEBSITE”

SRS

INTRODUCTION

- News media plays a vital role in informing the public, shaping public opinion, and holding those in power accountable.
- It serves as a primary source of information, allowing people to stay informed about current events, both locally and globally.

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PURPOSE

❖ Revenue Generation: While the primary mission of news media is to inform, many news websites also generate revenue through various means, including advertising, subscriptions, sponsored content, and affiliate marketing. These funds are used to support the journalism and maintain the website.

❖ Education: News media websites can educate the public on various topics, from explaining complex issues to providing resources and guides for better understanding. They often serve as a valuable educational resource.

SOFTWARE REQUIREMENTS

Frontend:

- ❖ HTML
- ❖ CSS
- ❖ JAVASCRIPT

Backend:

- ❖ PYTHON
- ❖ PHP

HARDWARE REQUIREMENTS

- CPU, RAM, storage, and network capabilities
- Minimum 16GB of RAM
- High-speed SSD storage
- Dual quad-core processors

FUNCTIONAL REQUIREMENT

1. User Registration and Authentication:

- Users can create accounts, log in, and manage their profiles.
- Provide options for social media login and account recovery.

2. Content Management:

- Authorized users, such as journalists and editors, can create, edit, and publish articles, videos, images, and other multimedia content.
- Support for different content types, including news articles, editorials, videos, and image galleries.

3. Content Categorization and Tagging:

- Ability to categorize and tag content to organize articles into sections like politics, business, sports, and entertainment.
- Support for multiple tags and categories per article.

4. Search Functionality:

- Robust search capabilities that allow users to find articles and content by keywords, categories, tags, and publication date.

5. User Comments and Engagement:

- Users can comment on articles and engage in discussions.
- Moderation features to manage user-generated content.

NON FUNCTIONAL REQUIREMENTS

1. Performance:

● Response Time: The website should load quickly, with pages rendering in a specified time frame (e.g., under 3 seconds).

● Scalability: The website should handle traffic spikes and growth without significant performance degradation. It should be scalable to accommodate increased traffic.

2. Availability:

● The website should be available 24/7 with a minimum uptime percentage, such as 99.9%. Downtime should be minimal and scheduled during low-traffic hours.

3. Security:

● Data Encryption: User data, especially login credentials, should be encrypted during transmission using protocols like HTTPS.

● Authentication and Authorization: Access to sensitive areas, like the content management system, should be restricted to authorized personnel only.

● Protection Against DDoS Attacks: Implement measures to mitigate Distributed Denial of Service attacks to ensure website availability.

● Data Backup and Recovery: Regular backups of website content and databases to ensure data recovery in case of data loss or server issues.

4. Reliability:

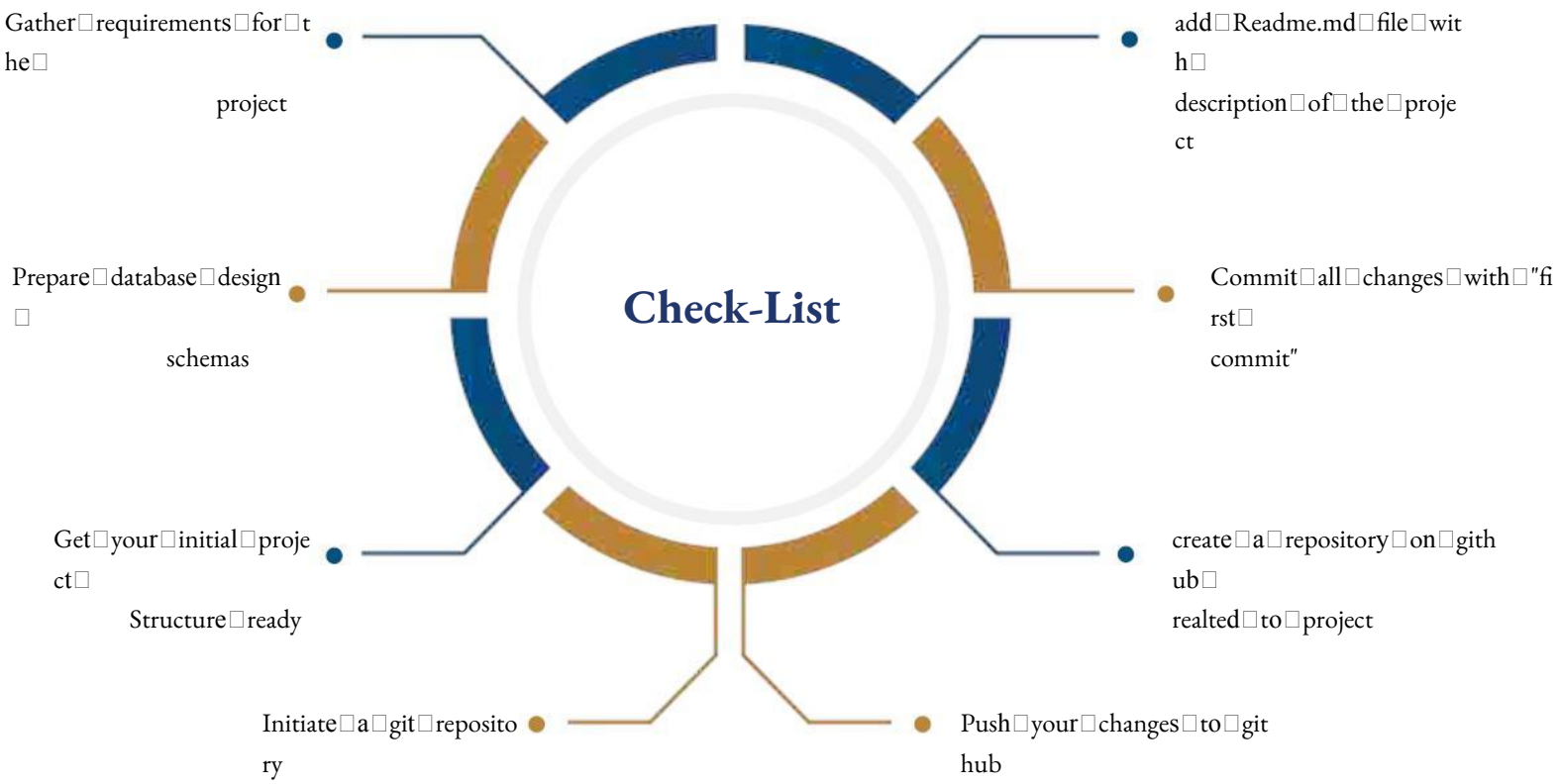
● The website should be reliable and exhibit consistent performance, with minimal errors or crashes.

● It should provide redundant systems and failover capabilities to maintain operation in the event of hardware or software failures.

CONCLUSION

- As a rule, the newspaper editors interviewed and surveyed for this report believe that no other medium has the ability to take a complicated, sophisticated, important issue and examine it in all its nuances.
- In a world where much of the new, fast-proliferating information available to the consumer stems from Internet sources that undergo little or no quality control, guarding the newspaper's objectivity and credibility is considered crucial

Assessment Parameter



Submission Github

https://github.com/Purushoth04/NM-batch-13.git

Thank you!