**Availability in system design** refers to the proportion of time that a system or service remains operational and accessible for use. [It is a critical aspect of designing reliable and resilient systems, especially for online services, websites, cloud-based applications, and other mission-critical systems1](https://www.geeksforgeeks.org/availability-in-system-design/).

Here are **five free resources** where you can learn more about availability in system design:

1. **GeeksforGeeks**: Their article on [Availability in System Design](https://www.geeksforgeeks.org/availability-in-system-design/) provides a comprehensive overview and practical insights.
2. **PrepBytes**: Check out their post on [Availability in System Design](https://www.prepbytes.com/blog/system-design/availability-in-system-design/) for clear explanations and examples.
3. **EnjoyAlgorithms**: Learn about availability concepts in their article on [Availability: System design concept](https://www.enjoyalgorithms.com/blog/availability-system-design-concept/).
4. **GitHub - donnemartin/system-design-primer**: Explore this open-source project that covers various system design topics, including availability. It includes [Anki flashcards](https://github.com/donnemartin/system-design-primer) for retention.
5. **ResearchGate**: For a research perspective, read the paper on [Designing an Adaptable High-Availability E-Learning Framework](https://www.researchgate.net/publication/349946274_DESIGNING_AN_ADAPTABLE_HIGH-AVAILABILITY_E-LEARNING_FRAMEWORK_USING_FREE_AND_OPEN_SOURCE_TECHNOLOGY).

Remember to practice common system design interview questions and compare your solutions with sample answers to reinforce your understanding. Happy learning! 🚀