References

References

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 - Note: This book discusses operating systems, computer architecture, and more general topics. It was instrumental as a reference for the explanation of dynamic scheduling applications without real-time requirements, providing foundational knowledge on operating system concepts and structures which were applied in the context of scheduling algorithms.
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 - Note: This book helps in our point about preemptive scheduling and user interaction. It provided the theoretical background for the explanation of preemptive scheduling mechanisms and how these mechanisms can be used to improve user interaction in operating systems.
- Liu, C. L., & Layland, James W. (1973). Scheduling algorithms for multiprogramming in a hard-real-time environment. *Journal of the ACM (JACM)*, 20(1), 46-61.
 - Note: This seminal paper introduces Rate Monotonic Scheduling, essential for understanding RMS and its optimality. It provided the theoretical basis for discussing RMS, explaining its principles and demonstrating its optimality for fixed-priority scheduling in hardreal-time systems.
- Liu, Jane W. S. (2000). Real-Time Systems. Prentice Hall.
 - Note: This book is a comprehensive resource on real-time systems, used for both soft and hard real-time systems background information. It provided in-depth coverage of real-time system concepts, including RMS and its mathematical foundations, which were crucial for explaining the implementation and analysis of RMS in our study.

- Buttazzo, Giorgio C. (2011). Hard real-time computing systems: predictable scheduling algorithms and applications (Vol. 24). Springer Science & Business Media.
 - Note: This book discusses schedulability analysis, utilization bounds, and detailed RMS examples, both for hard and soft real-time systems.
 It provided detailed examples and practical insights that were used to illustrate the application of RMS in real-world scenarios.
- Liu, C. L., & Layland, J. W. (1989). Rate Monotonic Analysis for Real-Time Systems. Carnegie Mellon University, Software Engineering Institute.
 - Note: This report presents the foundational principles of RMS and its mathematical analysis. It was used to explain the mathematical underpinnings of RMS and to support the theoretical analysis of its performance and schedulability.
- University of Idaho. (2021). Introduction to Rate Monotonic Scheduling. Available at: https://www.webpages.uidaho.edu/~jimc/Teaching/CS445/lectures/rms.pdf
 - Note: This document provides an introductory overview of RMS with examples and basic concepts. It was used as an introductory reference to explain the basic principles of RMS to readers new to the topic.
- Joseph, M., & Pandya, P. (1986). Finding Response Times in a Real-Time System. *The Computer Journal*, 29(5), 390-395.
 - Note: This paper informed the section about completion time tests, providing the theoretical basis for calculating response times in realtime systems, which was crucial for our analysis of task schedulability under RMS.