Sync vs Async Communication

Request and wait for a response
Fire and forget with messages/events

@h-pej123

Synchronous

Request-response model

Send a request and wait for some response
Example: API requests

Asynchronous

Fire and forget model

Send message/event and forget
Example: Event Driven Architecture

Async Communication Trending

Tong S. Lee

Async Communication Trending:

Trends and Innovations in Information Systems and Technologies Álvaro Rocha,Hojjat Adeli,Luís Paulo Reis,Sandra Costanzo,Irena Orovic,Fernando Moreira,2020-05-17 This book gathers selected papers presented at the 2020 World Conference on Information Systems and Technologies WorldCIST 20 held in Budva Montenegro from April 7 to 10 2020 WorldCIST provides a global forum for researchers and practitioners to present and discuss recent results and innovations current trends professional experiences with and challenges regarding various aspects of modern information systems and technologies The main topics covered are A Information and Knowledge Management B Organizational Models and Information Systems C Software and Systems Modeling D Software Systems Architectures Applications and Tools E Multimedia Systems and Applications F Computer Networks Mobility and Pervasive Systems G Intelligent and Decision Support Systems H Big Data Analytics and Applications I Human Computer Interaction J Ethics Computers K Health Informatics L Information Technologies in Education M Information Technologies in Radiocommunications and N Technologies for Biomedical Applications   Foundations of Computer Software: Future Trends and Techniques for Development Christine Choppy,Oleg Sokolsky,2010-04-20 This book presents the thoroughly refereed and revised proceedings of the 15th Monterey Workshop held in Budapest Hungary September 24 26 2008 The theme of the workshop was Foundations of Computer Software Future Trends and Techniques for Development The 13 revised full papers presented at the workshop explore how the foundations and development techniques of computer software could be adapted to address such a challenge Material presented in the papers spans the whole software life cycle starting from specification and analysis design and the choice of architectures large scale real world software development code generation and configuration deployment and evolution   **Management of Digital EcoSystems** Richard Chbeir,Ernesto Damiani,Schahram Dustdar,Yannis Manolopoulos,Elio Masciari,Evaggelia Pitoura,Antonio Rinaldi,2025-07-15 This book constitutes the proceedings of the 16th International Conference on Management of Digital EcoSystems MEDES 2024 held in Naples Italy during November 2024 The 23 full papers and 10 Short papers included in this book were carefully reviewed and selected from 65 submissions They were organized in topical sections as follows Energy and Environment Recommendation Systems Social Networks and Emotion Recognition Medical and Health Issues Cybersecurity and Privacy Data Mining Operations Parallel and Distributed Systems Network Aspects and Applications   **Collaborative Technologies and Applications for Interactive Information Design: Emerging Trends in User Experiences** Rummler, Scott,Ng, Kwong Bor,2009-08-31 This book covers emerging topics in collaboration Web 2 0 and social computing Provided by publisher   Designing Online Teaching & Learning Environment: An Innovative Approach Michael A Radin,2023-09-27 This book first presents the evolution of education from traditional face to face to the current remote and online education and its various iterations The author shares experiences and insights on the most effective teaching techniques in both environments some recent

approaches and highlights where there is need for continued improvement Educators are provided with practical suggestions and examples to aid them in the design promotion and teaching of online courses worldwide Topics include applying student and colleague feedback to improve teaching skills in an online setting benefits of teaching learning and working in an online environment and contrasts between synchronous and asynchronous modes of online instruction among others The ultimate goal is to promote accessible and equitable online education for all regardless of the pandemics or political unrest The reader is invited on a hands on journey to discover the potential of the online educational experience with thought provoking questions to encourage reflection and growth along the way   *Recent Trends in Algebraic Development Techniques* ,2001

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