

Sync vs. Async Communication

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Lingjun Ying



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slip through the net and ensure that these do not detract from the experience of the end user of your application From here you ll move on to more advanced topics such as using cookies and jazzing up your web pages with dynamic HTML and XML Finally you ll be looking at a relatively new and exciting technology remote scripting This allows your JavaScript in a HTML page to communicate directly with a server and useful for say looking up information on a database sitting on your server If you have the Google toolbar you ll have seen something like this in action already When you type a search word in the Google toolbar it comes up with suggestions which it ge

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with the I2C bus to add GPIO using the PCF8574 chip And how to create PWM output for RC control using hardware timers You ll be introduced to new concepts that are necessary to master theSTM32 such as how to extend code with GCC overlays using an external Winbond W25Q32 flash chip Your knowledge is tested at the end of each chapter with exercises Upon completing this book you ll be ready to work with any of the devices in the STM32 family Beginning STM32 provides the professional student or hobbyist a way to learn about ARM without costing an arm What You ll Learn Initialize and use the libopencm3 drivers and handle interrupts Use DMA to drive a SPI based OLED displaying an analog meter Read PWM from an RC control using hardware timers Who This Book Is For Experienced embedded engineers students hobbyists and makers wishing to explore the ARM architecture going beyond Arduino limits **IT Architecture For Dummies** Kalani Kirk Hausman,Susan L. Cook,2010-10-15 A solid introduction to the practices plans and skills required for developing a smart system architecture Information architecture combines IT skills with business skills in order to align the IT structure of an organization with the mission goals and objectives of its business This friendly introduction to IT architecture walks you through the myriad issues and complex decisions that many organizations face when setting up IT systems to work in sync with business procedures Veteran IT professional and author Kirk Hausman explains the business value behind IT architecture and provides you with an action plan for implementing IT architecture procedures in an organization You ll explore the many challenges that organizations face as they attempt to use technology to enhance their business s productivity so that you can gain a solid understanding of the elements that are required to plan and create an architecture that meets specific business goals Defines IT architecture as a blend of IT skills and business skills that focuses on business optimization business architecture performance management and organizational structure Uncovers and examines every topic within IT architecture including network system data services application and more Addresses the challenges that organizations face when attempting to use information technology to enable profitability and business continuity While companies look to technology more than ever to enhance productivity you should look to IT Architecture For Dummies for guidance in this field *Practical Data Communications for Instrumentation and Control* John Park,Steve Mackay,Edwin Wright,2003-07-28 Overview of Data Communications Basic Data Communication Principles Physical Serial Communication Standards Error Detection Cabling Basics Electrical Noise and Interference Modems and Multiplexers Introduction to Protocols Open Systems Interconnection Model Industrial Protocols HART Protocol Open Industrial Fieldbus and DeviceNet Systems Local Area Networks Appendix A Numbering Systems Appendix B Cyclic Redundancy Check CRC Program Listing Appendix C Serial Link Design Glossary [Beginning ChatGPT for Python](#) Lydia Evelyn,Bruce Hopkins,2024-11-22 Unlock the future of software development and empower yourself to elevate your Python applications by harnessing the power of AI as this field continues to grow and evolve Perfect for beginner to intermediate Python programmers this book breaks down the essentials of using ChatGPT and OpenAI APIs You ll start with the basics learning to authenticate send prompts generate

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