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Web-based Learning in K-12 Classrooms

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The revised versions of lectures given at the Summer Convention on Information Extraction, SCIE 2002, held in Frascati, Italy in July 2002. The following lectures by leading authorities in the field of information extraction are included: - acquisition of domain knowledge - terminology mining - finite-state approaches to Web IE - measuring term representatives - agent-based ontological mediation in IE systems - information retrieval and IE

in question answering systems - natural language communication with virtual actors

Psychologist-detective Dr. Alex Delaware finds terror in the heart of paradise in this relentlessly sinister novel by America's premier writer of psychological suspense. Three months in paradise, all expenses paid. It's an invitation Alex Delaware can't refuse. Dr. Woodrow Wilson Moreland, a revered scientist and philanthropist on the tiny Pacific island of Aruk, has invited Alex to his home to help him organize his papers for publication--a light workload leaving Alex plenty of time to enjoy a romantic interlude with Robin Castagna. Quickly, however, secretive houseguests, frightening nocturnal visitors, and the elusive Dr. Moreland himself dim the pleasures of deep blue water and white sand. The cases Moreland chooses to share--a patient driven to madness by a cruel, unspeakable act; a man who succumbed forty years ago to radiation poisoning after a nuclear blast; a young woman, brutally murdered, whose mutilated body was found on the beach just six months before--seem unconnected. And yet Alex can't help wondering what the good doctor is trying to tell him... and what Moreland's real reason for inviting him to Aruk is. As Alex probes--with a little long-distance help from his friend LAPD detective Milo Sturgis--he comes to believe the answer lies hidden somewhere on Moreland's vast estate. Yet when he finally discovers the truth, the revelation will be more shocking than he could have imagined. And it will come too late to stem the tide of violence that threatens guilty and innocent alike on the lovely lost island of Aruk. With his brilliant characterizations and rapid-fire pace, Jonathan Kellerman has redefined the boundaries of suspense, probing real-life horrors and innermost fears in a novel that transfixes from first page to last.

Abstract: Learn how UX and design thinking can make your site stand out from the rest of the internet. About This Book Learn everything you need to know about UX for your Web Design. Design B2B, B2C websites that stand out from the competitors with this guide Enhance your business by improving customer

accessibility and retention. Who This Book Is For If you're a designer, developer, or just someone who has the desire to create websites that are not only beautiful to look at but also easy to use and fully accessible to everyone, including people with special needs, UX for the Web will provide you with the basic building blocks to achieve just that. What You Will Learn Discover the fundamentals of UX and the User-Centered Design (UCD) Process. Learn how UX can enhance your brand and increase user retention Learn how to create the golden thread between your product and the user Use reliable UX methodologies to research and analyze data to create an effective UX strategy Bring your UX strategy to life with wireframes and prototypes Set measurable metrics and conduct user tests to improve digital products Incorporate the Web Content Accessibility Guidelines (WCAG) to create accessible digital products In Detail If you want to create web apps that are not only beautiful to look at, but also easy to use and fully accessible to everyone, including people with special needs, this book will provide you with the basic building blocks to achieve just that. The book starts with the basics of UX, the relationship between Human-Centered Design (HCD), Human-Computer Interaction (HCI), and the User-Centered Design (UCD) Process; it gradually takes you through the best practices to create a web app that stands out from your competitors. You'll also learn how to create an emotional connection with the user to increase user interaction and client retention by different means of communication channels. We'll guide you through the steps in developing an effective UX strategy through user research and persona creation and how to bring that UX strategy to life with beautiful, yet functional designs that cater for complex features with micro interactions. Practical UX methodologies such as creating a solid Information Architecture (IA), wireframes, and prototypes will be discussed in detail. We'll also show you how to test your designs with representative users, and ensure that they are usable on different devices, browsers and assistive

technologies. Lastly, we'll focus on making your web app fully accessible from a development and design perspective by taking you through the Web Content Accessibility Guidelines (WCAG).

Style and Approach This is an easy-to-understand step-by-step guide with full of examples to that will help you in creating good UX for your web applications. The vitality and accessibility of Fritjof Capra's ideas have made him perhaps the most eloquent spokesperson of the latest findings emerging at the frontiers of scientific, social, and philosophical thought. In his international bestsellers *The Tao of Physics* and *The Turning Point*, he juxtaposed physics and mysticism to define a new vision of reality. In *The Web of Life*, Capra takes yet another giant step, setting forth a new scientific language to describe interrelationships and interdependence of psychological, biological, physical, social, and cultural phenomena--the "web of life." During the past twenty-five years, scientists have challenged conventional views of evolution and the organization of living systems and have developed new theories with revolutionary philosophical and social implications. Fritjof Capra has been at the forefront of this revolution. In *The Web of Life*, Capra offers a brilliant synthesis of such recent scientific breakthroughs as the theory of complexity, Gaia theory, chaos theory, and other explanations of the properties of organisms, social systems, and ecosystems. Capra's surprising findings stand in stark contrast to accepted paradigms of mechanism and Darwinism and provide an extraordinary new foundation for ecological policies that will allow us to build and sustain communities without diminishing the opportunities for future generations. Now available in paperback for the first time, *The Web of Life* is cutting-edge science writing in the tradition of James Gleick's *Chaos*, Gregory Bateson's *Mind and Matter*, and Ilya Prigogine's *Order Out of Chaos*. In *Rule the Web*, you'll learn how to:

- * Browse recklessly, free from viruses, ads, and spyware *
- Turn your browser into a secure and powerful anywhere office *
- Raze your old home page and build a modern Web masterpiece *

Get the news so fast it'll leave skidmarks on your inbox * Fire your broker and let the Internet make you rich * Claim your fifteen megabytes of fame with a blog or podcast You use the Web to shop, do your banking, have fun, find facts, connect with family, share your thoughts with the world, and more. But aren't you curious about what else the Web can do for you? Or if there are better, faster, or easier ways to do what you're already doing? Let the world's foremost technology writer, Mark Frauenfelder, help you unlock the Internet's potential—and open up a richer, nimbler, and more useful trove of resources and services, including: EXPRESS YOURSELF, SAFELY. Create and share blogs, podcasts, and online video with friends, family, and millions of potential audience members, while protecting yourself from identity theft and fraud. DIVIDE AND CONQUER. Tackle even the most complex online tasks with ease, from whipping up a gorgeous Web site to doing all your work faster and more efficiently within your browser, from word processing to investing to planning a party. THE RIGHT WAY, EVERY TIME. Master state-of-the-art techniques for doing everything from selling your house to shopping for electronics, with hundreds of carefully researched tips and tricks. TIPS FROM THE INSIDERS. Mark has asked dozens of the best bloggers around to share their favorite tips on getting the most out of the Web. Webmasters and graphics professionals involved with Web page design need wait no more for choices in what fonts they can use on the Web. With this practical book in hand, readers get the latest information and tips on how to incorporate advances in Web typography--including Bitstream's TrueDoc typesetting system and Cascading Style Sheets--to make Web pages even more exciting. The CD-ROM is loaded with freeware and shareware. If you are in charge of the user experience, development, or strategy for a web site, A Web for Everyone will help you make your site accessible without sacrificing design or innovation. Rooted in universal design principles, this book provides solutions: practical advice and

examples of how to create sites that everyone can use. Quick inspiration from mobile designers! Featuring more than 700 examples, *Mobile Web Designer's Idea Book* is packed with visual inspiration for creating top-notch mobile web designs. Web design expert Patrick McNeil, author of the popular *Web Designer's Idea Book* series, is back, this time with an in-depth look at trends, styles, themes and patterns in mobile web design. Arranged thematically, this inspiring and informative guide puts important mobile web topics at your fingertips. Discover what you need to know about: Frameworks Navigation Design styles Design elements Site types And more! Keep your projects relevant in this fast paced and ever-changing world of mobile web with this indispensable reference. *Web Design Inspiration at a Glance Volume 2 of The Web Designer's Idea Book* includes more than 650 new websites arranged thematically, so you can easily find inspiration for your work. Author Patrick McNeil, creator of the popular web design blog designmeltdown.com and author of the original bestselling *Web Designer's Idea Book*, has cataloged thousands of sites, and showcases the latest and best examples in this book. The web is the most rapidly changing design medium, and this book offers an organized overview of what's happening right now. Sites are categorized by type, design element, styles and themes, structural styles, and structural elements. This new volume also includes a helpful chapter explaining basic design principles and how they can be applied online. Whether you're brainstorming with a coworker or explaining your ideas to a client, this book provides a powerful communication tool you can use to jumpstart your next project. Turning web sites inside-out, this title examines site architecture, going on to discuss and explain possible improvements. Half of Russia's email traffic passes through an ordinary-looking building in an otherwise residential district of South West Moscow. On the eighth floor, in here a room occupied by the FSB, the successor organization to the KGB, is a box the size of a VHS player, marked SORM. SORM

once intercepted just phone calls. Now it monitors emails, internet usage, Skype, and all social networks. It is the world's most intrusive listening device, and it is the Russian Government's front line for the battle of the future of the internet. Drawn from scores of interviews personally conducted with numerous prominent officials in the ministry of communications and web-savvy activists challenging the state, Andrei Soldatov and Irina Borogan's fearless investigative reporting in *The Red Web* is both harrowing and alarming. They explain the long and storied history of Russian advanced surveillance systems, from research laboratories in Soviet era labor camps to the legalization of government monitoring of all telephone and internet communications in 1995. But for every hacker subcontracted by the FSB to interfere with Russia's antagonists abroad such as those who in a massive Denial of Service attack overwhelmed the entire internet in neighboring Estonia there is a radical or an opportunist who is using the web to chip away at the power of the state at home. Empowered by communication enabled by social media, a community of activists, editors, programmers and others are finding ways to challenge abusive state powers online. Alexei Navalny used his LiveJournal to expose political corruption in Russian, and gained a viral following after attacking Putin's party of crooks and thieves." Grigory Melkonyants, deputy director of the nation's only independent election watchdog organization, developed a visual that tracked and mapped voter fraud across the country. And on December 10th, 2011 50,000 people crowded Bolotnaya Square to protest United Russia and its lawless practices. Twenty-four-year-old Ilya Klishin had used Facebook to spark the largest organized demonstration in Moscow since the dying days of the Soviet Union. The internet in Russia is either the most efficient totalitarian tool or the very device by which totalitarianism will be overthrown. Perhaps both. The Red Web exposes how easily a free global exchange can be splintered coerced into becoming a

tool of geopolitical warfare. Without much-needed activism or regulation, the Internet will no longer be a safe and egalitarian public forum but instead a site Balkanized and policed to suit the interests and agendas of the world's most hostile governments.

Web Search: Public Searching of the Web, co-authored by Drs. Amanda Spink and Bernard J. Jansen, is one of the first manuscripts that address the human - system interaction of Web searching in a thorough and complete manner. The authors provide an examination of Web searching from multiple levels of analysis, from theoretical overview to detailed study of term usage, and integrate these different levels of analysis into a coherent picture of how people locate information on the Web using search engines. Drawing primarily on their own research and work in the field, the authors present the temporal changes in, the growth of, and the stability of how people interact with Web search engines. Drs. Spink and Jansen present results from an analysis of multiple search engine data sets over a six year period, giving a firsthand account of the emergence of Web searching. They also compare and contrast their findings to the results of other researchers in the field, providing a valuable bibliographic resource. This research is directly relevant to those interested in providing information or services on the Web, along with those who research and study the Web as an information resource. Graduate students, academic and corporate researchers, search engine designers, information architects, and search engine optimizers will find the book of particular benefit. Many books offer instruction on how to use software programs to build Web sites, podcasts, and illustrations. But *'Writing for the Web'* explains when and why an author might choose an illustration over a photograph, motion graphics over text, or a slice of Beethoven's Fifth over the sound of a bubbling brook. Focusing on storytelling techniques that work best for digital media, this book describes the essential skills and tools in a Web author's toolbox, including a thorough understanding of grammar

and style, a critical eye for photography, and an ear for just the right sound byte for a podcast. Written by the experts at 37signals, this book shows hundreds of real-world examples from companies like Amazon, Google, and Yahoo that show the right (and wrong) ways to get defensive. Readers will learn 40 guidelines to prevent errors and rescue customers if a breakdown occurs. They'll also explore how to evaluate their own site's defensive design and improve it over the long term. A compelling foundation for a new story of interconnectedness, showing how, as our civilization unravels, another world is possible. Award-winning author, Jeremy Lent, investigates humanity's age-old questions—Who am I? Why am I? How should I live?—from a fresh perspective, weaving together findings from modern systems thinking, evolutionary biology, and cognitive neuroscience with insights from Buddhism, Taoism, and Indigenous wisdom. The result is a breathtaking accomplishment: a rich, coherent worldview based on a deep recognition of connectedness within ourselves, between each other, and with the entire natural world. As our civilization careens toward a precipice of climate breakdown, ecological destruction, and gaping inequality, people are losing their existential moorings. Our dominant worldview of disconnection—which tells us we are split between mind and body, separate from each other, and at odds with the natural world—has passed its expiration date. Yet another world is possible. *The Web of Meaning* offers a compelling foundation for the new story that could enable humanity to thrive sustainably on a flourishing Earth. It's a book for everyone looking for deep and coherent answers to the crisis of civilization. *The World Wide Web* is the most revolutionary innovation of our time. In the last decade, it has utterly transformed our lives. But what real effects is it having on our social world? What does it mean to be a modern family when dinner table conversations take place over smartphones? What happens to privacy when we readily share our personal lives with

friends and corporations? Are our Facebook updates and Twitterings inspiring revolution or are they just a symptom of our global narcissism? What counts as celebrity, when everyone can have a following or be a paparazzo? And what happens to relationships when love, sex and hate can be mediated by a computer? Social psychologist Aleks Krotoski has spent a decade untangling the effects of the Web on how we work, live and play. In this groundbreaking book, she uncovers how much humanity has - and hasn't - changed because of our increasingly co-dependent relationship with the computer. In *Untangling the Web*, she tells the story of how the network became woven in our lives, and what it means to be alive in the age of the Internet. Demonstrates Web design fundamentals that consider usability a major design goal, provides advice on incorporating usability considerations in each stage of the design process, and discusses the functionality of e-commerce sites. We all see what the internet does and increasingly don't like it, but do we know how and more importantly who makes it work that way? That's where the real power lays... The internet was supposed to be a thing of revolutions. As that dream curdles, there is no shortage of villains to blame--from tech giants to Russian bot farms. But what if the problem is not an issue of bad actors ruining a good thing? What if the hazards of the internet are built into the system itself? That's what journalist James Ball argues as he takes us to the root of the problem, from the very establishment of the internet's earliest protocols to the cables that wire it together. He shows us how the seemingly abstract and pervasive phenomenon is built on a very real set of materials and rules that are owned, financed, designed and regulated by very real people. In this urgent and necessary book, Ball reveals that the internet is not a neutral force but a massive infrastructure that reflects the society that created it. And making it work for--and not against--us must be an endeavor of the people as well. As the concept and use of virtual organizations grows, it is necessary to gain a better

understanding of how the virtual economy operates. *Managing Virtual Web Organizations in the 21st Century: Issues and Challenges* provides a guideline of how to manage virtual organizations, by introducing the concept, explaining the management theories behind the concept and presenting practical examples of successfully operating virtual organizations. Here's a book that describes Web 2.0 tools in-depth, models Web 2.0 tools through classroom examples, explains how to get started with each tool, presents practical unit plans illustrating the use of Web 2.0 in the K-12 content-area curricula, and identifies and describes what tools are most useful to educators for networking, productivity and insight into the technologies. Part 1 of each chapter answers many questions you will have about Web 2.0 and social networking tools: What is the tool? Why use it with students? How are K-12 classrooms using the tool? Can you provide me with specific examples for my science, history, or language arts curriculum? Part 2 describes specific tools and the steps to get started. Part 3 contains a detailed sample unit plan, teacher exercises and a summary following. Screen shots of websites are used to make the advice straightforward and easy to understand. You'll find an entire chapter on special instruction for ESL students with objectives, tools, and K-12 classroom examples. To help you implement Web 2.0 tools beyond the curriculum, there's even a chapter devoted to technology tools specifically designed for teachers and librarians to use for personal productivity, communication, and collaboration. The conclusion offers ideas for integrating Web 2.0 in art, music, and health. Exciting examples of the book's contents include: Collaborating and Communicating with Blogs Creating Multidisciplinary Wikis Google Tools: Enhancing Instruction in the Science Curriculum K-12 Classrooms Join the Social Networking Revolution Using VoiceThread and Video to Improve Language Development Creating Community In addition to the great content you'll find in the book, *Using Web 2.0 and Social*

Networking Tools in the K-12 Classroom features a companion Web site that provides the most current curriculum examples from pioneering educators around the world, as well as up-to-date exercises and lessons in subject areas and grade levels. ASP.Net has made the building of real world Web applications dramatically easier, by allowing great web pages to be built with far less code than the classic ASP program. David Mercer's: Programming The Web Using ASP.NET has been tailored for instructors at either a 2 year or 4 year institutions, who are teaching a full term course on ASP.NET. This textbook has been written by an expert in the field with the sole purpose of being used as a textbook not a trade book. The depth of coverage in this textbook provides tomorrow's web programmers the background they need to be marketable as web developers. This book introduces a research applications in Web intelligence. It presents a number of innovative proposals which will contribute to the development of web science and technology for the long-term future, rendering this work a valuable piece of knowledge. Michael Brooks takes on the new "Intellectual Dark Web." As the host of The Michael Brooks Show and co-host of the Majority Report, he lets his understanding of the new media environment direct his analysis of the newly risen conservative rebels who have taken YouTube by storm. Brooks provides a theoretically rigorous but accessible critique of the most prominent "renegades" including Sam Harris, Jordan Peterson, and Brett Weinstein while also examining the social, political and media environment that these rebels thrive in. 'A brilliant critique of the Right with very sharp insight on some of the shortcomings of the Left, this book is a must-read for anyone looking to understand how dishonest actors spread their propaganda.' Ana Kasparian, Host and Executive Producer of The Young Turks Even though nearly every K-12 public school in the United States has broadband Internet access, the Web's vast potential as a teaching and learning tool has still not been realized. Web-based learning

opportunities have been expensive, slow to develop, and time-consuming to implement, despite pressure on schools to adopt technology solutions that will cure their educational ills. *Web-Based Learning in K-12 Classrooms: Opportunities and Challenges* chronicles the up and downs of online learning and offers unique insights into its future, providing a comprehensive, curriculum-wide treatment of K-12 content areas (reading, science, mathematics, social studies), special education, counseling, virtual schools, exemplary schools, implementation issues, and educational Web sites. "Covering the impact of domestic and international Internet abuse on individuals, groups, organizations, and societies, this research-based book focuses on the phenomenon of Internet abuse and its consequences for an increasingly technology-driven world. Online shopping, Internet gambling, telecommuting, and e-business practices are discussed with emphases on workplace behaviors and abuses. Web management techniques and legal risks are addressed to provide solutions and policing strategies." This volume contains the lecture notes of the 10th Reasoning Web Summer School 2014, held in Athens, Greece, in September 2014. In 2014, the lecture program of the Reasoning Web introduces students to recent advances in big data aspects of semantic web and linked data, and the fundamentals of reasoning techniques that can be used to tackle big data applications. Web designers are no longer just web designers. To create a successful web product that's as large as Etsy, Facebook, Twitter, or Pinterest—or even as small as a tiny app—you need to know more than just HTML and CSS. You need to understand how to create meaningful online experiences so that users want to come back again and again. In other words, you have to stop thinking like a web designer or a visual designer or a UX designer or an interaction designer and start thinking like a product designer. In this breakthrough introduction to modern product design, Etsy Creative Director Randy Hunt explains the skills, processes, types of tools, and recommended workflows for

creating world-class web products. After reading this book, you'll have a complete understanding of what product design really is and you'll be equipped with the best practices necessary for building your own successful online products. This book covers the basics of PHP and MySQL along with introductions to advanced topics including object-oriented programming and how to build Web sites that incorporate authentication and security. After you complete this course, you will be able to use PHP and MySQL to build professional quality, database-driven Web sites.

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**FROM CONSTANT CRISIS TO SUSTAINABLE SUCCESS
BETTER CONTENT MEANS BETTER BUSINESS.**

Your content is a mess: the website redesigns didn't help, and the new CMS just made things worse. Or, maybe your content is full of potential: you know new revenue and cost-savings opportunities exist, but you're not sure where to start. How can you realize the value of content while planning for its long-term success? For organizations all over the world, *Content Strategy for the Web* is the go-to content strategy handbook. Read it to: Understand content strategy and its business value Discover the processes and people behind a successful content strategy Make smarter, achievable decisions about what content to create and how Find out how to build a business case for content strategy With all-new chapters, updated material, case studies, and more, the second edition of *Content Strategy for the Web* is an essential guide for anyone who works with content.

Managing the Web of Things: Linking the Real World to the Web presents a consolidated and holistic coverage of engineering, management, and analytics of the Internet of Things. The web has gone through many transformations, from traditional linking and sharing of computers and documents (i.e., Web of Data), to the current connection of people (i.e., Web of People), and to the emerging connection of billions of physical objects (i.e., Web of Things).

With increasing numbers of electronic devices and systems providing different services to people, Web of Things applications present numerous challenges to research institutions, companies, governments, international organizations, and others. This book compiles the newest developments and advances in the area of the Web of Things, ranging from modeling, searching, and data analytics, to software building, applications, and social impact. Its coverage will enable effective exploration, understanding, assessment, comparison, and the selection of WoT models, languages, techniques, platforms, and tools. Readers will gain an up-to-date understanding of the Web of Things systems that accelerates their research. Offers a comprehensive and systematic presentation of the methodologies, technologies, and applications that enable efficient and effective management of the Internet of Things Provides an in-depth analysis on the state-of-the-art Web of Things modeling and searching technologies, including how to collect, clean, and analyze data generated by the Web of Things Covers system design and software building principles, with discussions and explorations of social impact for the Web of Things through real-world applications Acts as an ideal reference or recommended text for graduate courses in cloud computing, service computing, and more Is anonymity a crucial safeguard—or a threat to society? “One of the most well-informed examinations of the Internet available today” (Kirkus Reviews). “The author explores the rich history of anonymity in politics, literature and culture, while also debunking the notion that only troublemakers fear revealing their identities to the world. In relatively few pages, the author is able to get at the heart of identity itself . . . Stryker also introduces the uninitiated into the ‘Deep Web,’ alternative currencies and even the nascent stages of a kind of parallel Web that exists beyond the power of governments to switch it off. Beyond even that is the fundamental question of whether or not absolute anonymity is even possible.” —Kirkus Reviews “Stryker explains how significant web

anonymity is to those key companies who mine user data personal information of, for example, the millions of members on social networks. . . . An impassioned, rational defense of web anonymity and digital free expression.” —Publishers Weekly An intriguing portrait of the Hong Kong-born Eurasian community for those to with a general or personal interest. A little spider unexpectedly gets carried home from a tree farm in the holiday Christmas tree. The little spider finds himself in a strange new home but shortly becomes comfortable in it and full of questions about the holiday called Christmas. The spider also realizes that he is all alone and he wonders about how he will grow up. In the days before Christmas he watches a family prepare for a holiday he knows little about. He learns by listening and by being patient. He learns new words that eventually all come together to help him understand the holiday called Christmas. The illustrations are done by the author and enrich the captured imagination created by the written words of the story. Part manifesto, part autobiography, part self-help roadmap, *Trapped In The Web* is a concise, essential guide to porn and social media addiction written for young adults and anyone else suffering at the hands of the Internet. Summary A hands-on guide that will teach how to design and implement scalable, flexible, and open IoT solutions using web technologies. This book focuses on providing the right balance of theory, code samples, and practical examples to enable you to successfully connect all sorts of devices to the web and to expose their services and data over REST APIs. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Because the Internet of Things is still new, there is no universal application protocol. Fortunately, the IoT can take advantage of the web, where IoT protocols connect applications thanks to universal and open APIs. About the Book *Building the Web of Things* is a guide to using cutting-edge web technologies to build the IoT. This step-by-step book teaches you how to use web protocols to connect

real-world devices to the web, including the Semantic and Social Webs. Along the way you'll gain vital concepts as you follow instructions for making Web of Things devices. By the end, you'll have the practical skills you need to implement your own web-connected products and services.

What's Inside

- Introduction to IoT protocols and devices
- Connect electronic actuators and sensors (GPIO) to a Raspberry Pi
- Implement standard REST and Pub/Sub APIs with Node.js on embedded systems
- Learn about IoT protocols like MQTT and CoAP and integrate them to the Web of Things
- Use the Semantic Web (JSON-LD, RDFa, etc.) to discover and find Web Things
- Share Things via Social Networks to create the Social Web of Things
- Build a web-based smart home with HTTP and WebSocket
- Compose physical mashups with EVRYTHNG, Node-RED, and IFTTT

About the Reader

For both seasoned programmers and those with only basic programming skills.

About the Authors

Dominique Guinard and Vlad Trifa pioneered the Web of Things and cofounded EVRYTHNG, a large-scale IoT cloud powering billions of Web Things.

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PART 2 BUILDING THE WOT

- Access: Web APIs for Things
- Implementing Web Things
- Find: Describe and discover Web Things
- Share: Securing and sharing Web Things

Discusses the origins and evolution of the Web, offers insights into the current state of the Web, and shares a blueprint for the future

Web mining has become a popular area of research, integrating the different research areas of data mining and the World Wide Web.

According to the taxonomy of Web mining, there are three sub-fields of Web-mining research: Web usage mining, Web content mining and Web structure mining. These three research fields cover most content and activities on the Web. With the rapid growth of the World Wide Web, Web mining has become a hot

topic and is now part of the mainstream of Web - search, such as Web information systems and Web intelligence. Among all of the possible applications in Web research, e-commerce and e-services have been identified as important domains for Web-mining techniques. Web-mining techniques also play an important role in e-commerce and e-services, proving to be useful tools for understanding how e-commerce and e-service Web sites and services are used, enabling the provision of better services for customers and users. Thus, this book will focus upon Web-mining applications in e-commerce and e-services. Some chapters in this book are extended from the papers that presented in WMEE 2008 (the 2nd International Workshop for E-commerce and E-services). In addition, we also sent invitations to researchers that are famous in this research area to contribute for this book. The chapters of this book are introduced as follows: In chapter 1, Peter I.

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