Modern Web Development With Ibm Websphere Developing Deploying And Managing Le And Multi Platform Apps Ibm Press

Visual Design for the Modern WebBIRTThe Development of Modern PhilosophyWho Knew You Could Do that with RPG IVModern Web Development with IBM WebsphereGetting Started with IBM API Connect: Scenarios GuideThe New Language of BusinessCustomizing and Extending IBM Content NavigatorModernizing IBM i Applications from the Database up to the User Interface and Everything in BetweenSecurity in Development: The IBM Secure Engineering FrameworkIBM Systems JournalWeb Scraping with PythonThe Journey Continues: From Data Lake to Data-Driven OrganizationEssentials of Application Development on IBM CloudSocial Media AnalyticsNode Web Development, Second EditionHandbook of Research on Modern Systems Analysis and Design Technologies and ApplicationsModern JavaScript Web Development CookbookThe InterfaceConsumer Behavior, Organizational Development, and Electronic Commerce: Emerging Issues for Advancing Modern SocioeconomiesWeb TechnologiesEnterprise Class Mobile Application DevelopmentMaking the World Work BetterBuilding Integrated Websites with IBM Digital ExperienceWho Knew You Could Do That With Rpg Iv? a Sorcerer's Guide to System Access and MoreWS-BPEL 2.0 for SOA Composite Applications with IBM WebSphere 7Rational Application Developer V7 Programming GuideRational Application Developer for WebSphere Software V8 Programming GuideLeveraging the IBM BPM Coach Framework in Your OrganizationWeb Portal Design, Implementation, Integration, and OptimizationAccelerating Modernization with Agile IntegrationApplication Development for IBM CICS Web ServicesPersistence in the EnterpriseJacquard's WebIBM CICS and Liberty: What You Need to KnowModern ManagementIBM Journal of Research and DevelopmentArchitect's Guide to IBM CICS on System zDeliver Modern UI for IBM BPM with the Coach Framework and Other ApproachesIBM Framework for E-Business

Visual Design for the Modern Web

"This book provides a compendium of terms, definitions, and explanations of concepts in various areas of systems and design, as well as a vast collection of cutting-edge research articles from the field's leading experts"--Provided by publisher.

BIRT

The Development of Modern Philosophy

The organization pursuing digital transformation must embrace new ways to use and deploy integration technologies, so they can move quickly in a manner appropriate to the goals of multicloud, decentralization, and microservices. The integration layer must transform to allow organizations to move boldly in building new customer experiences, rather than forcing models for architecture and

development that pull away from maximizing the organization's productivity. Many organizations have started embracing agile application techniques, such as microservice architecture, and are now seeing the benefits of that shift. This approach complements and accelerates an enterprise's API strategy. Businesses should also seek to use this approach to modernize their existing integration and messaging infrastructure to achieve more effective ways to manage and operate their integration services in their private or public cloud. This IBM® Redbooks® publication explores the merits of what we refer to as agile integration; a container-based, decentralized, and microservice-aligned approach for integration solutions that meets the demands of agility, scalability, and resilience required by digital transformation. It also discusses how the IBM Cloud Pak for Integration marks a significant leap forward in integration technology by embracing both a cloud-native approach and container technology to achieve the goals of agile integration. The target audiences for this book are cloud integration architects, IT specialists, and application developers.

Who Knew You Could Do that with RPG IV

This IBM® Redbooks® publication is designed to teach university students and app developers the foundation skills that are required to develop, test, and deploy cloud-based applications on IBM Cloud. It shows the latest features of IBM Cloud for developing cloud applications, enhancing applications by using managed services, and the use of DevOps services to manage applications. This book is used as presentations guide for the IBM Skills Academy track Cloud Application Developer and as preparation material for the IBM professional certification exam IBM Certified Application Developer - Cloud Platform. The primary target audience for this course is university students in undergraduate computer science and computer engineer programs with no previous experience working in cloud environments. However, anyone new to cloud computing or IBM Cloud can also benefit from this course.

Modern Web Development with IBM Websphere

Web Portal Design, Implementation, Integration, and Optimization discusses the challenges faced in building web services and integrating applications in order to reach the successful benefits web portals bring to an organization. This collection of research aims to be a resource for researchers, developers, and industry practitioners involved in the technological, business, organizational and social dimensions of web portals.

Getting Started with IBM API Connect: Scenarios Guide

IBM® Rational® Application Developer for WebSphere® Software V8 is the full-function Eclipse 3.6 technology-based development platform for developing JavaTM Platform, Standard Edition Version 6 (Java SE 6) and Java Platform, Enterprise Edition Version 6 (Java EE 6) applications. Beyond this function, Rational Application Developer provides development tools for technologies, such as OSGi, Service Component Architecture (SCA), Web 2.0, and XML. It has a focus on applications to be deployed to IBM WebSphere Application Server and IBM

WebSphere Portal. Rational Application Developer provides integrated development tools for all development roles, including web developers, Java developers, business analysts, architects, and enterprise programmers. This IBM Redbooks® publication is a programming guide that highlights the features and tooling included with Rational Application Developer V8.0.1. Many of the chapters provide working examples that demonstrate how to use the tooling to develop applications and achieve the benefits of visual and rapid application development. This publication is an update of Rational Application Developer V7.5 Programming Guide, SG24-7672.

The New Language of Business

Transform Raw Social Media Data into Real Competitive Advantage There's real competitive advantage buried in today's deluge of social media data. If you know how to analyze it, you can increase your relevance to customers, establishing yourself as a trusted supplier in a cutthroat environment where consumers rely more than ever on "public opinion" about your products, services, and experiences. Social Media Analytics is the complete insider's guide for all executives and marketing analysts who want to answer mission-critical questions and maximize the business value of their social media data. Two leaders of IBM's pioneering Social Media Analysis Initiative offer thorough and practical coverage of the entire process: identifying the right unstructured data, analyzing it, and interpreting and acting on the knowledge you gain. Their expert guidance, practical tools, and detailed examples will help you learn more from all your social media conversations, and avoid pitfalls that can lead to costly mistakes. You'll learn how to: Focus on the questions that social media data can realistically answer Determine which information is actually useful to you—and which isn't Cleanse data to find and remove inaccuracies Create data models that accurately represent your data and lead to more useful answers Use historical data to validate hypotheses faster, so you don't waste time Identify trends and use them to improve predictions Drive value "on-the-fly" from real-time/ near-real-time and ad hoc analyses Analyze text, a.k.a. "data at rest" Recognize subtle interrelationships that impact business performance Improve the accuracy of your sentiment analyses Determine eminence, and distinguish "talkers" from true influencers Optimize decisions about marketing and advertising spend Whether you're a marketer, analyst, manager, or technologist, you'll learn how to use social media data to compete more effectively, respond more rapidly, predict more successfully…grow profits, and keep them growing.

Customizing and Extending IBM Content Navigator

There is now a direct, provable link between an organization's flexibility and business performance. To optimize flexibility, companies must achieve unprecedented levels of integration and automation of key processes and infrastructure, both internally and externally. At the same time, they must learn to manage their processes far more dynamically and responsively. They must become flex-pon-sive*. Until recently, technology stood in the way of achieving these goals. Thanks to the emergence of service oriented architecture (SOA), Web 2.0, and open standards, technology now enables companies to achieve those goals. In The New Language of Business, one of IBM's top SOA strategist

demonstrates how business leaders can use innovations in technology to drive dramatic process improvements and support accelerating change. Sandy Carter shows how to deconstruct your business into a "componentized" business model, then support that model with linked, repeatable IT services that can adapt quickly, easily, and economically. These techniques will help both IT professionals and business leaders reach new levels of operational excellence to deliver the market-focused innovations that matter most. Drive competitive advantage through Service Oriented Architecture Leverage the value of business process components and IT services Achieve one version of the truth—finally! Use information as a service to improve business insight and reduce risk Master SOA governance and the service lifecycle Manage IT infrastructure for business results, both short-term and long-term Start fast: choose from three winning approaches Get quick wins with business process management, collaboration or information Implement on demand: what works—and what doesn't Discover key success factors—and ten critical mistakes to avoid

Modernizing IBM i Applications from the Database up to the User Interface and Everything in Between

Security in Development: The IBM Secure Engineering Framework

IBM Systems Journal

With the technological advancement of mobile devices, social networking, and electronic services, Web technologies continues to play an ever-growing part of the global way of life, incorporated into cultural, economical, and organizational levels. Web Technologies: Concepts, Methodologies, Tools, and Applications (4 Volume) provides a comprehensive depiction of current and future trends in support of the evolution of Web information systems, Web applications, and the Internet. Through coverage of the latest models, concepts, and architectures, this multiple-volume reference supplies audiences with an authoritative source of information and direction for the further development of the Internet and Web-based phenomena.

Web Scraping with Python

The world-wide developer community has downloaded over three million copies of BIRT (Business Intelligence and Reporting Tools) from the Eclipse web site. Built on the open-source Eclipse platform, BIRT is a powerful reporting system that provides an end-to-end solution, from creating and deploying reports to integrating report capabilities in enterprise applications. The first in a two-book series about this exciting technology, BIRT, Second Edition: A Field Guide to Reporting is the authoritative guide to using BIRT Report Designer, the graphical tool that enables users of all levels to build reports, simple to sophisticated, without any programming. BIRT, Second Edition: A Field Guide to Reporting is an essential resource for users who want to create presentation quality reports from day one. The extensive examples, step-by-step instructions, and abundant illustrations help

new users develop their report design skills quickly. Power users can find the information they need to make the most of the product's rich set of features to build complex and compelling reports. By the time you finish this book, you learn the following and more Design effective business and corporate reports that convey information through images, charts, tables, and cross tabs Build reports using data from a variety of sources, including databases, XML documents, spreadsheets, and web services Enliven reports with interactive features, such as hyperlinks, Tooltips, and highlighting Create consistently styled reports and collaborate with other report designers through the use of templates and libraries of reusable elements Localize reports for an international audience This second edition, revised and expanded, adds updated examples and covers all the new and improved product features, including Cross tabs and OLAP cubes New chart types, including Gantt, bubble, tube, and cone charts Web services as a new data source New report output formats, including doc, ppt, xls, and PostScript The capability for reports to reference CSS Localization of report parameter and data values

The Journey Continues: From Data Lake to Data-Driven Organization

"This book offers readers a one-stop resource for contemporary issues, developments, and influences in e-commerce"--Provided by publisher.

Essentials of Application Development on IBM Cloud

IBM® Coach Framework is a key component of the IBM Business Process Manager (BPM) platform that enables custom user interfaces to be easily embedded within business process solutions. Developer tools enable process authors to rapidly create a compelling user experience (UI) that can be delivered to desktop and mobile devices. IBM Process Portal, used by business operations to access, execute, and manage tasks, is entirely coach-based and can easily be configured and styled. A corporate look and feel can be defined using a graphical theme editor and applied consistently across all process applications. The process federation capability enables business users to access and execute all their tasks using a single UI without being aware of the implementation or origin. Using Coach Framework, you can embed coach-based UI in other web applications, develop BPM UI using alternative UI technology, and create mobile applications for off-line working. This IBM Redbooks® publication explains how to fully benefit from the power of the Coach Framework. It focuses on the capabilities that Coach Framework delivers with IBM BPM version 8.5.7. The content of this document, though, is also pertinent to future versions of the application.

Social Media Analytics

IBM® CICS® Transaction Server (CICS TS) has been available in various guises for over 40 years, and continues to be one of the most widely used pieces of commercial software. This IBM Redbooks® publication helps application architects discover the value of CICS Transaction Server to their business. This book can help architects understand the value and capabilities of CICS Transaction Server and the CICS tools portfolio. The book also provides detailed guidance on the leading

practices for designing and integrating CICS applications within an enterprise, and the patterns and techniques you can use to create CICS systems that provide the qualities of service that your business requires.

Node Web Development, Second Edition

IBM® Rational® Application Developer for WebSphere® Software V7.0 (for short, Rational Application Developer) is the full function Eclipse 3.2 based development platform for developing JavaTM 2 Platform Standard Edition (J2SETM) and Java 2 Platform Enterprise Edition (J2EETM) applications with a focus on applications to be deployed to IBM WebSphere Application Server and IBM WebSphere Portal. Rational Application Developer provides integrated development tools for all development roles, including Web developers, Java developers, business analysts, architects, and enterprise programmers. Rational Application Developer is part of the IBM Rational Software Delivery Platform (SDP), which contains products in four life cycle categories: - Architecture management, which includes integrated development environments (Application Developer is here) - Change and release management - Process and portfolio management - Quality management This IBM Redbooks® publication is a programming guide that highlights the features and tooling included with Rational Application Developer V7.0. Many of the chapters provide working examples that demonstrate how to use the tooling to develop applications, as well as achieve the benefits of visual and rapid application development. This publication is an update of Rational Application Developer V6 Programming Guide, SG24-6449. This book consists of six parts: - Introduction to Rational Application Developer - Develop applications - Test and debug applications - Deploy and profile applications - Team development - Appendixes

Handbook of Research on Modern Systems Analysis and Design Technologies and Applications

IBM® has long been recognized as a leading provider of hardware, software, and services that are of the highest quality, reliability, function, and integrity. IBM products and services are used around the world by people and organizations with mission-critical demands for high performance, high stress tolerance, high availability, and high security. As a testament to this long-standing attention at IBM, demonstration of this attention to security can be traced back to the Integrity Statement for IBM mainframe software, which was originally published in 1973: IBM's long-term commitment to System Integrity is unique in the industry, and forms the basis of MVS (now IBM z/OS) industry leadership in system security. IBM MVS (now IBM z/OS) is designed to help you protect your system, data, transactions, and applications from accidental or malicious modification. This is one of the many reasons IBM 360 (now IBM Z) remains the industry's premier data server for mission-critical workloads. This commitment continues to apply to IBM's mainframe systems and is reiterated at the Server RACF General User's Guide web page. The IT market transformed in 40-plus years, and so have product development and information security practices. The IBM commitment to continuously improving product security remains a constant differentiator for the company. In this IBM RedguideTM publication, we describe secure engineering practices for software products. We offer a description of an end-to-end approach

to product development and delivery, with security considered. IBM is producing this IBM Redguide publication in the hope that interested parties (clients, other IT companies, academics, and others) can find these practices to be a useful example of the type of security practices that are increasingly a must-have for developing products and applications that run in the world's digital infrastructure. We also hope this publication can enrich our continued collaboration with others in the industry, standards bodies, government, and elsewhere, as we seek to learn and continuously refine our approach.

Modern JavaScript Web Development Cookbook

This IBM® Redbooks® publication focuses on developing Web service applications in IBM CICS®. It takes the broad view of developing and modernizing CICS applications for XML, Web services, SOAP, and SOA support, and lays out a reference architecture for developing these kinds of applications. We start by discussing Web services in general, then review how CICS implements Web services. We offer an overview of different development approaches: bottom-up, top-down, and meet-in-the-middle. We then look at how you would go about exposing a CICS application as a Web service provider, again looking at the different approaches. The book then steps through the process of creating a CICS Web service requester. We follow this by looking at CICS application aggregation (including 3270 applications) with IBM Rational® Application Developer for IBM System z® and how to implement CICS Web Services using CICS Cloud technology. The first part is concluded with hints and tips to help you when implementing this technology. Part two of this publication provides performance figures for a basic Web service. We investigate some common variables and examine their effects on the performance of CICS as both a requester and provider of Web services.

The Interface

This IBM RedguideTM publication looks back on the key decisions that made the data lake successful and looks forward to the future. It proposes that the metadata management and governance approaches developed for the data lake can be adopted more broadly to increase the value that an organization gets from its data. Delivering this broader vision, however, requires a new generation of data catalogs and governance tools built on open standards that are adopted by a multi-vendor ecosystem of data platforms and tools. Work is already underway to define and deliver this capability, and there are multiple ways to engage. This guide covers the reasons why this new capability is critical for modern businesses and how you can get value from it.

Consumer Behavior, Organizational Development, and Electronic Commerce: Emerging Issues for Advancing Modern Socioeconomies

Web Technologies

Presented in a simple, step-by-step format, this book is an introduction to web

development with Node.This book is for anybody looking for an alternative to the "P" languages (Perl, PHP, Python), or anyone looking for a new paradigm of server-side application development.The reader should have at least a rudimentary understanding of JavaScript and web application development.

Enterprise Class Mobile Application Development

Over 90 recipes to help you write clean code, solve common JavaScript problems, and work on popular use cases like SPAs, microservices, native mobile development with Node, React, React Native and Electron. Key Features Over 90 practical recipes to help you write clean and maintainable JavaScript codes with the latest ES8 Leverage the power of leading web frameworks like Node and React to build modern web apps Features comprehensive coverage of tools and techniques needed to create multi-platform apps with JavaScript Book Description JavaScript has evolved into a language that you can use on any platform. Modern JavaScript Web Development Cookbook is a perfect blend of solutions for traditional JavaScript development and modern areas that developers have lately been exploring with JavaScript. This comprehensive guide teaches you how to work with JavaScript on servers, browsers, mobile phones and desktops. You will start by exploring the new features of ES8. You will then move on to learning the use of ES8 on servers (with Node.js), with the objective of producing services and microservices and dealing with authentication and CORS. Once you get accustomed to ES8, you will learn to apply it to browsers using frameworks, such as React and Redux, which interact through Ajax with services. You will then understand the use of a modern framework to develop the UI. In addition to this, development for mobile devices with React Native will walk you through the benefits of creating native apps, both for Android and iOS. Finally, you'll be able to apply your new-found knowledge of server-side and client-side tools to develop applications with Electron. What you will learn Use the latest features of ES8 and learn new ways to code with JavaScript Develop server-side services and microservices with Node.js Learn to do unit testing and to debug your code Build client-side web applications using React and Redux Create native mobile applications for Android and iOS with React Native Write desktop applications with Electron Who this book is for This book is for developers who want to explore the latest JavaScript features, frameworks, and tools for building complete mobile, desktop and web apps, including server and client-side code. You are expected to have working knowledge of JavaScript to get the most out of this book.

Making the World Work Better

Just as great artists must understand their tools, great Web designers must understand the technology behind their art. In Visual Design for the Web, author Penny McIntire shows novice Web designers how to use their tools--including HTML, CSS, and JavaScript--in conjunction with the principles of aesthetics and usability to become masters of their craft. Chapters begin with explanations of the terminology and techniques of web structures, then demonstrate how to apply the rules of design to create beautiful sites. The book: Illustrates how fundamental principles of design apply to the web Includes charts, diagrams, and graphics to enhance learning and retention Covers site analysis, navigation, layout, color, graphics, typography and forms Demonstrates multiple techniques for getting just

the right look and feel for your web sites Focuses on the characteristics that make sites usable, engaging, and memorable

Building Integrated Websites with IBM Digital Experience

Define, model, implement, and monitor real-world BPEL 2.0 business processes with SOA-powered BPM for IBM WebSphere 7 with this book and eBook.

Who Knew You Could Do That With Rpg Iv? a Sorcerer's Guide to System Access and More

This IBM® Redbooks® publication, intended for architects, application developers, and system programmers, describes how to design and implement Java web-based applications in an IBM CICS® Liberty JVM server. This book is based on IBM CICS Transaction Server V5.3 (CICS TS) using the embedded IBM WebSphere® Application Server Liberty V8.5.5 technology. Liberty is an asset to your organization, whether you intend to extend existing enterprise services hosted in CICS, or develop new web-based applications supporting new lines of business. Fundamentally, Liberty is a composable, dynamic profile of IBM WebSphere Application Server that enables you to provision Java EE technology on a feature-by-feature basis. Liberty can be provisioned with as little as the HTTP transport and a servlet web container, or with the entire Java EE 6 Web Profile feature set depending on your application requirements. This publication includes a Technology Essentials section for architects and application developers to help understand the underlying technology, an Up-and-Running section for system programmers implementing the Liberty JVM server for the first time, and a set of real-life application development scenarios.

WS-BPEL 2.0 for SOA Composite Applications with IBM WebSphere 7

IBM® API Connect is an API management solution from IBM that offers capabilities to create, run, manage, and secure APIs and microservices. By using these capabilities, the full lifecycle of APIs for on-premises and cloud environments can be managed. This IBM RedpaperTM publication describes practical scenarios that show the API Connect capabilities for managing the full API life cycle, creating, running, securing, and managing the APIs. This Redpaper publication is targeted to users of an API Connect based API strategy, developers, IT architects, and technical evangelists. If you are not familiar with APIs or API Connect, we suggest that you read the Redpaper publication Getting Started with IBM API Connect: Concepts, Architecture and Strategy Guide, REDP-5349, before reading this publication.

Rational Application Developer V7 Programming Guide

Traces the 200-year evolution of the principles of Jacquard's knitting machines to the information revolution of the twentieth century and the desk-top computer of today. --From cover (p. 4).

Rational Application Developer for WebSphere Software V8

Programming Guide

This book provides a clear, concise, current, and comprehensive approach to the basic skills of business management. It presents traditional concepts, important contemporary issues, and timeless insights into applying management know-how—all toward the goal of achieving organizational success. Management: Adding Digital Focus. Managing: History and Current Thinking. Corporate Social Responsibility and Business Ethics. Management and Diversity. Meeting the Global Challenge. Principles of Planning. Making Decisions. Strategic Planning. Plans and Planning Tools. Fundamentals of Organizing. Responsibility, Authority, and Delegation. Managing Human Resources. Organizational Change and Stress. Fundamentals of Influencing and Communication. Leadership. Motivation. Groups, Teams, and Corporate Culture. Understanding People: Attitudes, Perception, and Learning. Principles of Controlling. Production Management and Control. Information and the Internet. Competitiveness: Quality and Innovation Management's Digital Dimension. For managers at all levels.

Leveraging the IBM BPM Coach Framework in Your Organization

The Definitive Guide to Today's Leading Persistence Technologies Persistence in the Enterprise is a unique, up-to-date, and objective guide to building the persistence layers of enterprise applications. Drawing on their extensive experience, five leading IBM® Web development experts carefully review the issues and tradeoffs associated with persistence in large-scale, business-critical applications. The authors offer a pragmatic, consistent comparison of each leading framework--both proprietary and open source. Writing for IT managers, architects, administrators, developers, and testers, the authors address a broad spectrum of issues, ranging from coding complexity and flexibility to scalability and licensing. In addition, they demonstrate each framework side by side, via a common example application. With their guidance, you'll learn how to define your persistence requirements, choose the most appropriate solutions, and build systems that maximize both performance and value. Coverage includes Taking an end-to-end application architecture view of persistence Understanding business drivers, IT requirements, and implementation issues Driving your persistence architecture via functional, nonfunctional, and domain requirements Modeling persistence domains Mapping domain models to relational databases Building a yardstick for comparing persistence frameworks and APIs Selecting the right persistence technologies for your applications Comparing JDBC™, Apache iBATIS, Hibernate Core, Apache OpenJPA, and pureQuery The companion web site includes sample code that implements the common example used throughout the technology evaluation chapters, 5-9. The IBM Press developerWorks® Series is a unique undertaking in which print books and the Web are mutually supportive. The publications in this series are complemented by resources on the developerWorks Web site on ibm.com. Icons throughout the book alert the reader to these valuable resources.

Web Portal Design, Implementation, Integration, and Optimization

Build and Deploy Mobile Business Apps That Smoothly Integrate with Enterprise IT For today's enterprises, mobile apps can have a truly transformational impact. However, to maximize their value, you can't build them in isolation. Your new mobile apps must reflect the revolutionary mobile paradigm and delight today's mobile users--but they must also integrate smoothly with existing systems and leverage previous generations of IT investment. In this guide, a team of IBM's leading experts show how to meet all these goals. Drawing on extensive experience with pioneering enterprise clients, they cover every facet of planning, building, integrating, and deploying mobile apps in large-scale production environments. You'll find proven advice and best practices for architecture, cloud integration, security, user experience, coding, testing, and much more. Each chapter can stand alone to help you solve specific real-world problems. Together, they help you establish a flow of DevOps activities and lifecycle processes fully optimized for enterprise mobility.

Accelerating Modernization with Agile Integration

In February 1956 the president of IBM, Thomas Watson Jr., hired the industrial designer and architect Eliot F. Noyes, charging him with reinventing IBM's corporate image, from stationery and curtains to products such as typewriters and computers and to laboratory and administration buildings. What followed—a story told in full for the first time in John Harwood's The Interface—remade IBM in a way that would also transform the relationships between design, computer science, and corporate culture. IBM's program assembled a cast of leading figures in American design: Noyes, Charles Eames, Paul Rand, George Nelson, and Edgar Kaufmann Jr. The Interface offers a detailed account of the key role these designers played in shaping both the computer and the multinational corporation. Harwood describes a surprising inverse effect: the influence of computer and corporation on the theory and practice of design. Here we see how, in the period stretching from the "invention" of the computer during World War II to the appearance of the personal computer in the mid-1970s, disciplines once well outside the realm of architectural design—information and management theory, cybernetics, ergonomics, computer science—became integral aspects of design. As the first critical history of the industrial design of the computer, of Eliot Noyes's career, and of some of the most important work of the Office of Charles and Ray Eames, The Interface supplies a crucial chapter in the story of architecture and design in postwar America—and an invaluable perspective on the computer and corporate cultures of today.

Application Development for IBM CICS Web Services

Persistence in the Enterprise

Thomas J Watson Sr's motto for IBM was THINK, and for more than a century, that one little word worked overtime. In Making the World Work Better: The Ideas That Shaped a Century and a Company , journalists Kevin Maney, Steve Hamm, and Jeffrey M. O'Brien mark the Centennial of IBM's founding by examining how IBM has distinctly contributed to the evolution of technology and the modern corporation over the past 100 years. The authors offer a fresh analysis through

interviews of many key figures, chronicling the Nobel Prize-winning work of the company's research laboratories and uncovering rich archival material, including hundreds of vintage photographs and drawings. The book recounts the company's missteps, as well as its successes. It captures moments of high drama – from the bet-the-business gamble on the legendary System/360 in the 1960s to the turnaround from the company's near-death experience in the early 1990s. The authors have shaped a narrative of discoveries, struggles, individual insights and lasting impact on technology, business and society. Taken together, their essays reveal a distinctive mindset and organizational culture, animated by a deeply held commitment to the hard work of progress. IBM engineers and scientists invented many of the building blocks of modern information technology, including the memory chip, the disk drive, the scanning tunneling microscope (essential to nanotechnology) and even new fields of mathematics. IBM brought the punch-card tabulator, the mainframe and the personal computer into the mainstream of business and modern life. IBM was the first large American company to pay all employees salaries rather than hourly wages, an early champion of hiring women and minorities and a pioneer of new approaches to doing business--with its model of the globally integrated enterprise. And it has had a lasting impact on the course of society from enabling the US Social Security System, to the space program, to airline reservations, modern banking and retail, to many of the ways our world today works. The lessons for all businesses – indeed, all institutions – are powerful: To survive and succeed over a long period, you have to anticipate change and to be willing and able to continually transform. But while change happens, progress is deliberate. IBM – deliberately led by a pioneering culture and grounded in a set of core ideas – came into being, grew, thrived, nearly died, transformed itself… and is now charting a new path forward for its second century toward a perhaps surprising future on a planetary scale.

Jacquard's Web

This IBM® Redbooks® publication is focused on melding industry preferred practices with the unique needs of the IBM i community and providing a holistic view of modernization. This book covers key trends for application structure, user interface, data access, and the database. Modernization is a broad term when applied to applications. It is more than a single event. It is a sequence of actions. But even more, it is a process of rethinking how to approach the creation and maintenance of applications. There are tangible deliveries when it comes to modernization, the most notable being a modern user interface (UI), such as a web browser or being able to access applications from a mobile device. The UI, however, is only the beginning. There are many more aspects to modernization. Using modern tools and methodologies can significantly improve productivity and reduce long-term cost while positioning applications for the next decade. It is time to put the past away. Tools and methodologies have undergone significant transformation, improving functionality, usability, and productivity. This is true of the plethora of IBM tools and the wealth of tools available from many Independent Solution Providers (ISVs). This publication is the result of work that was done by IBM, industry experts, and by representatives from many of the ISV Tool Providers. Some of their tools are referenced in the book. In addition to reviewing technologies based on context, there is an explanation of why modernization is important and a description of the business benefits of investing in modernization.

This critical information is key for line-of-business executives who want to understand the benefits of a modernization project. This book is appropriate for CIOs, architects, developers, and business leaders. Related information Making the Case for Modernization, IBM Systems Magazine

IBM CICS and Liberty: What You Need to Know

Online resources also available to purchasers.

Modern Management

IBM® Content Navigator provides a unified user interface for your Enterprise Content Management (ECM) solutions. It also provides a robust development platform so you can build customized user interface and applications to deliver value and an intelligent, business-centric experience. This IBM Redbooks® publication guides you through the Content Navigator platform, its architecture, and the available programming interfaces. It describes how you can configure and customize the user interface with the administration tools provided, and how you can customize and extend Content Navigator using available development options with sample code. Specifically, the book shows how to set up a development environment, and develop plug-ins that add an action, service, and feature to the user interface. Customization topics include implementing request and response filters, external data services (EDS), creating custom step processors, and using Content Navigator widgets in other applications. This book also covers mobile development, viewer customization, component deployment, and debugging and troubleshooting. This book is intended for IT architects, application designers and developers working with IBM Content Navigator and IBM ECM products. It offers a high-level description of how to extend and customize IBM Content Navigator and also more technical details of how to do implementations with sample code.

IBM Journal of Research and Development

Learn web scraping and crawling techniques to access unlimited data from any web source in any format. With this practical guide, you'll learn how to use Python scripts and web APIs to gather and process data from thousands—or even millions—of web pages at once. Ideal for programmers, security professionals, and web administrators familiar with Python, this book not only teaches basic web scraping mechanics, but also delves into more advanced topics, such as analyzing raw data or using scrapers for frontend website testing. Code samples are available to help you understand the concepts in practice. Learn how to parse complicated HTML pages Traverse multiple pages and sites Get a general overview of APIs and how they work Learn several methods for storing the data you scrape Download, read, and extract data from documents Use tools and techniques to clean badly formatted data Read and write natural languages Crawl through forms and logins Understand how to scrape JavaScript Learn image processing and text recognition

Architect's Guide to IBM CICS on System z

Deliver Modern UI for IBM BPM with the Coach Framework and Other Approaches

A digital experience is a personalized experience that provides employees, customers, business partners, and citizens with a single point of interaction with people, content, and applications anywhere, anytime, and from any device. The IBM® Digital Experience is a platform that is used to build powerful contextual websites. The strengths of the platform include the ability to mix applications and web content into a coherent user experience. Developers can build upon a prescriptive standard to build reusable building bricks, which can be used by line-of-business (LOB) users in a flexible way. LOB users can assemble pages from these building bricks and from rich web content. The page creation is performed inline by easy drag-and-drop operations without requiring sophisticated IT skills. This IBM Redbooks® publication describes how a team can build a website starting from a new installation of Digital Experience. The book provides examples of the basic tasks that are needed to get started with building a proof-of-concept (PoC) website example. The resulting example website illustrates the value and key capabilities of the Digital Experience suite, featuring IBM WebSphere® Portal and IBM Web Content Management. The target audiences for this book include the following groups: Decision makers and solution architects considering Digital Experience as a platform for their internal or external facing website. Developers who are tasked to implement a PoC and must be enabled to start quickly and efficiently, which includes the integration of existing back-end systems. A wide range of IBM services and sales professionals who are involved in selling IBM software and designing client solutions that include Digital Experience.

IBM Framework for E-Business

The IBM® Coach Framework is a key element of the IBM Business Process Manager (BPM) product suite. With the Coach Framework, process authors can create and maintain custom web-based user interfaces that are embedded within their business process solutions. This ability to create and maintain custom user interfaces is a key factor in the successful deployment of business process solutions. Coaches have proven to be an extremely powerful element of IBM BPM solutions, and with the release of IBM BPM version 8.0 they were rejuvenated to incorporate the recent advances in browser-based user interfaces. This IBM Redbooks® publication focuses on the capabilities that Coach Framework delivers with IBM BPM version 8.5, but much of what is shared in these pages continues to be of value as IBM evolves coaches in the future. This book has been produced to help you fully benefit from the power of the Coach Framework.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION