Velocity Template User Guide

What is this book about? The results of using J2EE in practice are often disappointing: applications are often slow, unduly complex, and take too long to develop. Rod Johnson believes that the problem lies not in J2EE itself, but in that it is often used badly. Many J2EE publications advocate approaches that, while fine in theory, often fail in reality, or deliver no real business value. Expert One-on-One: J2EE Design and Development aims to demystify J2EE development. Using a practical focus, it shows how to use J2EE technologies to reduce, rather than increase, complexity. Rod draws on his experience of designing successful high-volume J2EE applications and salvaging failing projects, as well as intimate knowledge of the J2EE specifications, to offer a real-world, how-to guide on how you too can make J2EE work in practice. It will help you to solve common problems with J2EE and avoid the expensive mistakes often made in J2EE projects. It will guide you through the complexity of the J2EE services and APIs to enable you to build the simplest possible solution, on time and on budget. Rod takes a practical, pragmatic approach, questioning J2EE orthodoxy where it has failed to deliver results in practice and instead suggesting effective, proven approaches. What does this book cover? In this book, you will learn When to use a distributed

architecture When and how to use EJB How to develop an efficient data access strategy How to design a clean and maintainable web interface How to design J2EE applications for performance Who is this book for? This book would be of value to most enterprise developers. Although some of the discussion (for example, on performance and scalability) would be most relevant to architects and lead developers, the practical focus would make it useful to anyone with some familiarity with J2EE. Because of the complete design-deployment coverage, a less advanced developer could work through the book along with a more introductory text, and successfully build and understand the sample application. This comprehensive coverage would also be useful to developers in smaller organisations, who might be called upon to fill several normally distinct roles. What is special about this book? Wondering what differentiates this book from others like it in the market? Take a look: It does not just discuss technology, but stress its practical application. The book is driven from the need to solve common tasks, rather than by the elements of J2EE. It discuss risks in J2EE development It takes the reader through the entire design, development and build process of a non-trivial application. This wouldn't be compressed into one or two chapters, like the Java Pet Store, but would be a realistic example comparable to the complexity of

applications readers would need to build. At each point in the design, alternative choices would be discussed. This would be important both where there's a real problem with the obvious alternative, and where the obvious alternatives are perhaps equally valid. It emphasizes the use of OO design and design patterns in J2EE, without becoming a theoretical book

Jakarta Tomcat is not only the most commonly used open source servlet engine today, it's become the de facto standard by which other servlet engines are measured. Powerful and flexible, it can be used as a stand-alone web server or in conjunction with another server, like Apache or IIS, to run servlets or JSPs. But mastery of Tomcat is not easy: because it's as complex as it is complete. Tomcat: The Definitive Guide answers vexing questions that users, administrators, and developers alike have been asking. This concise guide provides much needed information to help harness Tomcat's power and wealth of features.Tomcat: The Definitive Guide offers something for everyone who uses Tomcat. System and network administrators will find detailed instructions on installation, configuration, and maintenance. For users, it supplies insightful information on how to deploy Tomcat. And seasoned enterprise Java developers will have a complete reference to setting up, running, and using this powerful softwareThe book begins with an

introduction to the Tomcat server and includes an overview of the three types of server configurations: stand-alone, in-process, and out-of-process. The authors show how directories are laid out, cover the initial setup, and describe how to set the environment variables and modify the configuration files, concluding with common errors, problems, and solutions. In subsequent chapters, they cover: The server.xml configuration file Java Security manager Authentication schemes and Tomcat users The Secure Socket Layer (SSL) Tomcat JDBC Realms Installing servlets and Java Server Pages Integrating Tomcat with Apache Advanced Tomcat configuration and much more.Tomcat: The Definitive Guide covers all major platforms, including Windows, Solaris, Linux, and Mac OS X, contains details on Tomcat configuration files, and has a quick-start guide to get developers up and running with Java servlets and JavaServer Pages. If you've struggled with this powerful yet demanding technology in the past, this book will provide the answers you need.
This is the authoritative reference for understanding and using the NetBeans Integrated Development Environment for creating new software with Java. Contains a detailed tutorial.
Apache is far and away the most widely used web server platform in the world. This versatile server runs more than half of the world's existing web sites. Apache is both free and rock-solid, running more

than 21 million web sites ranging from huge e-commerce operations to corporate intranets and smaller hobby sites.With this new third edition of Apache: The Definitive Guide, web administrators new to Apache will come up to speed quickly, and experienced administrators will find the logically organized, concise reference sections indispensable, and system programmers interested in customizing their servers will rely on the chapters on the API and Apache modules.Updated to cover the changes in Apache's latest release, 2.0, as well as Apache 1.3, this useful guide discusses how to obtain, set up, secure, modify, and troubleshoot the Apache software on both Unix and Windows systems. Dozens of clearly written examples provide the answers to the real-world issues that Apache administrators face everyday. In addition to covering the installation and configuration of mod_perl and Tomcat, the book examines PHP, Cocoon, and other new technologies that are associated with the Apache web server. Additional coverage of security and the Apache 2.0 API make Apache: The Definitive Guide, Third Edition essential documentation for the world's most popular web server.

Get professional results fast with this full color guide to Cakewalk's popular Sonar software. Trev Wilkins provides you with a working knowledge of all the essential tools and features. This concise book is an

ideal starting point for anyone using Sonar for the first time and is suitable for users of both Studio and Producer Editions. All the key areas are covered, including: * set up * recording and editing audio * recording and editing MIDI * using plug-in instruments* using ReWire * the console view and routing * automation * working with video *mixing down and mastering. Updates on new features can be found at www.focaleasyguidetocakewalksonar.com One advantage of using JIRA for issue tracking, bug tracking, or project management is the ability to extend this tool with hundreds of plugins from the JIRA community. In this concise book, software toolsmith Matt Doar—the author of Practical JIRA Administration—shows you how to create and maintain your own JIRA plugins to meet the specific needs of a project. This book uses detailed examples to clarify some of the more confusing aspects of JIRA plugins, and serves as an ideal supplement to the extensive documentation already available. Use JIRA's Plugin SDK, and learn several aspects common to all plugins Create your own custom field type, using a JIRA plugin Delve into advanced aspects of custom field plugins, and discover how searching for values in custom fields works Create JIRA plugins to use with workflows, and learn about conditions, validators, and post-functions Store data using the PropertySet interface

and the Active Objects plugin Upgrade a plugin and upload it to Atlassian Plugin Exchange (PAC)
* Instructs the use of Struts to build MVC Web applications and simplify HTML form construction and validation * Provides information on using Object-RelationalBridge to cut down the amount of data-access code necessary to be written and maintained * Teaches how to use Lucene to incorporate search engine functionality into a Web application * Demonstrates how to use Velocity to cleanly separate presentation and Java Code
Thermochronology, the study of the thermal history of rocks, enables us to quantify the nature and timing of tectonic processes. First published in 2006, Quantitative Thermochronology is a robust review of isotopic ages, and presents a range of numerical modeling techniques to allow the physical implications of isotopic age data to be explored. The authors provide analytical, semi-analytical and numerical solutions to the heat transfer equation in a range of tectonic settings and under varying boundary conditions. They then illustrate their modeling approach built around a large number of case studies. The benefits of different thermochronological techniques are also described. Computer programs on an accompanying website at www.cambridge.org/9781107407152 are introduced through the text and provide a means of solving the heat transport equation in the deforming Earth to predict the ages of rocks and compare them directly to geological and geochronological data. Several short tutorials, with hints and solutions, are also included.

For too long, developers have worked on disorganized application projects, where every part seemed to have its own build system, and no common repository existed for information about the state of the project. Now there's help. The long-awaited official documentation to Maven is here. Written by Maven creator Jason Van Zyl and his team at Sonatype, Maven: The Definitive Guide clearly explains how this tool can bring order to your software development projects. Maven is largely replacing Ant as the build tool of choice for large open source Java projects because, unlike Ant, Maven is also a project management tool that can run reports, generate a project website, and facilitate communication among members of a working team. To use Maven, everything you need to know is in this guide. The first part demonstrates the tool's capabilities through the development, from ideation to deployment, of several sample applications -- a simple software development project, a simple web application, a multi-module project, and a multi-module enterprise project. The second part offers a complete reference guide that includes: The POM and Project Relationships The Build Lifecycle Plugins Project website generation Advanced site generation Reporting Properties Build Profiles The Maven Repository Team Collaboration Writing Plugins IDEs such as Eclipse, IntelliJ, ands NetBeans Using and creating assemblies Developing with Maven Archetypes Several sources for Maven have appeared online for some time, but nothing served as an introduction and comprehensive reference guide to this tool -- until now. Maven: The Definitive Guide is the ideal book to help you manage development projects for

software, web applications, and enterprise applications. And it comes straight from the source.
This IBM® Redbooks® publication describes how IBM PureApplicationTM System supports the creation of virtual systems and virtual applications. PureApplication System does so using a pattern model that enables you to take advantage of predefined, pre-configured, and proven middleware topologies and deployments. This book also presents an abstraction level that focuses on functional capabilities and applications, completely encapsulating the underlying middleware. It describes in detail the model and the associated frameworks in PureApplication System, as well as a methodology and approach toward designing and implementing a custom pattern model. This book shows concrete implementation examples that you can use when creating your own pattern model, paired with a collection of leading practices. This IBM Redbooks publication gives critical guidance to, and serves as a reference for, independent software vendors (ISVs) who want to create patterns for their packaged applications on PureApplication System. Clients who want to extend and enhance their existing patterns can also use this book.
The Liferay Portal Administrator's Guide is your complete guide to installing, integrating, configuring, and maintaining a Liferay Portal server. This comprehensive guide will show you how to bring up a Liferay Portal server and keep it running. From installing a bundle to configuring a Liferay cluster, every aspect of running Liferay Portal is covered.
Use PyCharm with fluid efficiency to write idiomatic

python code About This Book Understand how PyCharm works and how you can leverage its strength to develop applications quickly Master PyCharm's editor to get a fast workflow Full of examples and illustrations that focus on the practical aspects of using PyCharm Who This Book Is For If you know PyCharm but want to understand it better and leverage its more powerful but less obvious tool set, this is the book for you. Serving as a launch pad for those who want to master PyCharm and completely harness its best features, it would be helpful if you were familiar with some of Python's most prominent tools such as virtualenv and Python's popular docstring formats such as reStructuredText and EpyType. What You Will Learn Understand the internal workings of the IntelliJ Platform Leverage PyCharm's powerful search tools, and learn which ones are the best for you and your workflow Customize PyCharm's enhanced Python interpreter and its inbuilt terminal Develop web applications quickly and easily with different frameworks such as Flask and Django Understand how code completion works in PyCharm for Python and JavaScript In Detail PyCharm is addictive, with powerful and configurable code completion, superb editing tools, top-notch support, diverse plugins, and a vibrant ecosystem to boot. Learning how PyCharm works and maximising the synergy of its powerful tools will help you to rapidly develop applications. From leveraging the power of the editor to understanding PyCharm's internals, this book will give you a comprehensive view of PyCharm and allow you to make your own choices about which workflow and tools are best for you. You will start by

getting comfortable with PyCharm and making it look exactly like you want. You can customize the tools and taskbars to suit individual developers' coding styles. You also learn how to assign keyboard shortcuts. You will master debugging by inserting breakpoints, collecting runtime data, and debugging from the console. You will understand how PyCharm works underneath and how plugins such as Codemap, Vim, Bitbucket, Assets compressor, markdown, bash file, shortcut translator, and .gitignore leverage the power of the IntelliJ platform. You will become comfortable using the VCS interface in PyCharm and see the benefits of using it for some simple tasks as well as some more complex tasks such as partial commits using changelists. You will take an in-depth look at the various tools in PyCharm, improving your workflow drastically. Finally, you will deploy powerful PyCharm tools for Django, Flask, GAE, and Pyramid Development, becoming well acquainted with PyCharm's toolset for web development with popular platforms. Packed with insider tricks, this book will help you boost productivity with PyCharm. Style and approach An easy-to-follow guide with plenty of examples and screenshots. Each topic starts off with the goal of enhancing or changing a part of PyCharm to make it suit your needs.

This book provides a coherent overview of the most important modelling-related security techniques available today, and demonstrates how to combine them. Further, it describes an integrated set of systematic practices that can be used to achieve

increased security for software from the outset, and combines practical ways of working with practical ways of distilling, managing, and making security knowledge operational. The book addresses three main topics: (1) security requirements engineering, including security risk management, major activities, asset identification, security risk analysis and defining security requirements; (2) secure software system modelling, including modelling of context and protected assets, security risks, and decisions regarding security risk treatment using various modelling languages; and (3) secure system development, including effective approaches, pattern-driven development, and model-driven security. The primary target audience of this book is graduate students studying cyber security, software engineering and system security engineering. The book will also benefit practitioners interested in learning about the need to consider the decisions behind secure software systems. Overall it offers the ideal basis for educating future generations of security experts.

The Spring Framework is a major open source application development framework that makes Java/J2EE(TM) development easier and more productive. This book shows you not only what Spring can do but why, explaining its functionality and motivation to help you use all parts of the framework to develop successful applications. You

will be guided through all the Spring features and see how they form a coherent whole. In turn, this will help you understand the rationale for Spring's approach, when to use Spring, and how to follow best practices. All this is illustrated with a complete sample application. When you finish the book, you will be well equipped to use Spring effectively in everything from simple Web applications to complex enterprise applications. What you will learn from this book * The core Inversion of Control container and the concept of Dependency Injection * Spring's Aspect Oriented Programming (AOP) framework and why AOP is important in J2EE development * How to use Spring's programmatic and declarative transaction management services effectively * Ways to access data using Spring's JDBC functionality, iBATIS SQL Maps, Hibernate, and other O/R mapping frameworks * Spring services for accessing and implementing EJBs * Spring's remoting framework Who this book is for This book is for Java/J2EE architects and developers who want to gain a deeper knowledge of the Spring Framework and use it effectively. Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education

in new technologies, all designed to help programmers do a better job.

There are multiple uses for big data in every industry—from analyzing larger volumes of data than was previously possible to driving more precise answers, to analyzing data at rest and data in motion to capture opportunities that were previously lost. A big data platform will enable your organization to tackle complex problems that previously could not be solved using traditional infrastructure. As the amount of data available to enterprises and other organizations dramatically increases, more and more companies are looking to turn this data into actionable information and intelligence in real time. Addressing these requirements requires applications that are able to analyze potentially enormous volumes and varieties of continuous data streams to provide decision makers with critical information almost instantaneously. IBM® InfoSphere® Streams provides a development platform and runtime environment where you can develop applications that ingest, filter, analyze, and correlate potentially massive volumes of continuous data streams based on defined, proven, and analytical rules that alert you to take appropriate action, all within an appropriate time frame for your organization. This IBM Redbooks® publication is written for decision-makers, consultants, IT architects, and IT professionals who will be implementing a solution

with IBM InfoSphere Streams.

IntelliJ IDEA (hereafter referred to as IntelliJ) is one of the most powerful and popular Integrated Development Environments (IDE) for Java. It was developed and is maintained by JetBrains, and is available in the community and ultimate edition. This feature-rich IDE enables rapid development and helps in improving code quality. This book starts with a basic introduction and slowly dives deep into the advanced features. This book is targeted at first-time learners, as well as moderate users of IntelliJ. Beginners will get a fair understanding of IntelliJ and its functioning, and others will be able to take their knowledge on this subject to the next level. This book requires that the readers have some preliminary knowledge of the software development process, along with Java programming language. In the later sections of this book, we will discuss integration with build tools, unit testing frameworks, debugger, profiling, version control system, and database. It is assumed that the required tools are installed and configured on the system and the reader is familiar with those tools.

This book explains relational theory in practice, and demonstrates through two projects how you can apply it to your use of MySQL and SQLite databases. This book covers the important requirements of teaching databases with a practical and progressive perspective. This book offers the

straightforward, practical answers you need to help you do your job. This hands-on tutorial/reference/guide to MySQL and SQLite is not only perfect for students and beginners, but it also works for experienced developers who aren't getting the most from both databases. In designing a GUI and as an IDE, you will make use Qt Designer. In the first chapter, you will learn to use several widgets in PyQt5: Display a welcome message; Use the Radio Button widget; Grouping radio buttons; Displays options in the form of a check box; and Display two groups of check boxes. In chapter two, you will learn to use the following topics: Using Signal / Slot Editor; Copy and place text from one Line Edit widget to another; Convert data types and make a simple calculator; Use the Spin Box widget; Use scrollbars and sliders; Using the Widget List; Select a number of list items from one Widget List and display them on another Widget List widget; Add items to the Widget List; Perform operations on the Widget List; Use the Combo Box widget; Displays data selected by the user from the Calendar Widget; Creating a hotel reservation application; and Display tabular data using Table Widgets. In chapter three, you will learn: How to create the initial three tables project in the School database: Teacher, Class, and Subject tables; How to create database configuration files; How to create a Python GUI for inserting and editing tables; How to create a Python GUI to join and query

the three tables. In chapter four, you will learn how to: Create a main form to connect all forms; Create a project will add three more tables to the school database: Student, Parent, and Tuition tables; Create a Python GUI for inserting and editing tables; Create a Python GUI to join and query over the three tables. In chapter five, you will join the six classes, Teacher, TClass, Subject, Student, Parent, and Tuition and make queries over those tables. In chapter six, you will create dan configure database. In this chapter, you will create Suspect table in crime database. This table has eleven columns: suspect_id (primary key), suspect_name, birth_date, case_date, report_date, suspect_ status, arrest_date, mother_name, address, telephone, and photo. You will also create GUI to display, edit, insert, and delete for this table. In chapter seven, you will create a table with the name Feature_Extraction, which has eight columns: feature_id (primary key), suspect_id (foreign key), feature1, feature2, feature3, feature4, feature5, and feature6. The six fields (except keys) will have VARBINARY(MAX) data type. You will also create GUI to display, edit, insert, and delete for this table. In chapter eight, you will create two tables, Police and Investigator. The Police table has six columns: police_id (primary key), province, city, address, telephone, and photo. The Investigator table has eight columns: investigator_id (primary key), investigator_name, rank, birth_date, gender,

address, telephone, and photo. You will also create GUI to display, edit, insert, and delete for both tables. In the last chapter, you will create two tables, Victim and Case_File. The Victim table has nine columns: victim_id (primary key), victim_name, crime_type, birth_date, crime_date, gender, address, telephone, and photo. The Case_File table has seven columns: case_file_id (primary key), suspect_id (foreign key), police_id (foreign key), investigator_id (foreign key), victim_id (foreign key), status, and description. You will create GUI to display, edit, insert, and delete for both tables. Your one-stop resource for mastering extensions and customizations in JIRA 7+ About This Book Explore the new features of JIRA 7 and best practices for agile development and integration with development tools Customize the look and feel of your JIRA UI to match your specific user needs Create seamless reports that make sense of your data through easy-to-use techniques Who This Book Is For If you are a JIRA developer or administrator, or a project manager who wants to fully exploit the exciting capabilities of JIRA, then this is the perfect book for you. What You Will Learn Create and deploy your own JIRA plugins Manipulate workflows to transform JIRA into a user-friendly system Create custom reports that show statistics for particular people, projects, versions, or other fields within issues Simplify reporting by writing your own JIRA

gadgets, which can be added into a user's dashboard Master database handling by extending and retrieving custom field details from the database Deal with custom fields on an issue and program custom field option In Detail JIRA provides issue and project tracking for software development teams to improve code quality and the speed of development. With the new version of JIRA, you can create your own JIRA plugins and customize the look and feel of your JIRA UI easier than ever. JIRA Development Cookbook , Third Edition, is a one-stop resource to master extensions and customizations in JIRA. This book starts with recipes about simplifying the plugin development process followed by recipes dedicated to the plugin framework. Then, you will move on to writing custom field plugins to create new field types or custom searchers. You will also learn how to program and customize workflows to transform JIRA into a user-friendly system. With so much data spanning different projects, issues, and so on, we will cover how to work on reports and gadgets to get customized data according to our needs. At the end of the book, you will learn how to customize JIRA by adding new tabs, menus, and web items; communicate with JIRA via the REST APIs; and work with the JIRA database. Style and approach The most unique aspect of this book is its approach. This book is recipe-based, with real-world examples, that will empower you to implement agile processes

and explore the exciting capabilities of Jira.

In defining the state of the art of E-Government, EGOV 2002 was aimed at breaking new ground in the development of innovative solutions in this impor tant field of the emerging Information Society. To promote this aim, the EGOV conference brought together professionals from all over the globe. In order to obtain a rich picture of the state of the art, the subject matter was dealt with in various ways: drawing experiences from case studies, investigating the outcome from projects, and discussing frameworks and guidelines. The large number of contributions and their breadth testify to a particularly vivid discussion, in which many new and fascinating strands are only beginning to emerge. This begs the question where we are heading in the field of E-Government. It is the intention of the introduction provided by the editors to concentrate the wealth of expertise presented into some statements about the future development of E-Government.

Here are the refereed proceedings of the EUC 2006 workshops, held in conjunction with the IFIP International Conference on Embedded and Ubiquitous Computing in Seoul, Korea, August 2006. The book presents 102 revised papers spanning six workshops: network-centric ubiquitous systems (NCUS 2006), security in ubiquitous computing systems (SecUbiq 2006), RFID and ubiquitous sensor networks (USN 2006), trustworthiness,

reliability and services in ubiquitous and sensor networks (TRUST 2006), embedded software optimization (ESO 2006), and multimedia solution and assurance in ubiquitous information systems (MSA 2006).

A comprehensive, step-by-step guide on how to set up, customize, and market your blog using Apache Roller.

The Code of Federal Regulations is the codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the Federal Government.

The J2EE developer's practical introduction and cookbook to cost saving software engineering solutions.

NSCA's Guide to High School Strength and Conditioning equips you to deliver the highest-quality strength and conditioning program in the high school setting--whether you are a strength and conditioning professional, physical education teacher, sport coach, or administrator.

Gives guidance on the installation and setting up of Reason on a PC or Mac. Fully compatible with the new version 2 .0. Also features a hands-on tutorial.

A comprehensive tutorial on how to use the power of Velocity 1.3 tobuild Web sites and generate content Designed to work hand-in-hand with Apache Turbine, Struts, andservlets, Velocity is a powerful template language that greatlyenhances the developer's ability to

customize Web sites. Itseparates Java code from the Web pages, making a site moremaintainable. Because of this, it is a viable alternative to JSPsand PHP and is expected to become the standard template engine. Inaddition to its use with Struts and Turbine, Velocity can also beused to generate Java and XML source code, XML schemas, HTMLtemplates, and SQL code. Even with all its promise, finding expert instructions on how toproperly program with this language has been difficult. Thiscode-intensive tutorial gives you all the tools you'll need. It begins by quickly bringing you up to speed on all of theVelocity fundamentals and the Velocity Template Language. You'llthen learn how to apply Velocity in a variety of areas with thehelp of richly detailed code examples. Additionally, you'll betaken through the steps of building a complete application in orderto see how you can utilize all of the techniques and technologiesdiscussed in the book. Covering the latest features of Velocity1.3, Mastering Apache Velocity shows you how to: * Build Java-based Web sites with Struts, servlets, Turbine, andother open-source tools * Generate a wide variety of Web content and code, including Java,XML, SQL, and Postgres Inhaltsangabe:Einleitung: In der Bachelor-Arbeit wird ein Vergleich der Prozessmodellierung mit CASE-Ansatz und der Prozessmodellierung mit MDA-Ansatz durchgeführt. Die Modellierung mit CASE-Ansatz erfolgt mit einem Plug-in für die Entwicklungsumgebung Eclipse. Dieses Plug-in von der Firma JBoss erzeugt während der grafischen Modellierung eine Prozessbeschreibung. Beim MDA-Ansatz erfolgt die

Modellierung auch mit einem CASE-Tool (MagicDraw). Die Prozessbeschreibung wird dann mittels AndroMDA [ANDROMDAH] generiert. Der Fokus dieser Arbeit liegt auf dem technischen Aspekt der Prozessmodellierung, sowie der Codegenerierung mittels AndroMDA. Um auf die Generierung von Prozessbeschreibungen durch AndroMDA eingehen zu können, ist es notwendig, den Aufbau und die Funktionsweise von AndroMDA, speziell der AndroMDA jBPM-Cartridge, zu beschreiben. Auf andere Codegeneratoren wird nicht eingegangen. Eine Gegenüberstellung einiger Codegeneratoren ist unter [CG] u finden. Gang der Untersuchung: Zu Beginn wird das Umfeld der Entstehung der Arbeit dargestellt und danach wird die Aufgabenstellung vorgestellt. In Kapitel 2 folgt eine kurze Einführung in die generative Softwareentwicklung. Dabei werden die Themen: Computer-Aided Software Engineering, Model Driven Architecture (MDA) und Model Driven Software Development (MDSD) behandelt. Um die Konzepte der Model Driven Architecture verstehen zu können, werden einige Standards der OMG vorgestellt (UML, MOF, XML, XMI). In Kapitel 2.2.2 werden die MDA-Konzepte dargestellt. Abgeschlossen wird der theoretische Teil der Arbeit mit einem Vergleich von MDA und MDSD. Im praktischen Teil wird der Aufbau und die Funktionsweise von AndroMDA, speziell der AndroMDA jBPM-Cartridge, beschrieben. Zuerst wird in Kapitel 3.3 das Vorgehen mit CASE-Ansatz erläutert. Die Prozessmodellierung erfolgt beim CASE-Ansatz mit einem Plug-in für die Entwicklungsumgebung Eclipse anhand eines einfachen Beispielprozesses (JBay). Der gleiche Beispielprozess

wird in Kapitel 3.4 verwendet, um den MDA-Ansatz darzustellen. Beim MDA-Ansatz erfolgt die Modellierung auch mit einem CASE-Tool (MagicDraw). Die Prozessbeschreibung wird dann aber mittels AndroMDA generiert. Der Aufbau des Quelltextgenerators AndroMDA wird in Kapitel 3.4.2 beschrieben. Besonders ausführlich wird auf die jBPM-Cartridge eingegangen, da mit ihr aus einem Prozessmodell eine Prozessbeschreibung generiert werden kann. In Kapitel 3.4.3 wird eine Einführung in die Velocity [...] Provides modern enterprises with the tools to create a robust digital platform utilizing proven best practices, practical models, and time-tested techniques Contemporary business organizations can either embrace the digital revolution or be left behind. Enterprise Content and Search Management for Building Digital Platforms provides modern enterprises with the necessary tools to create a robust digital platform utilizing proven best practices, practical models, and time-tested techniques to compete in today's digital world. Features include: Comprehensive discussions on content strategy, content key performance indicators (KPIs), mobile-¬first strategy, content assessment models, various practical techniques and methodologies successfully used in real-world digital programs, relevant case studies, and more. Initial chapters cover core concepts of a content management system (CMS), including content strategy, CMS architecture, templates, work flow, reference architectures, information architecture, taxonomy, and content metadata. Advanced CMS topics are then covered with chapters on

integration, content standards, digital asset management (DAM), document management, content migration, evaluation, validation, maintenance, analytics, search engine optimization (SEO), security, infrastructure, and performance. The basics of enterprise search technologies are explored next, including enterprise search features, advanced search methods, and other enterprise search concepts. An accompanying book support website provides additional material such as various content templates, checklists, and content case studies; along with an illuminating end-to-end digital program case study. Enterprise Content and Search Management for Building Digital Platforms: Offers a comprehensive guide to understanding and learning new methodologies, techniques, and models for the creation of an end-to-end digital system Addresses a wide variety of proven best practices, reference architecture, and deployed techniques in content management and enterprise search space which can be readily used for digital programs Covers the latest digital trends such as mobile-first strategy, responsive design, adaptive content design, micro services architecture, and semantic search; and also utilizes sample reference architecture for implementing solutions Features numerous case studies to enhance comprehension, including a complete end-to-end digital program case study Provides readily usable content management checklists and reusable templates for defining content strategy, CMS evaluation, search evaluation, and DAM evaluation that can be found on the book support website Comprehensive and cutting-edge, this book is an invaluable reference

resource for creating an optimal enterprise digital eco-system to meet the challenges of today's hyper-connected world.

The Liferay Portal Administrator's Guide is your complete guide to installing, integrating, configuring, and maintaining Liferay Portal. This comprehensive guide will show you how to install Liferay Portal, configure it for your use, and maintain your Liferay-powered site on a day-to-day basis. From installing a bundle to configuring a Liferay cluster, every aspect of running Liferay Portal is covered. This newly-updated guide is your roadmap to a successful implementation of Liferay Portal. Now covering Liferay Portal 5.1 and below, this book contains the information you need to keep your portal environment running smoothly.

Building web applications that are maintainable and extensible requires a significant amount of design and planning before even a single line of code can be written. However, by leveraging pre-written development frameworks, a development team can reduce the amount of time it takes to deploy an application, while at the same time promoting reuse. Traditionally, development frameworks required significant amounts of time and energy to implement. The alternative to implementing a framework was to purchase one, but this was often an expensive option that required a significant commitment to one software vendor.

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