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# **Developing With Delphi Object Oriented Techniques**

**Quickly learn and employ  
practical recipes for  
developing real-world,  
cross-platform  
applications using Delphi.  
Key Features Get to grips  
with Delphi to build and  
deploy various cross-  
platform applications  
Design and deploy real-  
world apps by implementing  
a single source codebase  
Build robust and optimized  
GUI applications with ease**

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**Book Description Delphi is a cross-platform integrated development environment (IDE) that supports rapid application development on different platforms, saving you the pain of wandering amid GUI widget details or having to tackle inter-platform incompatibilities. Delphi Cookbook begins with the basics of Delphi and gets you acquainted with JSON format strings, XSLT transformations, Unicode encodings, and various types of streams. You'll then move on to more advanced topics such as**

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developing higher-order functions and using enumerators and run-time type information (RTTI). As you make your way through the chapters, you'll understand Delphi RTL functions, use FireMonkey in a VCL application, and cover topics such as multithreading, using a parallel programming library and deploying Delphi on a server. You'll take a look at the new feature of WebBroker Apache modules, join the mobile revolution with FireMonkey, and learn to

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**build data-driven mobile user interfaces using the FireDAC database access framework. This book will also show you how to integrate your apps with Internet of Things (IoT). By the end of the book, you will have become proficient in Delphi by exploring its different aspects such as building cross-platforms and mobile applications, designing server-side programs, and integrating these programs with IoT. What you will learn Develop visually stunning applications using FireMonkey Deploy**

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to build a new generation  
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Borland Delphi 6  
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*Delphi is a new Windows software development environment from Borland. Released in 1995, it has quickly built up an excellent reputation as one of the best Windows software development tools. John Cowell shows how to program in Delphi using various tools. He provides lots of examples and illustrations and describes various database specific tools included with the Delphi package. The book shows how to use the Borland database engine along with other database formats (including Microsoft's Access). There are a number of chapters which cover the object-oriented aspects of Pascal, and advanced programming techniques such as drag-and-drop, DDE, OLE, and the creation of on-line help systems are also looked at. New*



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*users, as well as current Visual Basic users wanting to get up to speed on Delphi, will find this clear and informative book provides all the information they need to develop Windows applications quickly, competently, and easily.*

*This book mainly introduces the basic concepts, principles and applications of software engineering, including: software engineering overview, software requirements analysis, overall design, detailed design, software coding and testing, and software maintenance. Which focuses on the object-oriented development method. In the layout of this book, it focuses on the combination of theory and practice, uses case teaching mode, highlights practical links, and sets up task description, task analysis, knowledge preparation, task*

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*implementation, knowledge linking, expansion and improvement, operating skills, and project summary. This book can be used as a reference for software training and software developers.*

*This book provides a concise but comprehensive guide to the disciplines of database design, construction, implementation, and management. Based on the authors' professional experience in the software engineering and IT industries before making a career switch to academia, the text stresses sound database design as a necessary precursor to successful development and administration of database systems. The discipline of database systems design and management is discussed within the context of the bigger picture of*

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*software engineering. Students are led to understand from the outset of the text that a database is a critical component of a software infrastructure, and that proper database design and management is integral to the success of a software system. Additionally, students are led to appreciate the huge value of a properly designed database to the success of a business enterprise. The text was written for three target audiences. It is suited for undergraduate students of computer science and related disciplines who are pursuing a course in database systems, graduate students who are pursuing an introductory course to database, and practicing software engineers and information technology (IT) professionals who need a quick reference on database design.*

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*Database Systems: A Pragmatic Approach, 3rd Edition discusses concepts, principles, design, implementation, and management issues related to database systems. Each chapter is organized into brief, reader-friendly, conversational sections with itemization of salient points to be remembered. This pragmatic approach includes adequate treatment of database theory and practice based on strategies that have been tested, proven, and refined over several years. Features of the third edition include: Short paragraphs that express the salient aspects of each subject Bullet points itemizing important points for easy memorization Fully revised and updated diagrams and figures to illustrate concepts to enhance the*

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*student's understanding Real-world examples Original methodologies applicable to database design Step-by-step, student-friendly guidelines for solving generic database systems problems Opening chapter overviews and concluding chapter summaries Discussion of DBMS alternatives such as the Entity-Attributes-Value model, NoSQL databases, database-supporting frameworks, and other burgeoning database technologies A chapter with sample assignment questions and case studies This textbook may be used as a one-semester or two-semester course in database systems, augmented by a DBMS (preferably Oracle). After its usage, students will come away with a firm grasp of the design, development, implementation, and management of a database system.*

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*Software Development Mastery*  
*Delphi in a Nutshell*  
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*Information Systems Design and*  
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Once upon a time,  
building your own  
software empire meant  
becoming another  
Microsoft or Bill Gates.  
And that took plenty of  
time, plenty of money,  
and plenty of resources.  
Nowadays, it's as simple  
as turning on your  
computer. Well, maybe not  
THAT simple. But having  
a computer is really all

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it takes to own, operate, and develop a software business. Just having access to the Internet... You can brainstorm and come up with ideas. You can find out what type of products do or don't already exist. You can determine exactly what people want and need. You can locate and hire a programmer. You can create software graphics (or have them created). You can promote and sell your finished products. And when you

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think about the fact that you can do all those things without leaving the comfort of your home, it's pretty amazing. Plus, the cost of creating and developing software is no where near what it used to be. Instead of having to travel long distances or settle for whatever programmer is located within a reasonable distance from you (and whatever price they happen to charge), you can easily choose from any number of



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qualified programmers throughout the world. For each project you put out there, you'll have numerous professionals vying for your business, each one trying to outbid the other. And in most instances, that means coming up with a bid that is lower than the next guy. Not that you should pick the lowest bid. That should never be your main consideration when choosing a programmer. But the fact that programmers will be

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competing in that manner means you can ultimately get the best possible job done for the best possible price. Another advantage is the income potential. Although there are several ways you can make money online, none of them comes close when you calculate the amount of money that can be generated through the sale of software products. And the true benefit of dealing in software products is the fact that you don't have

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to talk someone into buying it. The product either fulfills the needs or wants of a prospective buyer or it doesn't. With an ebook, for example, you generally have to come up with all sorts of ingenious sales copy just to convince people why they should buy it. With software, it's as simple as listing all the features and benefits. And, when it comes right down to it, people who purchase software products aren't

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Borland(r) Delphi 6 Developer's Guide is a new edition of the #1 best-selling Delphi book by authors Steve Teixeira and Xavier Pacheco. Steve and Xavier are of the winners of the Delphi Informant Reader's Choice Award for both Delphi 4 Developer's Guide and Delphi 5 Developer's Guide.

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Borland(r) Delphi 6 Developer's Guide is completely updated for Delphi 6 and includes in-depth coverage on Borland's new CLX architecture, DBExpress Applications, SOAP, CORBA, WebSnap and BizSnap features. It continues as a complete reference and authoritative guide to the newest version of Delphi.

The main purpose of this monograph is to introduce the up-to-date technology of software

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development for different applied problems solution as one of the most important spheres of modern engineering activity. It is absolutely obvious today that the role of information technology in everyday engineering activity rises steeply. Moreover, the efficient skills in information technology form the obligatory and essential part of the qualification requirements to modern engineer.

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Today's business is technology-driven. Information technology plays a key role in today's business environment. A great number of businesses, small and large, rely on computers and software to provide accurate information for effective management of their business and to perform successfully. Readers will learn how to use

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information technology in work environment. They will learn how to use common business software such as word processing, spreadsheet, database, presentation, and Web browser software, and learn the current issues related to the impact of information technology on businesses. This book is suitable for undergraduate students, professionals, and anyone willing to build a solid foundation of the information technology skills needed at the workplace.

" Inprise/Borland's Delphi " may be the best Windows Rapid Application Development tool currently available. It offers full



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support for COM and ActiveX, an object-oriented widget library called the Visual Component Library, and an extensible and customizable rapid application development environment. Delphi in a Nutshell is the comprehensive reference to the programming language for this powerful RAD development tool. "Delphi in a Nutshell" begins with an introduction to Delphi Pascal and a clear discussion of the Delphi object model. It then covers RTTI, the key to Delphi's development environment, which is often poorly documented in other sources such as Delphi's official help files. The book also includes a chapter

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on concurrent programming in Delphi and the creation of multithreaded applications. The bulk of the book is a complete ordered reference to the Delphi language set. Each reference item includes : the syntax, using standard code conventions. A description. A list of arguments, if any, accepted by the function or procedure. Tips and tricks of usage-practical information on using the language feature in real programs. A brief example. A cross-reference to related keywords. Regardless of how much experience you have with Delphi, this is the book you'll pick up again and again as your

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standard reference. you'll also use it to master the finer points of the language and to troubleshoot problems. "Delphi in a Nutshell" is the one indispensable reference for Delphi programmers.

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

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on real-world industrial problems A useful reference book for practicing engineers as well as an updated resource book for researchers

Intended for professional developers working in Delphi who are looking for a way to move into the sphere of new programming technology for e-business, this guide discusses specific Delphi tools and technologies and enables developers to take

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advantage of the RAD technique with the new version of Delphi for creating Web services. Emphasis is given to the development of data processing using the XML and SOAP protocol and to the creation of Web services based on its capabilities. Also covered are all aspects of working with databases—data presentation; local, client-server, and distributed systems; and technologies of accessing data, from BDE

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and Neuroscientists introduces the reader to both the basic principles and the actual practice of recording physiological signals using the computer. It describes the basic operation of the computer, the types of transducers used to measure physical quantities such as temperature and pressure, how these signals are amplified and converted into digital form, and the mathematical analysis techniques that can then be applied. It is aimed at the physiologist or neuroscientist using modern computer data acquisition systems in the laboratory, providing both an understanding of how such systems work and a guide to their

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*anywhere*Book Description  
Delphi is a strongly typed, event-driven programming language with a rich ecosystem of frameworks and support tools. It comes with an extensive set of web and database libraries for rapid application development on desktop, mobile, and internet-enabled devices. This book will help you keep up with the latest IDE features and provide a sound foundation of project management and recent language enhancements to take your productivity to the next level. You'll discover how simple it is to support popular mobile device features such as

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*Bluetooth and Beacons and learn how to put your app on a Raspberry Pi Enable remote apps with backend servers on Windows and Linux through REST APIs Develop modules for IIS and Apache web servers Who this book is for This book is for Delphi developers interested in expanding their skillset beyond Windows programming by creating professional-grade applications on multiple platforms, including Windows, Mac, iOS, Android, and back-office servers. You'll also find this book useful if you're a developer looking to upgrade your knowledge of Delphi to keep up with the latest*

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*changes and enhancements in this powerful toolset. Some Delphi programming experience is necessary to make the most out of this book.*

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*(IDE) that supports rapid application development on different platforms, saving you the pain of wandering amid GUI widget details or having to tackle inter-platform incompatibilities. Delphi Cookbook begins with the basics of Delphi and gets you acquainted with JSON format strings, XSLT transformations, Unicode encodings, and various types of streams. You'll then move on to more advanced topics such as developing higher-order functions and using enumerators and run-time type information (RTTI). As you make your way through the chapters, you'll understand Delphi RTL*

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*functions, use FireMonkey in a VCL application, and cover topics such as multithreading, using a parallel programming library and deploying Delphi on a server. You'll take a look at the new feature of WebBroker Apache modules, join the mobile revolution with FireMonkey, and learn to build data-driven mobile user interfaces using the FireDAC database access framework. This book will also show you how to integrate your apps with Internet of Things (IoT). By the end of the book, you will have become proficient in Delphi by exploring its different aspects such as*

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*building cross-platforms and mobile applications, designing server-side programs, and integrating these programs with IoT. What you will learn Develop visually stunning applications using FireMonkey Deploy LiveBinding effectively with the right object-oriented programming (OOP) approach Create RESTful web services that run on Linux or Windows Build mobile apps that read data from a remote server efficiently Call platform native API on Android and iOS for an unpublished API Manage software customization by making better use of an extended*

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*RTTI Integrate your application with IOT Who this book is for Delphi Cookbook is for intermediate developers with a basic knowledge of Delphi who want to discover and understand all the development possibilities offered by it.*

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**concise style, with lots of examples, this revised edition provides: a detailed understanding of object orientation, a thorough introduction to Java including building blocks, constructs, classes, data structures etc, coverage of graphical user interfaces and applets (AWT; Servlets), and object oriented analysis. If you are looking for a good introduction to Java and object orientation, then this is the book for you. Source code for the examples in this book is available on the Internet.**

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