

Object-Oriented Interface Design

IBM Common User Access™ Guidelines



The Official Guide



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Object-oriented Interface Design International Business Machines Corporation,1992 [The Essential Guide to User Interface Design](#) Wilbert O. Galitz,2007-04-10 Bringing together the results of more than 300 new design studies an understanding of people knowledge of hardware and software capabilities and the author s practical experience gained from 45 years of work with display based systems this book addresses interface and screen design from the user s perspective You will learn how to create an effective design methodology design and organize screens and Web pages that encourage efficient comprehension and execution and create screen icons and graphics that make displays easier and more comfortable to use [A Methodology for Developing Multimodal User Interfaces of Information Systems](#) Adrian Stanciulescu,2008

The Graphical User Interface GUI as the most prevailing type of User Interface UI in today s interactive applications restricts the interaction with a computer to the visual modality and is therefore not suited for some users e g with limited literacy or typing skills in some circumstances e g while moving around with their hands or eyes busy or when the environment is constrained e g the keyboard and the mouse are not available In order to go beyond the GUI constraints the Multimodal MM UIs appear as paradigm that provide users with great expressive power naturalness and flexibility In this thesis we argue that developing MM UIs combining graphical and vocal modalities is an activity that could benefit from the application of a methodology which is composed of a set of models a method manipulating these models and the tools implementing the method Therefore we define a design space based method that is supported by model to model colored transformations in order to obtain MM UIs of information systems The design space is composed of explicitly defined design options that clarify the development process in a structured way in order to require less design effort The feasibility of the methodology is demonstrated through three case studies with different levels of complexity and coverage In addition an empirical study is conducted with end users in order to measure the relative usability level provided by different design decisions [User Interface Design](#) Larry E. Wood,2018-05-04

Although numerous sources document aspects of user centered design there are few references that consider how a designer transforms the information gathered about users and their work into an effective user interface design This book explains just how designers bridge that gap A group of leading experts in GUI design describe their methods in the context of specific design projects and while the projects processes and methods vary considerably the common theme is building a bridge between user requirements and user interface design [Tools for Working with Guidelines](#) Jean Vanderdonct,Christelle Farenc,2012-12-06 This volume contains the papers presented at the International Workshop on Tools for Working with Guidelines TFWWG 2000 held in Biarritz France in October 2000 It is the final outcome of the International Special Interest Group on Tools for Working with Guidelines Human computer interaction guidelines have been recognized as a uniquely relevant source for improving the usability of user interfaces for interactive systems The range of interactive techniques exploited by these interactive systems is rapidly expanding to include

multimodal user interfaces virtual reality systems highly interactive web based applications and three dimensional user interfaces Therefore the scope of guidelines sources is rapidly expanding as well and so are the tools that should support users who employ guidelines to ensure some form of usability Tools For Working With Guidelines TFWWG covers not only software tools that designers developers and human factors experts can use to manage multiple types of guidelines but also looks at techniques addressing organizational sociological and technological issues Designing Object-oriented User Interfaces David Hunter Collins,1995 This is both the first authoritative treatment of OOUi and a book which will help designers developers analysts and many others understand and apply object oriented analysis to user interfaces Collins delivers a single conceptual model to guide both external and internal design of the user interface A set of figures examples and case studies illustrates the development of new applications and functions both stand alone and integrated with existing environments Throughout the methodology is grounded in object oriented principles that are consistent with other object oriented methodologies for system and database design The Elements of User Interface Design Theo Mandel,1997-02-21 a book that should be forced on every developer working today If only half the rules in this book were followed the quality of most programs would increase tenfold Kevin Bachus praising Theo Mandel s The GUI OOUI War A total guide to mastering the art and science of user interface design For most computer users the user interface is the software and in today s ultracompetitive software markets developers can t afford to provide users and clients with anything less than optimal software ease usability and appeal The Elements of User Interface Design is written by a cognitive psychologist and interface design specialist with more than a decade s research and design experience Writing for novices and veteran developers and designers alike Dr Mandel takes you from command line interfaces and graphical user interfaces GUIs to object oriented user interfaces OOUIs and cutting edge interface technologies and techniques Throughout coverage is liberally supplemented with screen shots real life case studies and vignettes that bring interface design principles to life Destined to become the bible for a new generation of designers and developers The Elements of User Interface Design Arms you with a tested in the trenches four phase iterative design process Analyzes well known interfaces including Windows 95 Windows NT OS 2 Warp Microsoft Bob Visual Basic Macintosh and the World Wide Web Schools you in object oriented interface OOUI design principles and techniques Offers practical coverage of interface agents wizards voice interaction social user interfaces Web design and other new and emerging technologies Usability Evaluation and Interface Design Michael J. Smith,Richard John Koubek,Gavriel Salvendy,Don Harris,2001-08-01 This three volume set provides the complete proceedings of the Ninth International Conference on Human Computer Interaction held August 2001 in New Orleans A total of 2 738 individuals from industry academia research institutes and governmental agencies from 37 countries submitted their work for presentation at the conference The papers address the latest research and application in the human aspects of design and use of computing systems Those accepted for presentation thoroughly cover the entire field of human computer interaction including the

cognitive social ergonomic and health aspects of work with computers The papers also address major advances in knowledge and effective use of computers in a variety of diversified application areas including offices financial institutions manufacturing electronic publishing construction and health care *Object Oriented Analysis, Design and Testing* Eric J. Braude,1998 These papers on object oriented analysis and design cover overviews of the object oriented paradigm methodologies requirements analysis for applications OO design and design patterns and testing and maintenance of OO applications Object Modeling and User Interface Design Mark Van Harmelen,2001 Object Modeling and User Interface Design merges theories with practical techniques to create methods for the design to today s systems By reading this book you will gain an understanding of the benefits of integrating object oriented analysis approaches with human computer interaction design and learn how to systematically design interactive systems for their human users BOOK JACKET

Object-oriented Methods Ian Graham,Alan O'Callaghan,Alan Cameron Wills,2001 Since the previous edition of this popular and comprehensive book was published there have been massive changes in the field of object technology This book has been fully revised and updated to reflect the newest technologies and methodologies including extensive coverage of middleware components Java UML If you are a developer or manager needing to succeed with objects this book will give you a full understanding of the key concepts benefits and pitfalls plus what technologies and tools are available and how to evaluate them It offers invaluable insights into the philosophy and real world practice of today s leading object oriented techniques and products Major features of this edition detailed chapter covering middleware and migration strategies chapter describing best practice for analysis and design with in depth focus on architecture and patterns plus a concise presentation of the Catalysis method for component based development revised coverage of requirements featuring detailed description of the SOMA approach coverage of Java in addition to other object oriented programming languages Plus significantly revised coverage of object oriented databases to address new and increasingly mature products review of processes and project management including RUP and OPEN Process and guidance on testing and UI design new appendices summarizing the UML notation and background survey of 50 object oriented methods self test questions and model answers on accompanying web site www.trireme.com **Object-oriented GUI Application Development** Geoff Lee,1993 An excellent training guide for project managers user interface designers and software engineers this book provides step by step instructions guidelines and examples of the life cycle development methodology that can be applied to multiple graphical environments IBM Systems Journal International Business Machines Corporation,1994 IBM Networking for the 90's Mark Seery,1993 Today IBM faces the challenge of updating its proprietary networking solutions and building bridges to the growing open systems market Seery explains both current and emerging IBM and industry standard LAN WAN and MAN protocols describes how they are implemented and places them in the context of IBM s major computing strategies **APL ... Conference Proceedings** ,1994 AIAA 1995 Space Programs and Technologies Conference ,1995 **User-interface**

Design Kevin Cox,David Walker,1993 What makes a good computer system Systems development Usability testing Objects and actions Guide lines for user interfaces Designing a dialogue model User documentation Forms of documentation Implementation Bibliography Index 1994 IEEE International Conference on Systems, Man, and Cybernetics IEEE Systems, Man, and Cybernetics Society,1994 *The GUI Style Guide* Susan L. Fowler,Victor R. Stanwick,1995 The GUI Style Guide provides the tools necessary for programmers to write interfaces for a variety of windowing environments All of the guidelines are useful to programmers either creating IBM mainframe applications or writing Windows applications It also explains how to take advantage of object oriented programming and fourth generation languages Contains all of the information for designing an effective GUI such as human factors color menu levels and prototyping Explains how to create an interface that makes sense to others Demonstrates similarities between various manufacturers underlying windowing environments Covers examples from all sorts of software on as many hardware platforms as possible Provides programmers with the necessary tools to write interfaces for a variety of windowing environments Includes all of the guidelines necessary for programmers to create any type of windowed application from IBM CUA mainframe to pen to Macintosh Motif NeXt and Windows systems DIS '95 Gary M. Olson,Sue Schuon,1995

Whispering the Secrets of Language: An Emotional Journey through **Object Oriented Interface Design Ibm Common User Access Guidelines**

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