Category Map Widget Tab Widget

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whether you re building gui prototypes or full fledged cross platform gui applications with native look and feel pyqt 4 is your fastest easiest most powerful solution qt expert mark summerfield has written the definitive best practice guide to pyqt 4 development with rapid gui programming with python and qt you ll learn how to build efficient gui applications that run on

all major operating systems including windows mac os x linux and many versions of unix using the same source code for all of them summerfield systematically introduces every core gui development technique from dialogs and windows to data handling from events to printing and more through the book s realistic examples you ll discover a completely new pyqt 4 based programming approach as well as coverage of many new topics from pyqt 4 s rich text engine to advanced model view and graphics view programming every key concept is illuminated with realistic downloadable examples all tested on windows mac os x and linux with python 2 5 qt 4 2 and pyqt 4 2 and on windows and linux with qt 4 3 and pyqt 4 3

explore python s gui frameworks and create visually stunning and feature rich applications key featuresintegrate stunning data visualizations using tkinter canvas and matplotlibunderstand the basics of 2d and 3d animation in gui applicationsexplore pyqt s powerful features to easily design and customize your gui applicationsbook description a responsive graphical user interface gui helps you interact with your application improves user experience and enhances the efficiency of your applications with python you ll have access to elaborate gui frameworks that you can use to build interactive guis that stand apart from the rest this learning path begins by introducing you to tkinter and pyqt before guiding you through the application development process as you expand your gui by adding more widgets you ll work with networks databases and graphical libraries that enhance its functionality you ll also learn how to connect to external databases and network resources test your code and maximize performance using asynchronous programming in later chapters you ll understand how to use the cross platform features of tkinter and qt5 to maintain compatibility across platforms you ll be able to mimic the platform native look and feel and build executables for deployment across popular computing platforms by the end of this learning path you ll have the skills and confidence to design and build high end gui applications that can solve real world problems this learning path includes content from the following packt products python gui programming with tkinter by alan d mooreqt5 python gui programming cookbook by b m harwaniwhat you will learnvisualize graphs in real time with tkinter s animation capabilitiesuse postgresql authentication to ensure data security for your applicationwrite unit tests to avoid regression when updating codehandle different signals generated on mouse clicks using qspinbox and slidersemploy network concepts internet browsing and google maps in uiuse graphics rendering to implement animations in your guiwho this book is for if you re an intermediate python programmer looking to enhance your coding skills by writing powerful guis in python using pyqt and tkinter this is an ideal learning path for you a strong understanding of the python language is a must to grasp the concepts explained in this book

the noble way to substantiate decisions that affect many people is to ask these people for their opinions for governments that run whole countries this means asking all citizens for their views to consider their situations and needs organizations such as africa s voices foundation who want to facilitate communication between decision makers and citizens of a country have difficulty mediating between these groups to enable understanding statements need to be summarized and visualized accomplishing these goals in a way that does justice to the citizens voices and situations proves challenging standard charts do not help this cause as they fail to create empathy for the people behind their graphical abstractions furthermore these charts do not create trust in the data they are representing as there is no way to see or navigate back to the underlying code and the original data to fulfill these functions visualizations would highly benefit from interactions to explore the displayed data which standard charts often only limitedly provide to help improve the understanding of people s voices we developed and categorized 80 ideas for new visualizations new interactions and better connections between different charts which we present in this report from those ideas we implemented 10 prototypes and two systems that integrate different visualizations we show that this integration allows consistent appearance and behavior of visualizations the visualizations all share the same main concept representing each individual with a single dot to realize this idea we discuss technologies that efficiently allow the rendering of a large number of these dots with these visualizations direct interactions with representations of individuals are achievable by clicking on them or by dragging a selection around them this direct interaction is only possible with a bidirectional connection from the visualization to the data it displays we discuss different strategies for bidirectional mappings and the trade offs involved having unified behavior across visualizations enhances exploration for our prototypes that includes grouping filtering highlighting and coloring of dots our prototyping work was enabled by the development environment lively4 we explain which parts of lively4 facilitated our prototyping process finally we evaluate our approach to domain problems and our developed visualization concepts our work provides inspiration and a starting point for visualization development in this domain our visualizations can improve communication between citizens and their government and motivate empathetic decisions our approach combining low level entities to create visualizations provides value to an explorative and empathetic workflow we show that the design space for visualizing this kind of data has a lot of potential and that it is possible to combine qualitative and quantitative approaches to data analysis

jquery is one of the hottest emerging web development technologies fully supported by microsoft google and a who s who list of companies and

platforms it simplifies the development of standards based interactive websites this bookprovides a complete in depth look at jquery and related technologies providing you with a single source of all the information you need to maximize your web development skills as the book progresses it delves deeper into other topics providing lessons and examples to accomplish tasks common to both basic and advanced web development techniques

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ideal for programmers who have already done some application development in motif and who are looking to broaden and deepen their skills and understanding this guide and reference explains what each tool technique is intended for and when it should be used and shows how x and motif mechanisms can be used in conjunction with each other rather than in isolation

this guide is a resource on widgets gadgets and conventions it covers in detail the motif toolkit the window manager and the user interface language uil

volume 4 is a complete guide to programming with the x toolkit intrinsics the library of c language routines that facilitates the design of user interfaces with reusable components called widgets it provides concepts and examples that show how to use the various x toolkit routines the first few chapters are devoted to using widgets the remainder of the book covers the more complex task of writing new widgets uses the motif 1 2 widget set in examples and

covers x11 release 5 volume 4 includes introduction to the x window system building applications with widgets constructing a bitmap editor with widgets an overview of each widget in the widget set basic widget methods li events translations and accelerators event handlers timeouts and work procedures resource management and type conversion selections and window manager interaction geometry management menus gadgets and cascaded pop ups miscellaneous techniques comparison of athena osf motif and at t open look widgets this book is designed to be used with volume 5 x toolkit intrinsics reference manual which provides reference pages for each of the xt functions the widget classes defined by xt and the athena widget set

this tutorial and reference provides application programmers working in x environments recipes that enable them to become quickly productive using any of the major x toolkits including osf motif includes a set of tutorial examples that demonstrate the major features of x toolkits in the order in which they would be encountered in writing a real application

programmers creating applications with the various components of the motif environment will benefit from this manual s coverage of widgets gadgets and conventions the three sections of the book cover the toolkit the window manager and the user interface language uil

a complete programmer s reference for the motif toolkit this book provides reference pages for the motif functions and macros the motif and xt widget classes the mrm functions the motif clients and the iul file format data types and functions reference material has been expanded and covers motif 1 2

the ultimate guide to building graphical linux r unix r applications with gtk 1 2 write great graphical applications for linux r and unix r leverage the full power of gtk 1 2 glib and gdk includes comprehensive gtk widget coverage explanations examples and reference also contains linux unix c programming quick start refresher the more popular linux becomes the more developers want to build graphical applications that run in linux unix environments and gtk 1 2 offers a powerful toolset for doing so in this start to finish tutorial and reference respected linux unix developer syd logan covers everything programmers need to begin building powerful graphical applications with gtk 1 2 immediately gtk programming in c covers all this and more the fundamentals of linux unix programming with c a quick gtk startup section for novices constructing simple applications step by step understanding gtk s flexible c based object oriented architecture working with signals events objects and types comprehensive widgets coverage base menu layout range scrollbar scale container text and more creating and using dialogs container and bin classes expert introductions to the glib and gdk libraries if you re ready to write easy to use applications for the world s fastest growing most

robust os platforms you ve come to the right book gtk programming in c by syd logan

this step by step self study guide combines the popular technologies of the x window system and the osf motif toolkit to help you write powerful graphical user interface gui programs for the unix operating system

this book teaches programmers how to use symantec visual cafe to create java applets for java neophytes the book also provides a thorough introduction to the language advanced java programmers can learn how to use visual cafe to create their own java development tools

here is the first book on desktop kornshell a tcl tk competitor written by the developer of the technology like tcl tk desktop kornshell is a scripting language that enables programmers to develop graphical user interfaces quickly and easily since desktop kornshell is provided as part of the new common desktop environment it has potentially an even wider appeal than tcl tk

describes how to write applications using the motif toolkit from the open software foundation osf going into detail on every motif widget class with useful examples to help programmers develop their own code tips on programming in general are also included the authors assume competence with c and familiarity with fundamental x window system concepts chapters are marked by uncut tabs for easy location the manual is updated for motif 1 2 but still usable for motif 1 1 annotation copyright by book news inc portland or

this completely updated and revised version of the bestselling original describes how to develop interactive applications for the x window system using the motif user interface toolkit it shows how to use the facilities of all three motif libraries xlib xt intrinsics and visual components

updated and revised coverage that includes the latest versions of ios and xcode whether you re a novice or experienced developer you will want to dive into this updated resource on database application programming for the iphone and ipad packed with more than 50 percent new and revised material including completely rebuilt code screenshots and full coverage of new features pertaining to database programming and enterprise integration in ios 6 this must have book intends to continue the precedent set by the previous edition by helping thousands of developers master database application programming shows you how to store data using sqlite model and manage data using core data and integrate with services explains how to take advantage of the built in capabilities of the iphone and ipad details techniques for integrating ios applications into enterprise class systems

encourages you to take advantage of multi core processors store data in the cloud and use storyboards to develop the ui for your app by the end of the book you will be able to confidently implement a data driven application for the iphone and ipad and integrate an ios application within an existing enterprise system

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