Interactive Computer Graphics Top Down Approach

Developing Programmes for Adult Learners in AfricaNanofertilizers for Sustainable AgroecosystemsAn Integrated Approach to Software EngineeringCOMPUTER AIDED DESIGN AND MANUFACTURINGSoftware Architect's HandbookFunctionalized NanomaterialsEnvironmental ModellingAQA Psychology for A Level Year 2 Student Book: 2nd EditionInformation Assurance Handbook: Effective Computer Security and Risk Management StrategiesProceedings of the 20th International Conference on Very Large Data BasesChallenging the Growth MachineSystems Analysis and DesignSDM, System Development MethodologyRecent Studies in Pre-Columbian ArchaeologySoftware Testing and AnalysisAccounting Information SystemsThe Digital Guide to Software DevelopmentKnowledge Development in MarketingProgramming Standards and GuidelinesChina, Financial Sector Policies and Institutional Development M. L. S. Gboku Kamel A. Abd-Elsalam Pankaj Jalote LALIT NARAYAN, K. Joseph Ingeno Vineet Kumar John Wainwright Cara Flanagan Corey Schou Jorge Bocca Barbara Ferman David Ross Jeffery William S. Turner Nicholas J. Saunders Mauro Pezze Ulric J. Gelinas Paul N. Bloom Barry K. Nirmal

this book identifies quantitative qualitative and multi method approaches and is based upon existing research methods teaching in africa it is grounded in african adult education contexts and draws on material and experiences from research courses taught in african universities it emphasises the importance of combining quantitative methods with qualitative research that is embedded in adult education contexts and that builds on indigenous knowledge examples of the contexts addressed in the book include village communities agriculture development workers literacy and income generation projects community policing strategies brigades vocational training centres mass health awareness campaigns such as hiv aids work based education and training management development needs analyses and the training of adult education trainers

large scale chemical fertilizer application causes irreparable damage to soil structure mineral cycles soil microbial flora plants and other food chains across ecosystems culminating in heritable mutations in future generations of consumers a better way forward is the use of nanofertilizers to focus on macro elements n p k as switching to nanofertilizers may result in large environmental benefits by replacing the majority of these nutrients furthermore the biosynthesis of nanomaterials using bacteria algae yeast fungus actinomycetes and plants has opened up a new avenue of research in the production of inorganic nanoparticles as ecologically friendly fertilizers nanofertilizers should also attain increased efficiency because of a several fold increase in the surface to volume ratio of nano forms of nutrients and their suitability for foliar application where environmental losses are further reduced nanostructured fertilizers can also improve nutrient useefficiency through strategies such as targeted distribution and progressive or controlled release as they can precisely release their active molecules in response to environmental cues and biological demands recent research shows nanofertilizers can increase agricultural productivity by speeding up seed germination seedling growth photosynthetic activity nitrogen metabolism and carbohydrate and protein synthesis the potential agricultural benefits of nanofertilizers their modes of action and the fate of nanomaterials in soil are all discussed in this book it also covers nanofertilizer formulation and delivery applications uptake translocation and their fate in plants as well as their impact on plant physiology and metabolism nutrient nanoformulation is a valuable method that has the potential to alter the agricultural sector and provide solutions to current and future concerns for sustainable and climate sensitive crops

this textbook provides an introduction to software engineering for undergraduate students of computer science its emphasis is on a case study approach in which a project is developed through the course of the book illustrating the different activities of software development the sequence of chapters is essentially the same as

the sequence of activities performed during a typical software project all activities including quality assurance and control activities are described in each chapter as integral activities for that phase of the development process similarly the author carefully introduces appropriate metrics for controlling and assessing the software process this book is intended for students who have had no previous training in software engineering and is suitable for a one semester course in this new edition two trends are clearly highlighted software processes and object orientation from reviews of the first edition i can recommend this book for classroom adoption or individual study computing reviews overall the book is very readable and exceptionally well organized exposes the reader to many current sophistictaed formal and quantitative methods american scientist

the impact of the technology of computer aided design and manufacturing in automobile engineering marine engineering and aerospace engineering has been tremendous using computers in manufacturing is receiving particular prominence as industries seek to improve product quality increase productivity and to reduce inventory costs therefore the emphasis has been attributed to the subject of cad and its integration with cam designed as a textbook for the undergraduate students of mechanical engineering production engineering and industrial engineering it provides a description of both the hardware and software of cad cam systems the coverage includes principles of interactive computer graphics wireframe surface and solid modelling finite element modelling and analysis nc part programming and computer aided part programming machine vision systems robot technology and automated guided vehicles flexible manufacturing systems computer integrated manufacturing artificial intelligence and expert systems communication systems in manufacturing pedagogical features cnc program examples and apt program examples review questions at the end of every chapter a comprehensive glossary a question bank at the end of the chapters

a comprehensive guide to exploring software architecture concepts and implementing best practices key features enhance your skills to grow your career as a software architect design efficient software architectures using patterns and best practices learn how software architecture relates to an organization as well as software development methodology book description the software architect s handbook is a comprehensive guide to help developers architects and senior programmers advance their career in the software architecture domain this book takes you through all the important concepts right from design principles to different considerations at various stages of your career in software architecture the book begins by covering the fundamentals benefits and purpose of software architecture you will discover how software architecture relates to an organization followed by identifying its significant quality attributes once you have covered the

basics you will explore design patterns best practices and paradigms for efficient software development the book discusses which factors you need to consider for performance and security enhancements you will learn to write documentation for your architectures and make appropriate decisions when considering devops in addition to this you will explore how to design legacy applications before understanding how to create software architectures that evolve as the market business requirements frameworks tools and best practices change over time by the end of this book you will not only have studied software architecture concepts but also built the soft skills necessary to grow in this field what you will learn design software architectures using patterns and best practices explore the different considerations for designing software architecture discover what it takes to continuously improve as a software architect create loosely coupled systems that can support change understand devops and how it affects software architecture integrate refactor and re architect legacy applications who this book is for the software architect s handbook is for you if you are a software architect chief technical officer cto or senior developer looking to gain a firm grasp of software architecture

nanomaterials contain some unique properties due to their nanometric size and surface functionalization nanomaterial functionalization also affects their compatibility to biocompatibility and toxicity behaviors environment and living organism this makes functionalized nanomaterials a material with huge scope and few challenges this book provides detailed information about the nanomaterial functionalization and their application recent advancements challenges and opportunities in the preparation and applications of functionalized nanomaterials are also highlighted this book can serve as a reference book for scientific investigators doctoral and post doctoral scholars undergrad and grad this book is very useful for multidisciplinary researchers industry personnel s journalists and policy makers features covers all aspects of nanomaterial functionalization and its applications describes and methods of functionalized nanomaterials synthesis for different applications discusses the challenges recent findings and cutting edge global research trends on functionalization of nanomaterials and its applications it discusses the regulatory frameworks for the safe use of functionalized nanomaterials it contains contributions from international experts from multiple disciplines

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economic development and urban growth are the contested grounds of urban politics business elites and politicians tend to forge pro growth coalitions centered around downtown development while progressive and neighborhood activists counter with a more balanced approach that features a strong neighborhood component urban politics is often shaped by this conflict which has intellectual as well as practical dimensions in some cities neighborhood interests have triumphed in others the pro growth agenda has prevailed in this illuminating comparative study barbara ferman demonstrates why neighborhood challenges to pro

growth politics were much more successful in pittsburgh than they were in chicago operating largely in the civic arena pittsburgh s neighborhood groups encountered a political culture and institutional structure conducive to empowering neighborhood progressivism in housing and economic development policymaking in contrast the pro growth agenda in chicago was challenged in the electoral arena which was dominated by machine ward based politicians who regarded any independent neighborhood organizing as a threat consequently neighborhood demands for policymaking input were usually thwarted besides revealing why the development policies of two important american cities diverged ferman s unique comparative approach to this issue significantly expands the scope of urban analysis among other things it provides the first serious study to incorporate the civic sector neighborhood politics as an important component of urban regimes ferman also emphasizes institutional and cultural factors often ignored or relegated to residual roles in other studies and expounds on their influence in shaping local politics and policy to add an analytical and normative dimension to urban analysis she focuses on the non elite actors not just the economic and political elites who compose governing coalitions ultimately ferman takes a more holistic and balanced view of large cities than is typical for urban studies as she argues that neighborhoods are an important integral part of what cities are and can be for that reason especially her work will have a profound impact upon our understanding of urban politics

teaches readers how to test and analyze software to achieve an acceptable level of quality at an acceptable cost readers will be able to minimize software failures increase quality and effectively manage costs covers techniques that are suitable for near term application with sufficient technical background to indicate how and when to apply them provides balanced coverage of software testing analysis approaches by incorporating modern topics and strategies this book will be the standard software testing textbook

the text focuses on providing skills necessary for a foundation in enterprise risk management particularly as these risks pertain toinformation systems and relevant business processes fundamental to an enterprise risk management orientation from an informationsystems perspective are the underlying enterprise systems e business systems and controls for maintaining these systems

here is the first published description of the processes and practices tools and methods this industry giant uses to develop its software products this shirt sleeves guide is packed with diagrams and tables that illustrate each step in the complex software development process you ll learn all about digital s standard phase

review process the role of teams and their leaders how case tools work and how to control a project while improving productivity and product quality

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