

APACHE POI PPT - QUICK GUIDE

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APACHE POI PPT - OVERVIEW

Many a time, a software application is required to generate reports in Microsoft Office file format. Sometimes, an application is even expected to receive MS- Office files as input data.

Any Java programmer who wants to produce MS Office files as output must use a predefined and read-only API to do so.

What is Apache POI?

Apache POI is a popular API that allows programmers to create, modify, and display MS-Office files using Java programs. It is an open source library developed and distributed by Apache Software Foundation. It contains classes and methods to decode the user input data, or a file into MS Office documents.

Components of Apache POI

Apache POI contains classes and methods to work on all OLE2 Compound documents of MS-Office. The list of components of this API is given below:

- **POIFS** *PoorObfuscationImplementationFileSystem* : This component is the basic factor of all other POI elements. It is used to read different files explicitly.
- **HSSF** *HorribleSpreadSheetFormat* : It is used to read and write .xls format of MS-Excel files.
- **XSSF** *XMLSpreadSheetFormat* : It is used for .xlsx file format of MS-Excel.
- **HPSF** *HorriblePropertySetFormat* : It is used to extract property sets of the MS-Office files.
- **HWPF** *HorribleWordProcessorFormat* : It is used to read and write .doc extension files of MS-Word.
- **XWPF** *XMLWordProcessorFormat* : It is used to read and write .docx extension files of MS-Word.
- **HSLF** *HorribleSlideLayoutFormat* : It is used to read, create, and edit PowerPoint presentations.
- **HDGF** *HorribleDiagramFormat* : It contains classes and methods for MS-Visio binary files.
- **HPBF** *HorriblePublisherFormat* : It is used to read and write MS-Publisher files.

This tutorial guides you through the process of working on Microsoft PowerPoint presentation using Java. Therefore the discussion is confined to **XSLF component**.

Note : Older versions of POI support binary file formats such as doc, xls, ppt, etc. Version 3.5 onwards, POI supports OOXML file formats of MS-Office such as docx, xlsx, pptx, etc.

FLAVORS OF JAVA PPT API

This chapter takes you through some of the flavors of Java PowerPoint API and their features. There are many vendors who provide Java PPT related APIs; some of them are considered in this chapter.

Aspose Slides for Java

Aspose slides for Java is a purely licensed Java PPT API, developed and distributed by the vendor **Aspose**. The latest version of this API is 8.1.2, released in July 2014. It is a rich and heavy API combination of plain Java classes and AWT classes for designing the PPT component that can read, write, and manage slides.

The common uses of this API are as follows:

- Build dynamic presentations

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Human Aspects of IT for the Aged Population. Healthy and Active Aging Qin Gao, Jia Zhou, 2020-07-10 This three volume set of LNCS 12207 12208 and 12209 constitutes the refereed proceedings of the 6th International Conference on Human Aspects of IT for the Aged Population ITAP 2020 held as part of the 22nd International Conference HCI International 2020 which took place in Copenhagen Denmark in July 2020 The conference was held virtually due to the COVID 19 pandemic The total of 1439 papers and 238 posters have been accepted for publication in the HCII 2020 proceedings from a total of 6326 submissions ITAP 2020 includes a total of 104 regular papers which are organized in topical sections named Involving Older Adults in HCI Methodology User Experience and Aging Aging and Mobile and Wearable Devices Health and Rehabilitation Technologies Well being Persuasion Health Education and Cognitive Support Aging in Place Cultural and Entertainment Experiences for Older Adults Aging and Social Media Technology Acceptance and Societal Impact

Machine Learning with R Brett Lantz, 2013-10-25 Written as a tutorial to explore and understand the power of R for machine learning This practical guide that covers all of the need to know topics in a very systematic way For each machine learning approach each

step in the process is detailed from preparing the data for analysis to evaluating the results These steps will build the knowledge you need to apply them to your own data science tasks Intended for those who want to learn how to use R's machine learning capabilities and gain insight from your data Perhaps you already know a bit about machine learning but have never used R or perhaps you know a little R but are new to machine learning In either case this book will get you up and running quickly It would be helpful to have a bit of familiarity with basic programming concepts but no prior experience is required Proceedings of the Eleventh International Network Conference (INC 2016) Paul Dowland, Oliver

Schneider, Bogdan Ghita, Sergej Alekseev, 2016 This book contains the proceedings of the Eleventh International Network Conference INC 2016 which was held in Frankfurt Germany in July 2016 A total of 30 papers were accepted for inclusion in the conference The main topics of the book include Network Technologies Mobile and Wireless Networking Security and Privacy Applications and Impacts The papers address state of the art research and applications of network technology arising from both the academic and industrial domains These proceedings should consequently be of interest to network practitioners researchers academics and technical managers involved in the design development and use of network systems

Computer Science - CACIC 2020 Patricia Pesado, Jorge Eterovic, 2021-05-04 This book constitutes revised selected papers from the 26th Argentine Congress on Computer Science CACIC 2020 held in San Justo Buenos Aires Argentina in October 2020 Due to the COVID 19 pandemic the conference was held in a virtual mode The 21 full papers and 3 short papers presented in this volume were carefully reviewed and selected from a total of 118 submissions They were organized in topical sections named intelligent agents and systems distributed and parallel processing computer technology applied to education graphic computation images and visualization software engineering databases and data mining hardware architectures networks and operating systems innovation in software systems signal processing and real time systems innovation in computer science education computer security and digital governance and smart cities *A New*

GeoComputation Pattern and Its Application in Dual-Evaluation Wensheng Zhou, 2021-04-24 This book introduces Document As System DAS a new GeoComputation pattern which is also a new GIS application pattern It uses the GeoComputation language G language to describe and execute complex spatial analysis model in the MS Word environment which solves the bottleneck problem of GIS application makes GIS become a popular tool for spatial data analysis from the spatial data visualization tool and plays an important role in the wide application of GIS technology This book systematically introduces the theory related to the new GeoComputation pattern and the application example in the dual evaluation of territorial and spatial planning which can be used as a learning and reference manual for GIS related professionals and business personnel engaged in the dual evaluation of territorial and spatial planning *InfoWorld* , 1979-02-28 InfoWorld is targeted to Senior

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Dénes,Cardoso, Lucília,2024-06-03 In the age of digital transformation the tourism industry faces a pressing challenge balancing the growing demand for travel with the imperative to protect the environment and preserve local cultures The rise of digital platforms has revolutionized how people plan book and experience travel but it has also intensified concerns about overtourism cultural commodification and environmental degradation Without thoughtful intervention these trends threaten to undermine the destinations travelers seek to explore Promoting Responsible Tourism With Digital Platforms offers a comprehensive solution by exploring how digital platforms can be leveraged to promote responsible travel practices By examining case studies theoretical frameworks and the latest technological advancements the book provides actionable insights for policymakers industry professionals and travelers alike It serves as a roadmap for integrating responsible tourism principles into the digital landscape ensuring that tourism remains sustainable and beneficial for all stakeholders

Professional Development with Web APIs Denise M. Gosnell,2005-04-01 Shows developers how to harness the power of services such as Google eBay PayPal and Amazon com from within an application whether it is Web based Windows based or even a Microsoft Office application After a quick review of the basics readers will dive into more advanced techniques such as calling the APIs from mobile devices Office VBA programs Windows Forms and Web applications and even how to integrate the various APIs together for a complete solution Veteran Wrox author Denise Gosnell skillfully guides readers through the ins and outs of the various services the anatomy of an API query which features are available via the APIs and how to get results from their own applications Readers will build two fully functional applications to apply what they have learned one a Windows program the other a Web application *American Herbal Products Association's Botanical Safety Handbook, Second Edition* Zoë Gardner,Michael McGuffin,2013-03-15 Access to accurate evidence based and clinically relevant information is essential to anyone who uses or recommends herbal products With input from some of the most respected experts in herbal and integrative medicine this completely revised edition of the American Herbal Products Association s Botanical Safety Handbook reviews both traditional knowledge and contemporary research on herbs to provide an authoritative resource on botanical safety The book covers more than 500 species of herbs and provides a holistic understanding of safety through data compiled from clinical trials pharmacological and toxicological studies medical case reports and historical texts For each species a brief safety summary is provided for quick reference along with a detailed review of the literature Easily understood classification systems are used to indicate the safety of each listed species and the potential for the species to interact with drugs Enhancements to the Second Edition include Classification of each herb with both a safety rating and a drug interaction rating More references listed for each individual herb vetted for accuracy Specific information on adverse events reported in clinical trials or case reports Safety related pharmacology and pharmacokinetics of each herb including drug interactions Additional information on the use of herbs by pregnant or lactating women Toxicological studies and data on toxic compounds Representing the core of the botanical trade and comprising the finest

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