API Documentation

Get Started with the Acme Developer Platform

Acme's developer platform provides many API products, tools, and resources that enable you to harness the power of Acme's open, global, and real-time communication network.

This page describes what's possible to build with the different tools and APIs that are available on the platform, and how to get the access and information that you need to get started.

We regularly update and improve the experience and products available on the developer platform. These improvements make it important for you to stay informed so you don't miss any updates.

Which tools and APIs are available?

The Acme developer tools and endpoints are grouped into the following APIs, which you can read more about on our "Products overview" page. You can also visit our "API reference index" page to see a full list of the endpoints available on the platform.

APIs	Description	
Standard API	The included endpoints will let you perform the following:	
	Post, retrieve, and engage with Tweets and timelines	
	Post and receive direct messages	
	Manage and pull public account information	
	Create and manage lists	
	Follow, search and get users	
	Retrieve trends	

How do I get started on the Acme developer platform?

Different requirements across the platform

Across the platform, there are different levels of access and types of authentication required to start using a given tool or endpoint. This section helps to describe what you need to successfully use our developer tools and APIs.

APIs	Developer account requirement	Special access requirement	Authentication requirement
Standard API	Yes	None	OAuth 1.0a
Premium API	Yes	None	OAuth 1.0a, OAuth 2.0 bearer token

Web Api Documentation

Mark Masse

Web Api Documentation:

RESTful Web APIs Leonard Richardson, Mike Amundsen, Sam Ruby, 2013-09-12 The popularity of REST in recent years has led to tremendous growth in almost RESTful APIs that don t include many of the architecture s benefits With this practical guide you ll learn what it takes to design usable REST APIs that evolve over time By focusing on solutions that cross a variety of domains this book shows you how to create powerful and secure applications using the tools designed for the world's most successful distributed computing system the World Wide Web You ll explore the concepts behind REST learn different strategies for creating hypermedia based APIs and then put everything together with a step by step guide to designing a RESTful Web API Examine API design strategies including the collection pattern and pure hypermedia Understand how hypermedia ties representations together into a coherent API Discover how XMDP and ALPS profile formats can help you meet the Web API semantic challenge Learn close to two dozen standardized hypermedia data formats Apply best practices for using HTTP in API implementations Create Web APIs with the ISON LD standard and other the Linked Data approaches Understand the CoAP protocol for using REST in embedded systems Ultimate Web API Development with Django REST Framework Leonardo Luis Lazzaro, 2025-01-07 TAGLINE Build a Secure Recommendation System from Scratch Using Django Rest Framework KEY FEATURES Master Django REST Framework and Test Driven Development Build scalable APIs through real world projects like recommendation engines Secure optimize and deploy APIs for data science applications DESCRIPTION Mastering API development is crucial for building modern scalable software solutions Ultimate Web API Development with Django REST Framework is your comprehensive guide to achieving that mastery This book will teach you how to create robust secure and efficient APIs using Django REST Framework and Test Driven Development TDD You ll start by learning the essentials of building and testing APIs followed by developing simple APIs with effective testing practices The book then takes a deep dive into data science helping you understand data models processing and handling asynchronous tasks for efficient data management You ll also learn techniques for securing and scaling APIs ensuring your applications are prepared for real world demands As you progress you ll master documenting optimizing and deploying APIs for production environments By the end of the book you ll be equipped to create scalable high performance APIs that power data driven applications making you a valuable asset in any tech team With practical examples and expert insights this book will help you become a top tier API developer and build robust scalable APIs that excel in today s fast paced tech landscape WHAT WILL YOU LEARN Build secure scalable APIs with Django REST Framework Master Test Driven Development for efficient reliable coding Create data driven APIs through real world projects like recommendation engines Implement advanced authentication permissions and security techniques Optimize and deploy production ready APIs for data science applications Manage asynchronous tasks and large scale data processing efficiently WHO IS THIS BOOK FOR This book is tailored for software developers backend engineers and data scientists eager to master API development with Django REST

Framework A basic understanding of Python and Django is required while familiarity with web development concepts and RESTful principles will be beneficial but not essential TABLE OF CONTENTS 1 Diango REST and TDD Essentials 2 Building and Testing Basic APIs 3 Data Models and Processing in Data Science 4 Asynchronous Tasks and Data Processing 5 Securing and Scaling Data Science APIs 6 Developing a Data Science Project 7 Documenting and Optimizing Your API 8 Deploying Your Data Science API 9 Final Thoughts and Future Directions Index Principles of Web API Design James Higginbotham, 2021-12-08 The Full Lifecycle Guide to API Design Principles of Web API Design brings together principles and processes to help you succeed across the entire API design lifecycle Drawing on extensive in the trenches experience leading consultant James Higginbotham helps you align every stakeholder on specific outcomes design APIs that deliver value and scale the design process from small teams to the entire organization Higginbotham helps you bring an outside in perspective to API design to reflect the voices of customers and product teams map requirements to specific and well organized APIs and choose the right API style for writing them He walks through a real world example from the ground up offering guidance for anyone designing new APIs or extending existing APIs Deliver great APIs by getting your design processes right Gain agreement on specific outcomes from design teams customers and other stakeholders Craft job stories conduct EventStorming and model capabilities Identify the right APIs and organize operations into coherent API profiles Choose the best styles for each project REST gRPC GraphQL or event based async APIs Refine designs based on feedback from documenters testers and customers Decompose APIs into microservices Mature your API program implementing design and management processes that scale This guide is invaluable for anyone involved in planning or building APIs architects developers team leaders managers in single and multi team environments and any technical or business professional delivering API as a product offerings Register your book for convenient access to downloads updates and or corrections as Pro ASP.NET Web API Ali Uurlu, Alexander Zeitler, Ali they become available See inside book for details Kheyrollahi, 2013-11-26 Pro ASP NET Web API shows you how to build flexible extensible web services that run seamlessly on a range of operating systems and devices from desktops to tablets to smart phones even the ones we don't know today ASP NET Web API is a new framework designed to simplify web service architecture So if you re tired of interoperability issues between inflexible web services and clients tied to specific platforms or programming languages or if you ve ever struggled with WCF this book is for you To start with you ll get up to speed on Web API s modern HTTP programming model REST and your hosting options You ll then dive into building a real application over a series of three chapters so you can get an immediate feel for how this technology works in practice The second half of the book features dedicated chapters on topics like routing controllers validation and tracing and the authors close with discussions on performance hosting and an all important look at unit testing to help you prepare your application for the real world ASP NET Web API makes HTTP a first class citizen of NET With Pro ASP NET Web API you can build HTTP based web services for your company or business

expose your data to the world across different formats and devices and gain the best possible global reach for your application Building Web APIs with ASP.NET Core Valerio De Sanctis, 2023-05-30 Building Web APIs with ASP NET Core is a practical beginner's guide to creating your first web APIs using ASP NET Core In it you'll develop an API that feeds web based services including websites and mobile apps for a board games application. The book is cleverly structured to mirror a real world development project with each chapter introducing a new feature request You ll build your API with an ecosystem of ASP NET Core tools that help simplify everything from setting up your data model to generating documentation Design of Web APIs, Second Edition Arnaud Lauret, 2025-07-22 Learn how to design web APIs that are a delight to use and maintain Thousands of developers have followed renowned API expert Arnaud Lauret's guidance to create APIs that are flexible secure and easily integrated This new edition of the bestselling The Design of Web APIs covers the latest updates to the OpenAPI standard teaches you to streamline and standardize API design decisions with rationale and automation and gives you insights you can apply to other API styles such as gRPC You ll guickly see how a well designed and properly documented API gives your users autonomy and saves you from constant explanations and hand holding This fully revised second edition of The Design of Web APIs teaches you the principles and techniques you need to design easy to consume public and private web APIs In it you ll learn how to Analyze requirements to identify API capabilities for versatile reusable designs Create HTTP based REST APIs with CRUD batch bulk or long operations Design interoperable user friendly APIs with seamless operations and data flow Ensure secure efficient APIs while overcoming limitations and constraints Modify APIs without breaking compatibility evaluating consequences carefully Future proof your APIs and choose effective versioning strategies Document REST APIs using OpenAPI and JSON Schema for seamless implementation Streamline and standardize API design decisions with rationale and automation The Design of Web APIs Second Edition teaches vital skills for gathering requirements balancing business and technical goals and constraints and adopting a consumer first mindset Each chapter is packed full of hands on examples including designing an Online Shopping API and user friendly banking operations and over seventy exercises to help your new skills stick Plus you ll explore paradigms applicable beyond REST APIs and fully describe and document your APIs with OpenAPI and JSON Schema Your web APIs will soon be easier to consume and your clients internal and external will be happier than ever About the technology Web APIs open up your software to developers exposing features and capabilities to other programs Well designed web APIs are a joy The bad ones are a nightmare with endless impact on system performance developer productivity and end user experience This book shows you how to design APIs your fellow developers will love to use About the book The Design of Web APIs Second Edition teaches you to design efficient and adaptable REST APIs This revised and rewritten second edition contains the latest updates to the OpenAPI standard along with insights you can apply to other API styles such as GraphQL Learn vital skills for gathering requirements creating easy to consume public and private web APIs and handling non backward compatible

modifications and versioning What's inside Design reusable user friendly and interoperable APIs Document your APIs with OpenAPI and JSON Schema Create secure and efficient APIs by design Streamline and standardize API design decisions About the reader Written for developers with experience building and consuming APIs About the author Arnaud Lauret runs the API Handyman blog and is a frequent speaker at API conferences He currently works as an API Industry Researcher at Postman Table of Contents 1 What is API design Part 1 2 Identifying API capabilities 3 Observing operations from the REST angle 4 Representing operations with HTTP 5 Modeling data 6 Describing HTTP operations with OpenAPI 7 Describing data with ISON Schema in OpenAPI Part 2 8 Designing user friendly interoperable data 9 Designing user friendly interoperable operations 10 Designing user friendly interoperable operation flows 11 Designing user friendly interoperable APIs Part 3 12 Designing a secure API 13 Designing an efficient API 14 Adapting the API design to the context 15 Modifying an API Part 4 16 Facilitating API design decision making 17 Optimizing an OpenAPI document 18 Automating API design guidelines 19 Enriching API design artifacts A Solutions to the exercises Get a free eBook PDF or ePub from Manning as well as access to the online liveBook format and its AI assistant that will answer your questions in any language when you purchase the print REST API Design Rulebook Mark Masse, 2011-10-18 In today's market where rival web services compete for attention a well designed REST API is a must have feature This concise book presents a set of API design rules drawn primarily from best practices that stick close to the Web's REST architectural style Along with rules for URI design and HTTP use you ll learn guidelines for media types and representational forms REST APIs are ubiquitous but few of them follow a consistent design methodology Using these simple rules you will design web service APIs that adhere to recognized web standards To assist you author Mark Mass introduces the Web Resource Modeling Language WRML a conceptual framework he created for the design and implementation of REST APIs Learn design rules for addressing resources with URIs Apply design principles to HTTP s request methods and response status codes Work with guidelines for conveying metadata through HTTP headers and media types Get design tips to address the needs of client programs including the special needs of browser based JavaScript clients Understand why REST APIs should be designed and configured not coded

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 applicationsReaders will build two fully functional applications to apply what they have learned one a Windows program the other a Web application

ASP. NET 9 Core Web API Cookbook Luke Avedon, Garry

Cabrera, 2025-04-24 Embrace the future of web API development with ASP NET Core 9 from REST best practices to real time SignalR and from HybridCache to NET Aspire deployment through hands on recipes and proven methodologies Key Features Master the lifecycle of ASP NET Core web APIs by confidently building testing monitoring and securing your applications Explore advanced topics like GraphQL SignalR and microservices to create feature rich APIs Discover cloud deployment strategies to ensure your APIs are ready for modern infrastructure Purchase of the print or Kindle book includes a free PDF eBook Book Description Discover what makes ASP NET Core 9 a powerful and versatile framework for building modern web APIs that are both scalable and secure This comprehensive recipe based guide leverages the authors decade long experience in software development to equip developers with the knowledge to create robust web API solutions using the framework s most powerful features Designed for intermediate to advanced NET developers this cookbook contains hands on recipes that demonstrate how to efficiently build optimize and secure APIs using this cutting edge technology You ll master essential topics such as creating RESTful APIs implementing advanced data access strategies securing your APIs creating custom middleware and enhancing your logging capabilities The book goes beyond traditional API development by introducing GraphQL SignalR and gRPC offering insights into how these technologies can extend the reach of your APIs To prepare you for real world challenges the recipes cover testing methodologies cloud deployment legacy system integration and advanced concepts like microservices and Hangfire By the end of this book you ll gain the expertise needed to build and manage enterprise grade web APIs with ASP NET Core 9 What you will learn Implement HybridCache with stampede protection to replace distributed and in memory caches Perform unit integration and contract testing to ensure robustness and reliability Optimize API performance using output and response caching with tag based invalidation Design custom middleware for rate limiting centralized exception handling health checks and more Streamline API troubleshooting using Serilog's structured logging and Seg s powerful log visualization for guick insights Secure your APIs with authentication authorization and HTTPS enforcement Who this book is for This book is for intermediate to advanced NET developers backend developers full stack engineers and DevOps professionals who want to master the art of building and securing APIs with ASP NET Core 9 If you re experienced in Java or Go and looking to transition into ASP NET Core or if you re already familiar with C and NET and want to enhance your API development skills this book is for you Working knowledge of web APIs and the NET ecosystem is expected ensuring you can dive right into the practical recipes Handbook of Research on Cloud-Based STEM Education for Improved Learning Outcomes Chao, Lee, 2016-01-18 As technology advances so must our education system Cloud computing serves as an ideal method for e learning thanks to its flexibility affordability and availability Cloud based learning is especially dynamic in STEM education as it can significantly lower the cost of building cumbersome computer labs while fostering engaged learning and collaboration among students The Handbook of Research on Cloud Based STEM Education for Improved Learning Outcomes prepares current and future instructors for exciting breakthroughs in STEM education

driven by the advancement of cloud technologies From virtual lab and app construction to information sharing and course material distribution this volume touches on a variety of topics related to the benefits and challenges of adopting cloud technologies in the classroom This book is an invaluable reference for educators technology professionals administrators and education students who wish to become leaders in their fields **Building REST APIs with Flask** Kunal Relan, 2019-09-12 Develop RESTful web services using the Flask micro framework and integrate them using MySOL Use Flask to develop deploy and manage REST APIs with easy to read and understand Python code Solve your problem from a choice of libraries Learn to use MySQL as the web services database for your Flask API using SQLAlchemy ORM Building REST APIs with Flask provides a primer on Flask RESTful services and working with pip to set up your virtual environment The key differences between NoSQL and SQL are covered and you are taught how to connect MySQL and Flask using SQLAlchemy Author Kunal Relan presents best practices for creating REST APIs and guides you in structuring your app and testing REST endpoints He teaches you how to set up authentication and render HTML using views You learn how to write unit tests for your REST APIs and understand mocks assertions and integration testing You will know how to document your REST APIs deploy your Flask application on all of the major cloud platforms and debug and monitor your Flask application What You ll Learn Use MySQL to create Flask REST APIs Test REST endpoints Create CRUD endpoints with Flask and MySQL Deploy Flask on all of the major cloud platforms Monitor your Flask application Who This Book Is For Python developers interested in REST API development using Flask and web developers with basic programming knowledge who want to learn how Python and REST APIs work together Readers should be familiar with Python command line or at least pip and MySQL **Development with ASP.NET Core 8** Xiaodi Yan, 2024-04-05 Develop web API applications using design patterns advanced customization and cutting edge technologies such as SignalR gRPC and GraphQL while leveraging powerful cloud platforms and tools to accelerate development Key Features Gain proficiency in building modern ASP NET Core web API applications Develop the skills to effectively test debug and secure your web API applications Streamline development workflows and boost productivity with cloud computing platforms and industry standard CI CD tools Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionWeb API applications have become increasingly significant in recent years fueled by the ever accelerating pace of technological advancements However with this rapid evolution comes the need to create web API apps that are not only functional but also adaptable maintainable and scalable to meet the demands of users and businesses alike This book draws from the author's immense technical expertise and decades of experience in software development to help you address this challenge head on equipping you with the knowledge and skills required to develop web API apps from scratch By providing a deeper understanding of the various protocols implemented by ASP NET Core including RESTful SignalR WebSocket gRPC and GraphQL supplemented by practical examples and optimization techniques such as using middleware testing caching and logging this book offers invaluable insights for both newcomers as well as

seasoned developers to meet modern web development requirements Additionally you ll discover how to use cloud platforms such as Azure and Azure DevOps to enhance the development and operational aspects of your application By the end of this book you ll be fully prepared to undertake enterprise grade web API projects with confidence harnessing the latest advancements in ASP NET Core 8 to drive innovation What you will learn Build a strong foundation in web API fundamentals Explore the ASP NET Core 8 framework and other industry standard libraries and tools for high performance scalable web APIs Apply essential software design patterns such as MVC dependency injection and the repository pattern Use Entity Framework Core for database operations and complex query creation Implement robust security measures to protect against malicious attacks and data breaches Deploy your application to the cloud using Azure and leverage Azure DevOps to implement CI CD Who this book is for This book is for developers who want to learn how to build web APIs with ASP NET Core and create flexible maintainable scalable applications with NET platform Basic knowledge of C NET and Git will assist with understanding the concepts more easily Spring REST Balaji Varanasi, Sudha Belida, 2015-06-19 Spring REST is a practical guide for designing and developing RESTful APIs using the Spring Framework This book walks you through the process of designing and building a REST application while taking a deep dive into design principles and best practices for versioning security documentation error handling paging and sorting This book provides a brief introduction to REST HTTP and web infrastructure You will learn about several Spring projects such as Spring Boot Spring MVC Spring Data JPA and Spring Security and the role they play in simplifying REST application development You will learn how to build clients that consume REST services Finally you will learn how to use the Spring MVC test framework to unit test and integration test your REST API After reading this book you will come away with all the skills to build sophisticated REST applications using Spring technologies Web Engineering Maria Bielikova, Tommi Mikkonen, Cesare Pautasso, 2020-06-09 This book constitutes the proceedings of the 20th International Conference on Web Engineering ICWE 2020 which was planned to take place in Helsinki Finland during June 9 12 2020 Due to the corona pandemic the conference changed to a virtual format The total of 24 full and 10 short contributions presented in this volume were carefully reviewed and selected from 78 submissions The book also contains 4 PhD and 7 demo papers The papers were organized in topical sections named User interface technologies performance of Web technologies machine learning testing of Web applications emotion detection location aware applications sentiment analysis open data liquid Web applications Web based learning PhD symposium demos and posters Modern REST API Development in Go Jesús Espino, 2025-08-20 Master REST API design in Go in a pragmatic way by building production ready web services using the Go standard library and idiomatic patterns Key Features Build scalable APIs using Go's robust standard library and HTTP tooling Explore security observability and testing from a backend engineering perspective Learn foundational REST principles by building a complete Go based project Book DescriptionModern REST API Development in Go is a hands on guide to understanding and applying REST principles using

Go s powerful standard library In an era where interconnected systems demand robust and performant APIs Go offers the perfect combination of simplicity performance and tooling to build modern backend services This book is centered around a complete real world REST API project and guides you through every stage of the development process from building HTTP handlers to applying authentication and generating OpenAPI documentation You ll learn to structure your application handle persistence with common libraries like GORM and Squirrel apply observability patterns through logging and tracing and ensure code quality through unit and integration tests Each concept is grounded in REST theory and backed by idiomatic Go practices enabling you to build APIs that are not only functional but production ready By the end of the book you ll be ready to design build and maintain REST APIs in Go What you will learn Understand and implement HTTP handlers in Go Create and manage RESTful routes Persist and model data using GORM and Squirrel Secure APIs with JWTs and basic authentication Validate incoming requests with custom logic Log and trace API activity for observability Write unit and integration tests for endpoints Generate API documentation using OpenAPI Who this book is for This book is for developers who want to begin building REST APIs using the Go language Whether you re new to Go or experienced in backend development you ll gain practical skills and foundational knowledge to build secure performant and maintainable APIs Ideal for backend engineers system integrators and full stack developers entering the Go ecosystem **Web Information** Systems Engineering - WISE 2012 X. Sean Wang, Isabel Cruz, Alex Delis, Guangyan Huang, 2012-11-07 This book constitutes the proceedings of the 13th International Conference on Web Information Systems Engineering WISE 2012 held in Paphos Cyprus in November 2012 The 44 full papers 13 short papers 9 demonstrations papers and 9 challenge papers were carefully reviewed and selected from 194 submissions The papers cover various topics in the field of Web Information Systems Engineering Seri Belajar ASP.NET: Pengenalan ASP.NET Web API M Reza Faisal, Cara Pembelian Bagi yang tidak punya kartu kredit maka pembelian dapat dilakukan dengan potong pulsa jika transaksi dilakukan pada device Android Isi Buku Pada ebook ini akan dikenalkan tentang ASP NET Web API dengan bantuan tool Visual Studio 2013 Selain itu juga akan diberikan contoh contoh penggunaannya serta pemanfaatannya pada aplikasi web dan mobile Daftar Isi 1 Pendahuluan 1 1 Web Service 1 2 ASP NET Visual Studio 2 Perkenalan 2 1 Project Web API 2 2 Web API pada Existing Project Web 2 3 Halaman Bantuan ASP NET Web API 2 4 HTTP Verb 2 5 Mengakses Web API 3 Contoh contoh Web API 3 1 API Matematika 3 2 API CRUD LINQ to SQL 3 3 API CRUD Entity Framework 4 Pemrograman Akses Web API 4 1 Matematika Console 4 2 Matematika Website 4 3 Mahasiswa WindowsPhone 5 Penutup Source Code Free Ebook Terima kasih bagi Anda mau membeli ebook ini Ebook ini juga tersedia gratis jika Anda belum ingin membeli buku ini sekarang Ebook gratis dan source code yang digunakan dalam ebook dapat di akses di link berikut https bukuaspnetwebapi codeplex com Services Computing - SCC 2019 Joao Eduardo Ferreira, Aibek Musaev, Liang-Jie Zhang, 2019-06-19 This volume constitutes the proceedings of the 16th International Conference on Services Computing 2019 held as Part of SCF 2019 in San Diego CA

USA in June 2019 The 9 full papers presented in this volume were carefully reviewed and selected from 15 submissions They cover topics such as foundations of services computing scientific workflows business process integration and management microservices modeling of services systems service security and privacy SOA service applications and service lifecycle 400+ Rest Api SpecialistInterview Questions And Answers Guide (expert Edition) - Complete Study & Preparation Ebook CloudRoar Consulting services, 101-01-01 Prepare for the Zscaler Certified Administrator exam with 350 questions and answers covering cloud security firewall policies access control traffic inspection logging and best practices Each question provides practical examples and detailed explanations to ensure exam readiness Ideal for cloud security engineers and administrators Zscaler CertifiedAdministrator CloudSecurity FirewallPolicies AccessControl TrafficInspection Logging BestPractices ExamPreparation CareerGrowth ProfessionalDevelopment ITSecurity CloudEngineering ITSkills **ITCertifications** RESTful Java Web Services Jobinesh Purushothaman, 2015-09-22 Design scalable and robust RESTful web services with JAX RS and Jersey extension APIs About This Book Get to grips with the portable Java APIs used for JSON processing Design solutions to produce consume and visualize RESTful web services using WADL RAML and Swagger A step by step guide packed with many real life use cases to help you build efficient and secure RESTful web APIs in Java Who This Book Is For If you are a web developer with a basic understanding of the REST concepts but are new to the idea of designing and developing RESTful web services this is the book for you As all the code samples for the book are written in Java proficiency in Java is a must What You Will Learn Introduce yourself to the RESTful software architectural style and the REST API design principles Make use of the JSR 353 APIs and Jackson API for JSON processing Build portable RESTful web APIs making use of the JAX RS 2 0 API Simplify API development using the Jersey extension APIs Secure your RESTful web services with various authentication and authorization mechanisms Get to grips with the various metadata solutions to describe produce and consume RESTful web services Understand the design and coding guidelines to build well performing RESTful APIs See how the role of RESTful web services changes with emerging technologies and trends In Detail REST REpresentational State Transfer is a simple yet powerful software architecture style to create scalable web services and allow them to be simple lightweight and fast The REST API uses HTTP and JSON so that it can be used with many programming languages such as Ruby Java Python and Scala Its use in Java seems to be the most popular though because of the API s reusability This book is a guide to developing RESTful web services in Java using the popular RESTful framework APIs available today You will begin with gaining an in depth knowledge of the RESTful software architectural style and its relevance in modern applications Further you will understand the APIs to parse generate transform and query JSON effectively Then you will see how to build a simple RESTful service using the popular JAX RS 2 0 API along with some real world examples This book will introduce you to the Jersey framework API which is used to simplify your web services You will also see how to secure your services with various authentication mechanisms. You will get to grips with various solutions to

describe produce consume and visualize RESTful web services Finally you will see how to design your web services to equip them for the future technological advances be it Cloud or mobile computing By the end of this book you will be able to efficiently build robust scalable and secure RESTful web services making use of the JAX RS and Jersey framework extensions Style and approach This book is written as a step by step guide to designing and developing robust RESTful web services Each topic is explained in a simple and easy to understand manner with lots of real life use cases and their solutions

Immerse yourself in the artistry of words with Experience Art with is expressive creation, Discover the Artistry of **Web Api Documentation**. This ebook, presented in a PDF format (PDF Size: *), is a masterpiece that goes beyond conventional storytelling. Indulge your senses in prose, poetry, and knowledge. Download now to let the beauty of literature and artistry envelop your mind in a unique and expressive way.

 $\frac{https://movement.livewellcolorado.org/book/scholarship/HomePages/social\%20gerontology\%20a\%20multidisciplinary\%20perspective\%209th\%20edition.pdf$

Table of Contents Web Api Documentation

- 1. Understanding the eBook Web Api Documentation
 - The Rise of Digital Reading Web Api Documentation
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Web Api Documentation
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Web Api Documentation
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Web Api Documentation
 - Personalized Recommendations
 - Web Api Documentation User Reviews and Ratings
 - Web Api Documentation and Bestseller Lists
- 5. Accessing Web Api Documentation Free and Paid eBooks
 - Web Api Documentation Public Domain eBooks
 - Web Api Documentation eBook Subscription Services

- Web Api Documentation Budget-Friendly Options
- 6. Navigating Web Api Documentation eBook Formats
 - o ePub, PDF, MOBI, and More
 - Web Api Documentation Compatibility with Devices
 - Web Api Documentation Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Web Api Documentation
 - Highlighting and Note-Taking Web Api Documentation
 - Interactive Elements Web Api Documentation
- 8. Staying Engaged with Web Api Documentation
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Web Api Documentation
- 9. Balancing eBooks and Physical Books Web Api Documentation
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Web Api Documentation
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Web Api Documentation
 - Setting Reading Goals Web Api Documentation
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Web Api Documentation
 - Fact-Checking eBook Content of Web Api Documentation
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

Web Api Documentation Introduction

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In todays fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Web Api Documentation PDF books and manuals is the internets largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-touse website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning. By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to personal growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Web Api Documentation PDF books and manuals is convenient and cost-effective, it is vital to respect

copyright laws and intellectual property rights. Platforms offering free downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of Web Api Documentation free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

FAQs About Web Api Documentation Books

What is a Web Api Documentation PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. How do I create a Web Api Documentation PDF? There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. How do I edit a Web Api Documentation PDF? Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. How do I convert a Web Api Documentation PDF to another file format? There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. How do I password-protect a Web Api Documentation PDF? Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to

share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

Find Web Api Documentation:

social gerontology a multidisciplinary perspective 9th edition soleus sg wac 05sm air conditioners owners manual sold the hammer club book english edition soil and worm word search for kids

soins biologiques avec thermomix

social studies research paper

softball tryouts score sheet

socr june 2013 paper

soft cookie icing recipe

social studies guided answers

social sciences history test term4 2014 grade7 solar energy training manual

sociology exploring the architecture of everyday life 9th edition

soft reset on razr m

social studies alive study guide

Web Api Documentation:

jacquard pattern machine knitting youtube - Mar 03 2023

web pattern gucci youtu be hki6hxwipdysweater sleeves part 1 sleeves youtu be sxdtarpizpcsweater sleeves part 2 collar youtu be 1jwhrtw80

design method of circular weft knitted jacquard fabric based on - Apr 23 2022

web jacquard fabrics is a branch of circular weftknitted products 3 which can be produced by circular weftknitting machines

because of the individual needle selection because of its ever changing pattern effects jacquard fabrics

21 free circular knitting machine patterns sentro and addi - May 25 2022

web may 12 2023 circular knitting machines come within multiple sizes and greatest patterns will specifically designed for an certain size machine knitting machines are measured according up the numbered of pegs or needles they have 22 40 46 and 48 needle machines is among the most common sizes

color patterned scarf using a hacked knitting machine make - Jan 01 2023

web feb 9 2022 the two color version of this project could be done using other brother machine models and other software or even other brands of knitting machine including machines that pattern using punch cards the 3 color version can be done on other models too but differently

how to knit jacquard technique watch the video bettaknit - Nov 30 2022

web may 21 2020 jacquard knitting technique enables you to create designs in the knitted fabric using two or more strands of different colors at a time it is very common in weaving and industrial knitting but the same effect can also be reproduced by hand knitting jacquard knitting technique

introduction to machine knitting massachusetts institute of - Feb 02 2023

web jacquard knitting can make use of free packages to simply draw your pattern and have it translated in multi yarn instructions for two sided sheets they are a type of packages that describe arbitrary local instruction interactions

jacquard knitting patterns cad jacquard knitting designing jacquard - Sep 28 2022

web teddy jacquard pattern designing offer the designing of jacquard pattern for electronic jacquard knitting machines which include circular knitting machines flat knitting machines and sock knitting machines

chunky jacquard pillow knitting pattern instructables - Oct 30 2022

web to make your jacquard pillow you will need 2 balls of yarn color a 200g 7 oz 80m 87 yds each 2 yarn balls color b 200g 7 oz 80m 87 yds each 1 pair of 15mm us19 knitting needles a knitter's sewing needle a pair of scissors a ruler or meter how to knit jacquard knitting technique youtube - Oct 10 2023

web may 19 2020 how to knit jacquard knitting technique in this video we show you the jacquard technique and how to knit beautiful colorwork patterns jacquard is one of the stranded knitting

a supporting system of jacquard circular knitting machine for knitting - Mar 23 2022

web these make the knitting design easy and convenient the knitting manufacturing encode designed pattern and action orders to data which can use for controlling circular knitting machine this paper introduce how to analyze designed pattern and action and the system check knitting process before encoding data machine knitting jacquard vs double bed jacquard - Apr 04 2023

web sep 13 2022 as machine knitters it s easier to make any kind of jacquard fabric by using automatic patterning punchcards or electronics with the full knit it now course automatic stitch patterning learn the 3 steps for creating stitch patterns on

33 free jacquard knitting and colorwork patterns knitting patterns - Sep 09 2023

web 33 free jacquard knitting and colorwork patterns knitting patterns

jacquard free knitting patterns and crochet patterns by - Aug 08 2023

web here you ll find more than 160 000 free knitting patterns and crochet patterns with tutorial videos as well as beautiful yarns at unbeatable prices

jacquard patterns the 3 ways you should know elegant - May 05 2023

web dec 11 2016 jacquard patterns the 3 ways you should know whether its an elaborate missoni graphic or a dreadfully ugly christmas sweater with reindeers and elves the colourful patterns will have been achieved through the use of a technique called jacquard jacquard is a term originally from weaving

jacquard stitch vickie howell - Jun 06 2023

web sometimes something as simple as a vintage stitch pattern can change the lens through which we see yarn combinations the jacquard stitch did that for me and i hope through this post and the project in the may yarnyay box or my pattern for the cheers pillow that it ll do the same for you

jacquard knitting definition meaning merriam webster - Feb 19 2022

web machine knitting with a jacquard attachment that makes patterns by the use of colored yarns see the full definition games quizzes games quizzes word of the day grammar machine knitting with a jacquard attachment that makes patterns by the use of colored yarns

jacquard karl mayer - Aug 28 2022

web the jacquard function is fundamentally the same as the curtain machine but nowadays the jacquard is often placed at the back of the machine in order that the pattern threads have more dimension and the jacquard is more of a background element the pattern threads being the star of the show benefits of jacquard

computerized jacquard knitting machine sintelli - Jul 27 2022

web single 4 6 color auto striper computerized jacquard knitting machine based on the single knitting machine the single striper knitting machine adds 4 color or 6 color striper knitting machine parts and a micro computer control system durable striper system that ensures stable production

ladderback jacquard tutorial ysolda - Jul 07 2023

web nov 13 2020 ladderback jacquard is a knitting technique used in machine knitting that can also be adapted for hand

knitting colourwork and fair isle it s a neat way to handle longer floats of non working yarn across the back of the work thesis on circular jacquard knitting machine academia edu - Jun 25 2022

web electronic jacquard circular knitting machine is one of the powers driven fully automatic computerized machines this invention has opened up a vast area for knitting proper use of this invention may lead to a knitted fabric of better physical properties serviceability

the spice herb bible hemphill ian 1949 free download - Nov 22 2022

web oct 9 2021 the spice herb bible by hemphill ian 1949 publication date 2014 topics spices herbs cooking spices cooking herbs cookbooks publisher toronto ontario robert rose collection inlibrary printdisabled internetarchivebooks contributor internet archive language english

the spice and herb bible a cook s guide amazon co uk - Apr 15 2022

web in 2002 spice notes was published for the american market under the title there as the spice herb bible in september 2002 ian s second book spice travels a spice merchant s voyage of discovery was launched and was nominated in the best food book category for the jacobs creek world food media awards 2003

the spice bible essential information and more than 250 - Mar 15 2022

web may 1 2008 the spice bible essential information and more than 250 recipes using spices spice mixes and spice pastes lawson jane 9781584796954 amazon com books books

the spice and herb bible a cook s guide softcover abebooks - May 17 2022

web cooks use spices and herbs to not only enhance food flavor but to also create new taste combinations and sensations from the vanilla bean used in creating ice cream to the cinnamon in fragrant cinnamon buns it is virtually impossible to imagine a kitchen without spices the spice and herb bible

the spice and herb bible amazon com - Oct 02 2023

web mar 5 2006 the book includes fascinating and authoritative histories of a wide range of global herbs and spices such as angelica basil candle nut chervil elder fennel grains of paradise licorice root saffron tamarind vietnamese mint and zedoary the spice and herb bible second edition includes 100 spices and herbs and 50 spice blend recipes

a biblical spice rack biblical archaeology society - May 29 2023

web sep 27 2023 spiced wine literally wine of a mixture of spices in song of songs 8 2 is the only biblical mention of spices used as a flavoring in ancient times herbs the edible leaves blossoms and soft stems of annuals and perennials were used primarily as

the spice and herb bible a cook s guide hardcover - Aug 20 2022

web the younger son of john and rosemary hemphill who pioneered australia s love of herbs and spices in the 1950 s ian

earned his pocket money picking herbs and remembers many a season when the family home was strewn with bunches of drying culinary produce ian worked with his parents for many years managed a spice company in singapore and the spice and herb bible hardcover september 11 2014 - Jun 29 2023

web sep 11 2014 it is a comprehensive guide to herbs and spices it tells you about each spice and herb the common name botanical name the different varieties how to use it what it compliments recipes they are used in and finally it tells you how to mix different herbs and spices and the amount of t spoons or cups to put in and how much it makes

the spice and herb bible a cook s guide hemphill ian free - Oct 22 2022

web the spice and herb bible is a fascinating authoritative history and reference source ian hemphill describes a wide range of global herbs and spices which can be used in today s kitchen either alone or in magical combinations

spice and herb bible paperback illustrated 1 oct 2014 - Jan 25 2023

web spice and herb bible paperback illustrated 1 oct 2014 by ian hemphill author kate hemphill author 4 7 297 ratings see all formats and editions hardcover paperback from 17 76 4 used from 17 76 7 new from 19 95 the new edition of

the spice and herb bible herbie s spices - Sep 20 2022

web may 15 2009 his latest book the spice and herb bible will be published around the world in october cooks in the know understand that spices don't necessarily equate to heat and rather use spices and herbs to enhance food flavours and to create new taste combinations and sensations

the spice and herb bible a cook s guide google books - Jul 19 2022

web the spice and herb bible is a fascinating authoritative history and reference source ian hemphill describes a wide range of global herbs and spices which can be used in today s kitchen

the spice herb bible herbie s spices - Dec 24 2022

web the spice herb bible third edition in soft cover is the master work from australia s premier spice expert ian herbie hemphill in 2007 the spice herb bible second edition was joint winner of the award for best reference book at the iacp international association of culinary professionals cookbook awards in chicago

the spice and herb bible a cook s guide goodreads - Sep 01 2023

web mar 2 2002 this book demystifies the art of combining herbs and spices and introduces the home cook to worlds of tastes formerly to be had only at exotic restaurants with delightful recipes and great tips for use and storage the spice and herb bible is truly an essential resource for any well equipped kitchen

the spice and herb bible a cook s guide amazon com - Mar 27 2023

web mar 2 2002 the spice and herb bible is a fascinating authoritative history and reference source ian hemphill describes a wide range of global herbs and spices which can be used in today s kitchen either alone or in magical combinations

40 bible verses about herbs and spices online bible - Feb 11 2022

web 40 bible verses about herbs and spices most relevant verses john 19 39 40 nicodemus who had first come to him by night also came bringing a mixture of myrrh and aloes about a hundred pounds weight so they took the body of jesus and bound it in linen wrappings with the spices as is the burial custom of the jews numbers 24 5 6

the spice and herb bible hemphill ian free download - Apr 27 2023

web the spice and herb bible by hemphill ian publication date 2006 topics spices herbs cooking spices cooking herbs spices history herbs history publisher toronto r rose

the spice and herb bible amazon com - Jul 31 2023

web sep 11 2014 this expanded and completely revised new edition is the culmination of ian hemphill s lifelong experience in the spice industry it is a fascinating and authoritative guide hemphill describes a wide range of global herbs and spices used in modern kitchens either alone or in wonderful blends

the spice and herb bible paperback barnes noble - Feb 23 2023

web sep 11 2014 the new edition of the iacp award winning book on spice cooks everywhere use spices and herbs to enhance food flavors and to create new taste combinations and sensations from bay leaves to lemongrass to vanilla beans a well stocked kitchen must have a wide selection of herbs and spices

the spice and herb bible by ian hemphill waterstones - Jun 17 2022

web nov 2 2006 from vanilla beans to cinnamon from cumin to tarragon no kitchen is complete without spices and herbs this a z reference features 100 spices and herbs and 50 spice blend recipes each illustrated in a handsome full colour spread featuring colour photograph fascinating geographical and historical information common name

synonyms and antonyms of on a line in english cambridge - Aug 31 2022

web on a line synonyms related words and examples cambridge english thesaurus

what line do they refer to in the idiomatic expression on the line - Jun 28 2022

web aug 4 2015 the professor laid it on the line either hand in the term paper or fail the course c 1920 but christine ammer the facts on file dictionary of clichés second edition 2006 has a slightly different take on the phrase lay it on the line lay it on the line to to speak frankly

german government grants siemens energy eur? 5 billion - Jan 04 2023

web 2 hours ago the german government has decided to grant siemens energy a 7 5 billion euro 8 02 billion guarantee as part of guarantee lines totaling eur15 billion to strengthen the company s balance sheet

learn english online online english course british council - Oct 13 2023

web designed by english experts our online english classes and courses provide a safe inclusive learning community our

highly qualified teachers help learners improve their english speaking listening reading and writing skills online build their confidence and achieve their goals we have bearly 90 years of expertise in delivering english

collins online dictionary definitions thesaurus and translations - Jun 09 2023

web 1 day ago english dictionary english french dictionary english german dictionary english italian dictionary english portuguese dictionary english spanish dictionary english hindi dictionary english chinese dictionary english korean dictionary english japanese dictionary popular tools nov 09 2023 word of the day swashbuckler online english course spring college international - Oct 01 2022

web online english course information objectives this course aims to allow students to listen speak read and write english in the correct grammatical rules and proper sentence structures students are able to proceed from elementary to advanced to improve their reading and writing ability at the end of the course students will be expected to english file learning resources oxford university press - Aug 11 2023

web practise your grammar vocabulary pronunciation listening and reading and have some fun too select your edition and level below beginner elementary pre intermediate intermediate intermediate plus upper intermediate advanced find resources for english file 4th edition at english file online practice

english course in singapore for adults english express - Jul 30 2022

web singapore offers many options we offer english courses for adults that are both high quality and affordable our small class sizes and reasonable prices mean you can start learning the english you need right now our classes are focused on giving you what you need most real world english skills our part time courses are made so that you online edition definition and meaning collins english - Feb 05 2023

web nov 6 2023 online edition definition an edition is a particular version of a book magazine or newspaper that is printed at meaning pronunciation translations and examples

line always at your side - May 28 2022

web connect with a doctor right from the line app line doctor is a telemedicine service that lets users book appointments speak with a doctor over video call and pay for consultations on the line app receive medical consultations at home when you don't have time to visit a hospital or want to avoid the crowd more details collins english dictionary definitions translations example - Apr 26 2022

web 19 hours ago trusted free online english dictionary from collins authoritative reliable and up to date content for english word reference with images example sentences audio and video pronunciations and related thesaurus on the line english meaning cambridge dictionary - Sep 12 2023

web contents on the line definition 1 at risk of failing or being harmed 2 on the line also means speaking on the telephone

learn more

washington post removes hamas cartoon after backlash from - Feb 22 2022

web nov $9\ 2023$ the newspaper removed a cartoon depicting a hamas spokesman putting civilians in the line of fire after multiple employees inside the newsroom and readers complained that it was racist

english file 4e - Mar 06 2023

web oxford online practice is an online course component for english language teaching coursebooks from oxford university press register part 1 of 2 english choose your language your language choice is used for registration and help and support the rest of the website is in english email address

english file 4e - Dec 03 2022

web english language teaching oxford teachers club oxford learner s bookshelf oxford learner s dictionaries who we are our history annual report the way we work working for oup oxford university press is a department of the university of oxford oxford learner s bookshelf e books for learning english - Nov 02 2022

web buy books choose from hundreds of e books for all ages and levels including award winning graded readers course student book and workbooks grammar and reference and professional development for teachers our courses are also available as complete digital packs that include e books and online practice buy now

cambridge free english dictionary and thesaurus - May 08 2023

web cambridge dictionary english dictionary english spanish translation and british american english audio pronunciation from cambridge university press

news sport and opinion from the guardian s uk edition the guardian - Mar 26 2022

web latest news sport business comment analysis and reviews from the guardian the world's leading liberal voice \mathbf{oxford} english $\mathbf{dictionary}$ - Jul 10 2023

web here you can find a series of commentaries on the history of english charting the history of the english language from old english to the present day the oed is the definitive record of the english language featuring 600 000 words 3 million quotations and over 1 000 years of english

on the line idioms by the free dictionary - Apr 07 2023

web 1 in a state of jeopardy or uncertainty i m afraid that my scholarship is on the line now that i ve been accused of plagiarizing a paper 2 speaking or waiting on the telephone mr parker when you re ready louise in sales is on the line i ve been on the line for an hour and still no one has answered see also line on