

The Type Hierarchy

Here is the entire hierarchy in a single file.

Types that have multiple parents are expanded out only once and have an asterisk

DataType

- | Boolean
- | Date
- | Number
- | | Float
- | | Integer
- | Text
- | | URL

Thing: name, url, image, description

- | CreativeWork: encodings, headline, keywords, about, datePublished
- | author, contentRating, inLanguage, audio, video
- | genre, editor, awards, publisher, isFamilyFriendly
- | contentLocation, interactionCount, aggregateRating, offers, reviews
- | | Article: articleSection, articleBody
- | | | BlogPosting
- | | | NewsArticle
- | | | ScholarlyArticle
- | | Blog: blogPosts
- | | Book: illustrator, bookEdition, bookFormat, numberOfPages, isbn
- | | ItemList: itemListElement
- | | Map
- | | MediaObject: encodesCreativeWork, width, height, regionsAllowed, embedURL
- | | bitrate, encodingFormat, playerType, duration, expires
- | | contentURL, requiresSubscription, uploadDate, contentSize, interactionCount
- | | offers
- | | | AudioObject
- | | | ImageObject: thumbnail, representativeOfPage, caption, exifData
- | | | MusicVideoObject
- | | | VideoObject: thumbnail, caption

		Movie : duration, director, actors, producer, trailer
		productionCompany, musicBy
		MusicPlaylist : tracks, numTracks
		MusicAlbum : byArtist
		MusicRecording : duration, byArtist, inAlbum, inPlaylist
		Painting
		Photograph
		Recipe : prepTime, cookTime, cookingMethod, totalTime, nutrition
		ingredients, recipeInstructions, recipeYield, recipeCuisine, recipeCategory
		Review : reviewBody, itemReviewed, reviewRating
		Sculpture
		TVEpisode : director, actors, producer, productionCompany, partOfTVSeries
		partOfSeason, episodeNumber, musicBy
		TVSeason : trailer, episodes, partOfTVSeries, seasonNumber, startDate
		endDate, numberOfEpisodes
		TVSeries : director, actors, producer, trailer, productionCompany
		episodes, seasons, startDate, endDate, numberOfEpisodes
		musicBy
		WebPage : breadcrumb, mainContentOfPage, primaryImageOfPage, isPartOf, significantLinks
		AboutPage
		CheckoutPage
		CollectionPage
		ImageGallery
		VideoGallery
		ContactPage
		ItemPage
		ProfilePage
		SearchResultsPage
		WebPageElement
		SiteNavigationElement
		Table
		WPAdblock
		WPFooter
		WPHeader
		WPSideBar
		Event : duration, endDate, location, startDate, endDate
		performers, attendees, subEvents, superEvent, offers
		BusinessEvent
		ChildrensEvent
		ComedyEvent
		DanceEvent
		EducationEvent
		Festival
		FoodEvent
		LiteraryEvent
		MusicEvent
		SaleEvent
		SocialEvent
		SportsEvent

	TheaterEvent
	UserInteraction
	UserBlocks
	UserCheckins
	UserComments
	UserDownloads
	UserLikes
	UserPageVisits
	UserPlays
	UserPlusOnes
	UserTweets
	VisualArtsEvent
	Intangible
	Enumeration
	BookFormatType
	ItemAvailability
	OfferItemCondition
	Language
	Offer : aggregateRating, reviews, price, priceCurrency, priceValidUntil seller, itemCondition, availability, itemOffered
	AggregateOffer : lowPrice, highPrice, offerCount
	Quantity
	Distance
	Duration
	Mass
	Rating : bestRating, worstRating, ratingValue
	AggregateRating : itemReviewed, ratingCount, reviewCount
	StructuredValue
	ContactPoint : email, telephone, faxNumber, contactType
	PostalAddress : streetAddress, addressLocality, addressRegion, postalCode, postOfficeBoxNu addressCountry
	GeoCoordinates : latitude, longitude, elevation
	NutritionInformation : servingSize, calories, fatContent, saturatedFatContent, unsaturatedFatConter transFatContent, carbohydrateContent, sugarContent, fiberContent, prot cholesterolContent, sodiumContent
	Organization : interactionCount, location, employees, members, foundingDate founders, contactPoints, email, events, address telephone, faxNumber, aggregateRating, reviews
	Corporation
	EducationalOrganization : alumni
	CollegeOrUniversity
	ElementarySchool
	HighSchool
	MiddleSchool
	Preschool
	School
	GovernmentOrganization
	LocalBusiness : branchOf, openingHours, paymentAccepted, currenciesAccepted, priceRange
	AnimalShelter

		<u>AutomotiveBusiness</u>
		<u>AutoBodyShop</u>
		<u>AutoDealer</u>
		<u>AutoPartsStore</u>
		<u>AutoRental</u>
		<u>AutoRepair</u>
		<u>AutoWash</u>
		<u>GasStation</u>
		<u>MotorcycleDealer</u>
		<u>MotorcycleRepair</u>
		<u>ChildCare</u>
		<u>DryCleaningOrLaundry</u>
		<u>EmergencyService</u>
		<u>FireStation</u>
		<u>Hospital</u>
		<u>PoliceStation</u>
		<u>EmploymentAgency</u>
		<u>EntertainmentBusiness</u>
		<u>AdultEntertainment</u>
		<u>AmusementPark</u>
		<u>ArtGallery</u>
		<u>Casino</u>
		<u>ComedyClub</u>
		<u>MovieTheater</u>
		<u>NightClub</u>
		<u>FinancialService</u>
		<u>AccountingService</u>
		<u>AutomatedTeller</u>
		<u>BankOrCreditUnion</u>
		<u>InsuranceAgency</u>
		<u>FoodEstablishment: menu, acceptsReservations, servesCuisine</u>
		<u>Bakery</u>
		<u>BarOrPub</u>
		<u>Brewery</u>
		<u>CafeOrCoffeeShop</u>
		<u>FastFoodRestaurant</u>
		<u>IceCreamShop</u>
		<u>Restaurant</u>
		<u>Winery</u>
		<u>GovernmentOffice</u>
		<u>PostOffice</u>
		<u>HealthAndBeautyBusiness</u>
		<u>BeautySalon</u>
		<u>DaySpa</u>
		<u>HairSalon</u>
		<u>HealthClub</u>
		<u>NailSalon</u>
		<u>TattooParlor</u>
		<u>HomeAndConstructionBusiness</u>

			Electrician
			GeneralContractor
			HVACBusiness
			HousePainter
			Locksmith
			MovingCompany
			Plumber
			RoofingContractor
			InternetCafe
			Library
			LodgingBusiness
			BedAndBreakfast
			Hostel
			Hotel
			Motel
			MedicalOrganization
			Dentist
			Hospital *
			MedicalClinic
			Optician
			Pharmacy
			Physician
			VeterinaryCare
			ProfessionalService
			AccountingService *
			Attorney
			Dentist *
			Electrician *
			GeneralContractor *
			HousePainter *
			Locksmith *
			Notary
			Plumber *
			RoofingContractor *
			RadioStation
			RealEstateAgent
			RecyclingCenter
			SelfStorage
			ShoppingCenter
			SportsActivityLocation
			BowlingAlley
			ExerciseGym
			GolfCourse
			HealthClub *
			PublicSwimmingPool
			SkiResort
			SportsClub
			StadiumOrArena

			TennisComplex
		Store	
			AutoPartsStore *
			BikeStore
			BookStore
			ClothingStore
			ComputerStore
			ConvenienceStore
			DepartmentStore
			ElectronicsStore
			Florist
			FurnitureStore
			GardenStore
			GroceryStore
			HardwareStore
			HobbyShop
			HomeGoodsStore
			JewelryStore
			LiquorStore
			MensClothingStore
			MobilePhoneStore
			MovieRentalStore
			MusicStore
			OfficeEquipmentStore
			OutletStore
			PawnShop
			PetStore
			ShoeStore
			SportingGoodsStore
			TireShop
			ToyStore
			WholesaleStore
		TelevisionStation	
		TouristInformationCenter	
		TravelAgency	
	NGO		
	PerformingGroup		
		DanceGroup	
		MusicGroup :	musicGroupMember, tracks, albums
		TheaterGroup	
	SportsTeam		
	Person :	awards, interactionCount, jobTitle, affiliation, worksFor alumniOf, memberOf, contactPoints, workLocation, homeLocation gender, email, birthDate, deathDate, nationality relatedTo, spouse, parents, children, siblings colleagues, knows, performerIn, follows, address telephone, faxNumber	
	Place :	interactionCount, containedIn, photos, geo, events maps, address, telephone, faxNumber, aggregateRating	

	reviews
	<u>AdministrativeArea</u>
	City
	Country
	State
	<u>CivicStructure: openingHours</u>
	Airport
	Aquarium
	Beach
	BusStation
	BusStop
	Campground
	Cemetery
	Crematorium
	EventVenue
	FireStation [*]
	GovernmentBuilding
	CityHall
	Courthouse
	DefenceEstablishment
	Embassy
	LegislativeBuilding
	Hospital [*]
	MovieTheater [*]
	Museum
	MusicVenue
	Park
	ParkingFacility
	PerformingArtsTheater
	PlaceOfWorship
	BuddhistTemple
	CatholicChurch
	Church
	HinduTemple
	Mosque
	Synagogue
	Playground
	PoliceStation [*]
	RVPark
	StadiumOrArena [*]
	SubwayStation
	TaxiStand
	TrainStation
	Zoo
	<u>Landform</u>
	BodyOfWater
	Canal
	LakeBodyOfWater
	OceanBodyOfWater

				<u>Pond</u>
				<u>Reservoir</u>
				<u>RiverBodyOfWater</u>
				<u>SeaBodyOfWater</u>
				<u>Waterfall</u>
			<u>Continent</u>	
			<u>Mountain</u>	
			<u>Volcano</u>	
		<u>LandmarksOrHistoricalBuildings</u>		
		<u>LocalBusiness</u> *		
		<u>Residence</u>		
			<u>ApartmentComplex</u>	
			<u>GatedResidenceCommunity</u>	
			<u>SingleFamilyResidence</u>	
		<u>TouristAttraction</u>		
	<u>Product</u> :	brand, model, aggregateRating, productID, manufacturer		
		offers, reviews		
