



[Home](#)
[Schemas](#)
[Documentation](#)

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: description, image, name, url

CreativeWork: about, accountablePerson, aggregateRating, alternativeHeadline, associatedMedia, audio, author, award, awards, comment, contentLocation, contentRating, contributor, copyrightHolder, copyrightYear, creator, dateCreated, dateModified, datePublished, discussionUrl, editor, encoding, encodings, genre, headline, inLanguage, interactionCount, isFamilyFriendly, keywords, mentions, offers, provider, publisher, publishingPrinciples, review, reviews, sourceOrganization, thumbnailUrl, version, video

Article: articleBody, articleSection, wordCount

BlogPosting

NewsArticle: dateline, printColumn, printEdition, printPage, printSection

ScholarlyArticle

Blog: blogPost, blogPosts

Book: bookEdition, bookFormat, illustrator, isbn, numberOfPages

ItemList: itemListElement, itemListOrder

Map

MediaObject: associatedArticle, bitrate, contentSize, contentUrl, duration, embedUrl, encodesCreativeWork, encodingFormat, expires, height, interactionCount, offers, playerType, regionsAllowed, requiresSubscription, uploadDate, width

AudioObject: transcript

ImageObject: caption, exifData, representativeOfPage, thumbnail

MusicVideoObject

VideoObject: caption, productionCompany, thumbnail, transcript, videoFrameSize, videoQuality

Movie: actor, actors, director, duration, musicBy, producer, productionCompany, trailer

MusicPlaylist: numTracks, track, tracks

MusicAlbum: byArtist

MusicRecording: byArtist, duration, inAlbum, inPlaylist

Painting

Photograph

Recipe: cookTime, cookingMethod, ingredients, nutrition, prepTime, recipeCategory, recipeCuisine, recipeInstructions, recipeYield, totalTime

Review: itemReviewed, reviewBody, reviewRating

Sculpture

TVEpisode: actor, actors, director, episodeNumber, musicBy, partOfSeason, partOfTVSeries, producer, productionCompany, trailer

TVSeason: endDate, episode, episodes, numberOfEpisodes, partOfTVSeries, seasonNumber, startDate, trailer

TVSeries: actor, actors, director, endDate, episode, episodes, musicBy, numberOfEpisodes, producer, productionCompany, season, seasons, startDate, trailer

WebPage: breadcrumb, isPartOf, mainContentOfPage, primaryImageOfPage, significantLink, significantLinks

AboutPage

CheckoutPage

CollectionPage

ImageGallery

VideoGallery

ContactPage

ItemPage

ProfilePage

SearchResultsPage

WebPageElement

SiteNavigationElement

Table

WAdBlock

WPFooter

WPHeader

WPSideBar

Event: attendee, attendees, duration, endDate, location, offers, performer, performers, startDate, subEvent, subEvents, superEvent

BusinessEvent

ChildrensEvent

ComedyEvent

DanceEvent

EducationEvent

Festival

FoodEvent

LiteraryEvent

MusicEvent

SaleEvent

SocialEvent

SportsEvent

<u>TheaterEvent</u>
<u>UserInteraction</u>
<u>UserBlocks</u>
<u>UserCheckins</u>
<u>UserComments</u> : commentText, commentTime, creator, discusses, replyToUrl
<u>UserDownloads</u>
<u>UserLikes</u>
<u>UserPageVisits</u>
<u>UserPlays</u>
<u>UserPlusOnes</u>
<u>UserTweets</u>
<u>VisualArtsEvent</u>
<u>Intangible</u>
<u>Enumeration</u>
<u>BookFormatType</u>
<u>ItemAvailability</u>
<u>OfferItemCondition</u>
<u>JobPosting</u> : baseSalary, benefits, datePosted, educationRequirements, employmentType, experienceRequirements, hiringOrganization, incentives, industry, jobLocation, occupationalCategory, qualifications, responsibilities, salaryCurrency, skills, specialCommitments, title, workHours
<u>Language</u>
<u>Offer</u> : aggregateRating, availability, itemCondition, itemOffered, price, priceCurrency, priceValidUntil, review, reviews, seller
<u>AggregateOffer</u> : highPrice, lowPrice, offerCount
<u>Quantity</u>
<u>Distance</u>
<u>Duration</u>
<u>Energy</u>
<u>Mass</u>
<u>Rating</u> : bestRating, ratingValue, worstRating
<u>AggregateRating</u> : itemReviewed, ratingCount, reviewCount
<u>StructuredValue</u>
<u>ContactPoint</u> : contactType, email, faxNumber, telephone
<u>PostalAddress</u> : addressCountry, addressLocality, addressRegion, postOfficeBoxNumber, postalCode, streetAddress
<u>GeoCoordinates</u> : elevation, latitude, longitude
<u>GeoShape</u> : box, circle, elevation, line, polygon
<u>NutritionInformation</u> : calories, carbohydrateContent, cholesterolContent, fatContent, fiberContent, proteinContent, saturatedFatContent, servingSize, sodiumContent, sugarContent, transFatContent, unsaturatedFatContent
<u>Organization</u> : address, aggregateRating, contactPoint, contactPoints, email, employee, employees, event, events, faxNumber, founder, founders, foundingDate, interactionCount, location, member, members, review, reviews, telephone
<u>Corporation</u> : tickerSymbol
<u>EducationalOrganization</u> : alumni
<u>CollegeOrUniversity</u>
<u>ElementarySchool</u>
<u>HighSchool</u>
<u>MiddleSchool</u>

Preschool

School

GovernmentOrganization

Business: branchOf, currency

AnimalShelter

AutomotiveBusiness

AutoBodyShop

AutoDealer

AutoPartsStore

AutoRental

AutoRepair

AutoWash

GasStation

MotorcycleDealer

MotorcycleRepair

ChildCare

DryCleaningOrLaundry

EmergencyService

FireStation

Hospital

PoliceStation

EmploymentAgency

EntertainmentBusiness

AdultEntertainment

AmusementPark

ArtGallery

Casino

ComedyClub

MovieTheater

NightClub

FinancialService

AccountingService

AutomatedTeller

BankOrCreditUnion

InsuranceAgency

FoodEstablishment: accept

Bakery

BarOrPub

Brewery

CafeOrCoffeeShop

FastFoodRestaurant

IceCreamShop

Restaurant

Winery

GovernmentOffice

PostOffice

HealthAndBeautyBusiness

BeautySalon

DaySpa

HairSalon

- [HealthClub](#)
 - [NailSalon](#)
 - [TattooParlor](#)
- [HomeAndConstructionBusiness](#)
 - [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 : album, albums, musicGroupMember, track, tracks
	TheaterGroup
	SportsTeam
Person	additionalName, address, affiliation, alumniOf, award, awards, birthDate, children, colleague, colleagues, contactPoint, contactPoints, deathDate, email, familyName, faxNumber, follows, gender, givenName, homeLocation, honorificPrefix, honorificSuffix, interactionCount, jobTitle, knows, memberOf, nationality, parent, parents, performerIn, relatedTo, sibling, siblings, spouse,

telephone, workLocation, worksFor

Place: address, aggregateRating, containedIn, event, events, faxNumber, geo, interactionCount, map, maps, photo, photos, review, reviews, telephone

AdministrativeArea

City

Country

State

CivicStructure: openingHours

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

Landform

- BodyOfWater
 - Canal
 - LakeBodyOfWater
 - OceanBodyOfWater
 - Pond
 - Reservoir
 - RiverBodyOfWater
 - SeaBodyOfWater
 - Waterfall
- Continent
- Mountain
- Volcano
- LandmarksOrHistoricalBuildings
- LocalBusiness*
 - AnimalShelter
 - AutomotiveBusiness
 - AutoBodyShop
 - AutoDealer
 - AutoPartsStore*
 - AutoRental
 - AutoRepair
 - AutoWash
 - GasStation
 - MotorcycleDealer
 - MotorcycleRepair
 - ChildCare
 - DryCleaningOrLaundry
 - EmergencyService
 - FireStation*
 - Hospital*
 - PoliceStation*
 - EmploymentAgency
 - EntertainmentBusiness
 - AdultEntertainment
 - AmusementPark
 - ArtGallery
 - Casino
 - ComedyClub
 - MovieTheater*
 - NightClub
 - FinancialService
 - AccountingService*
 - AutomatedTeller
 - BankOrCreditUnion
 - InsuranceAgency
 - FoodEstablishment
 - Bakery
 - BarOrPub

Brewery

CafeOrCoffeeShop

FastFoodRestaurant

IceCreamShop

Restaurant

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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

Residence

ApartmentComplex

GatedResidenceCommunity

SingleFamilyResidence

TouristAttraction

Product: aggregateRating, brand, manufacturer, model, offers, productID, review, reviews

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