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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, text, thumbnailUrl, version, video

Article: articleBody, articleSection, wordCount

BlogPosting

NewsArticle: dateline, printColumn, printEdition, printPage, printSection

ScholarlyArticle

Blog: blogPost, blogPosts

Book: bookEdition, bookFormat, illustrator, isbn, numberOfPages

Comment

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

SoftwareApplication: applicationCategory, applicationSubCategory, applicationSuite, countriesNotSupported, countriesSupported, device, downloadUrl, featureList, fileFormat, fileSize, installUrl, memoryRequirements, operatingSystem, permissions, processorRequirements, releaseNotes, requirements, screenshot, softwareVersion, storageRequirements

MobileApplication: carrierRequirements

WebApplication: browserRequirements

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

WPadBlock

WPFooter

WPHeader

WPSideBar

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

BusinessEvent

ChildrensEvent

ComedyEvent

DanceEvent

<u>EducationEvent</u>	
<u>Festival</u>	
<u>FoodEvent</u>	
<u>LiteraryEvent</u>	
<u>MusicEvent</u>	
<u>SaleEvent</u>	
<u>SocialEvent</u>	
<u>SportsEvent</u>	
<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

Organization: address, aggregateRating, contactPoint, contactPoints, email, employee, employees, event, events, faxNumber, founder, founders, foundingDate, interactionCount, location, member, members, review, reviews, telephone

Corporation: tickerSymbol

EducationalOrganization: alumni

CollegeOrUniversity

ElementarySchool

HighSchool

MiddleSchool

Preschool

School

GovernmentOrganization

LocalBusiness: branchOf, currenciesAccepted, openingHours, paymentAccepted, priceRange

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: acceptsReservations, menu, servesCuisine

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](#)
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[NGO](#)

PerformingGroupDanceGroupMusicGroup: album, albums, musicGroupMember, track, tracksTheaterGroupSportsTeam

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

AdministrativeAreaCityCountryState

CivicStructure: openingHours

AirportAquariumBeachBusStationBusStopCampgroundCemeteryCrematoriumEventVenueFireStation*GovernmentBuildingCityHallCourthouseDefenceEstablishmentEmbassyLegislativeBuildingHospital*MovieTheater*MuseumMusicVenueParkParkingFacilityPerformingArtsTheaterPlaceOfWorshipBuddhistTempleCatholicChurchChurchHinduTempleMosqueSynagoguePlaygroundPoliceStation*

- [RVPark](#)
 - [StadiumOrArena*](#)
 - [SubwayStation](#)
 - [TaxiStand](#)
 - [TrainStation](#)
 - [Zoo](#)
- [Landform](#)
 - [BodyOfWater](#)
 - [Canal](#)
 - [LakeBodyOfWater](#)
 - [OceanBodyOfWater](#)
 - [Pond](#)
 - [Reservoir](#)
 - [RiverBodyOfWater](#)
 - [SeaBodyOfWater](#)
 - [Waterfall](#)
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 - [Mountain](#)
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- [LocalBusiness*](#)
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 - [AutoRepair](#)
 - [AutoWash](#)
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 - [MotorcycleDealer](#)
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 - [ChildCare](#)
 - [DryCleaningOrLaundry](#)
 - [EmergencyService](#)
 - [FireStation*](#)
 - [Hospital*](#)
 - [PoliceStation*](#)
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FinancialService

AccountingService*

AutomatedTeller

BankOrCreditUnion

InsuranceAgency

FoodEstablishment

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

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 - [TelevisionStation](#)
 - [TouristInformationCenter](#)
 - [TravelAgency](#)
- [Residence](#)
 - [ApartmentComplex](#)
 - [GatedResidenceCommunity](#)
 - [SingleFamilyResidence](#)
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Product: [aggregateRating](#), [brand](#), [manufacturer](#), [model](#), [offers](#), [productID](#), [review](#), [reviews](#)

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