


[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, awards, comment, contentLocation, contentRating, contributor, copyrightHolder, copyrightYear, creator, dateCreated, dateModified, datePublished, discussionUrl, editor, encodings, genre, headline, inLanguage, interactionCount, isFamilyFriendly, keywords, mentions, offers, provider, publisher, publishingPrinciples, reviews, sourceOrganization, thumbnailUrl, version, video

Article: articleBody, articleSection, wordCount

BlogPosting

NewsArticle: dateline, printColumn, printEdition, printPage, printSection

ScholarlyArticle

Blog: 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**: actors, director, duration, musicBy, producer, productionCompany, trailer

**MusicPlaylist**: numTracks, 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**: actors, director, episodeNumber, musicBy, partOfSeason, partOfTVSeries, producer, productionCompany, trailer

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

**TVSeries**: actors, director, endDate, episodes, musicBy, numberOfEpisodes, producer, productionCompany, seasons, startDate, trailer

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

- AboutPage**
- CheckoutPage**
- CollectionPage**
  - ImageGallery**
  - VideoGallery**
- ContactPage**
- ItemPage**
- ProfilePage**
- SearchResultsPage**

**WebPageElement**

- SiteNavigationElement**
- Table**
- WPadBlock**
- WPFooter**
- WPHeader**
- WPSideBar**

**Event**: attendees, duration, endDate, location, offers, performers, startDate, subEvents, superEvent

- BusinessEvent**
- ChildrensEvent**
- ComedyEvent**
- DanceEvent**
- EducationEvent**
- Festival**
- FoodEvent**
- LiteraryEvent**
- MusicEvent**
- SaleEvent**
- SocialEvent**
- SportsEvent**
- TheaterEvent**

UserInteractionUserBlocksUserCheckinsUserComments: commentText, commentTime, creator, discusses, replyToUrlUserDownloadsUserLikesUserPageVisitsUserPlaysUserPlusOnesUserTweetsVisualArtsEventIntangibleEnumerationBookFormatTypeItemAvailabilityOfferItemConditionJobPosting: baseSalary, benefits, datePosted, educationRequirements, employmentType, experienceRequirements, hiringOrganization, incentives, industry, jobLocation, occupationalCategory, qualifications, responsibilities, salaryCurrency, skills, specialCommitments, title, workHoursLanguageOffer: aggregateRating, availability, itemCondition, itemOffered, price, priceCurrency, priceValidUntil, reviews, sellerAggregateOffer: highPrice, lowPrice, offerCountQuantityDistanceDurationEnergyMassRating: bestRating, ratingValue, worstRatingAggregateRating: itemReviewed, ratingCount, reviewCountStructuredValueContactPoint: contactType, email, faxNumber, telephonePostalAddress: addressCountry, addressLocality, addressRegion, postOfficeBoxNumber, postalCode, streetAddressGeoCoordinates: elevation, latitude, longitudeGeoShape: box, circle, elevation, line, polygonNutritionInformation: calories, carbohydrateContent, cholesterolContent, fatContent, fiberContent, proteinContent, saturatedFatContent, servingSize, sodiumContent, sugarContent, transFatContent, unsaturatedFatContentOrganization: address, aggregateRating, contactPoints, email, employees, events, faxNumber, founders, foundingDate, interactionCount, location, members, reviews, telephoneCorporation: tickerSymbolEducationalOrganization: alumniCollegeOrUniversityElementarySchoolHighSchoolMiddleSchoolPreschoolSchool

## 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](#)

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



- 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](#)

ResidenceApartmentComplexGatedResidenceCommunitySingleFamilyResidenceTouristAttractionProduct: aggregateRating, brand, manufacturer, model, offers, productID, reviews

---

[Terms and conditions](#)