schema.org

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

EducationEvent
Festival
FoodEvent
LiteraryEvent
MusicEvent
SaleEvent
SocialEvent
SportsEvent
TheaterEvent
UserInteraction
  UserBlocks
  UserCheckins
  UserComments: commentText, commentTime, creator, discusses, replyToUrl
  UserDownloads
  UserLikes
  UserPageVisits
  UserPlays
  UserPlusOnes
  UserTweets
VisualArtsEvent
Intangible
Enumeration
  BookFormatType
  ItemAvailability
  OfferItemCondition
JobPosting: baseSalary, benefits, datePosted, educationRequirements, employmentType, experienceRequirements, hiringOrganization, incentives, industry, jobLocation, occupationalCategory, qualifications, responsibilities, salaryCurrency, skills, specialCommitments, title, workHours
Language
Offer: aggregateRating, availability, itemCondition, itemOffered, price, priceCurrency, priceValidUntil, review, reviews, seller
  AggregateOffer: highPrice, lowPrice, offerCount
Quantity
  Distance
  Duration
  Energy
  Mass
Rating: bestRating, ratingValue, worstRating
  AggregateRating: itemReviewed, ratingCount, reviewCount
StructuredValue
  ContactPoint: contactType, email, faxNumber, telephone
    PostalAddress: addressCountry, addressLocality, addressRegion, postOfficeBoxNumber, postalCode, streetAddress
  GeoCoordinates: elevation, latitude, longitude
  GeoShape: box, circle, elevation, line, polygon
  NutritionInformation: 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
  - 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
- 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
Residence
ApartmentComplex
GatedResidenceCommunity
SingleFamilyResidence
TouristAttraction
Product: aggregateRating, brand, manufacturer, model, offers, productID, review, reviews

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