

## Classes

### Ability

Ability  $\sqsubseteq \exists$  isAffectedBy Disability  
Ability  $\sqsubseteq$  Thing  
Ability  $\sqsubseteq \exists$  isAssistedBy Device  
Ability  $\sqsubseteq \neg$  Disability  
Ability  $\sqsubseteq \neg$  Device

### Achondroplasia

Achondroplasia  $\sqsubseteq$  PhysicalDisability

### Amputation

Amputation  $\sqsubseteq$  PhysicalDisability

### AssistiveDevice

AssistiveDevice  $\sqsubseteq$  Device  
AssistiveDevice  $\sqsubseteq \exists$  assistsWith Ability

### Autism

Autism  $\sqsubseteq$  MentalDisability

### BatteryPowered\_Wheelchair

BatteryPowered\_Wheelchair  $\sqsubseteq$  Motorised\_Wheelchair

### Blind

Blind  $\sqsubseteq$  VisualDisability

### BrailleAlarmClock

BrailleAlarmClock  $\sqsubseteq$  TactileReading

### BraillePillOrganiser

BraillePillOrganiser  $\sqsubseteq$  TactileReading

### BrailleWatch

BrailleWatch  $\sqsubseteq$  TactileReading

### **BrailleWritingDevice**

BrailleWritingDevice  $\sqsubseteq \exists$  assistsWith SightAbility  
BrailleWritingDevice  $\sqsubseteq$  WritingDevice

### **Cerebral\_palsy**

Cerebral\_palsy  $\sqsubseteq$  PhysicalDisability

### **Communication\_Device**

Communication\_Device  $\sqsubseteq$  AssistiveDevice  
Communication\_Device  $\sqsubseteq \neg$  MobilityDevice

### **Deaf**

Deaf  $\sqsubseteq$  HearingDisability  
Deaf  $\sqsubseteq \exists$  affects SpeechAbility

### **Deafened**

Deafened  $\sqsubseteq$  HearingDisability

### **Device**

Device  $\sqsubseteq \neg$  Disability  
Device  $\sqsubseteq \neg$  Ability

### **Disability**

Disability  $\sqsubseteq$  Thing  
Disability  $\sqsubseteq \exists$  affects Ability  
Disability  $\sqsubseteq \neg$  Device  
Disability  $\sqsubseteq \neg$  Ability

### **Dystonia**

Dystonia  $\sqsubseteq$  PhysicalDisability

### **Epilepsy**

Epilepsy  $\sqsubseteq$  MentalDisability

### **FaceToFaceCommunicationDevice**

FaceToFaceCommunicationDevice  $\sqsubseteq \exists$  assistsWith SpeechAbility  
FaceToFaceCommunicationDevice  $\sqsubseteq$  Communication\_Device

### **FaceToFaceCommunicationSoftware**

FaceToFaceCommunicationSoftware  $\sqsubseteq$  FaceToFaceCommunicationDevice

### **Foldable\_Wheelchair**

Foldable\_Wheelchair  $\sqsubseteq$  Manual\_Wheelchair

### **Guillaume\_Barre**

Guillaume\_Barre  $\sqsubseteq$  PhysicalDisability

### **Hard\_of\_hearing**

Hard\_of\_hearing  $\sqsubseteq$  HearingDisability

### **Hear**

Hear  $\sqsubseteq$  HearingAbility

### **Hear\_partially**

Hear\_partially  $\sqsubseteq$  HearingAbility

### **HearingAbility**

HearingAbility  $\sqsubseteq$  SensoryAbility

### **HearingDisability**

HearingDisability  $\sqsubseteq \exists$  affects HearingAbility

HearingDisability  $\sqsubseteq$  Disability

HearingDisability  $\sqsubseteq \neg$  VisualDisability

HearingDisability  $\sqsubseteq \neg$  MentalDisability

HearingDisability  $\sqsubseteq \neg$  SpeechDisability

HearingDisability  $\sqsubseteq \neg$  PhysicalDisability

### **Hemiplegia**

Hemiplegia  $\sqsubseteq$  PhysicalDisability

### **IntellectualDisability**

IntellectualDisability  $\sqsubseteq$  MentalDisability

### **Kyphosis**

Kyphosis  $\sqsubseteq$  PhysicalDisability

### **LightweightFoldable\_Wheelchair**

LightweightFoldable\_Wheelchair  $\sqsubseteq$  Lightweight\_Wheelchair

LightweightFoldable\_Wheelchair  $\sqsubseteq$  Foldable\_Wheelchair

### **Lightweight\_Wheelchair**

Lightweight\_Wheelchair  $\sqsubseteq$  Manual\_Wheelchair

### **LimbMobility**

LimbMobility  $\sqsubseteq$  MovementAbility

### **ListenDevice**

ListenDevice  $\sqsubseteq \exists$  assistsWith HearingAbility

ListenDevice  $\sqsubseteq$  Communication\_Device

### **Little\_or\_No\_Speech**

Little\_or\_No\_Speech  $\sqsubseteq \exists$  affects SpeechAbility

Little\_or\_No\_Speech  $\sqsubseteq$  SpeechDisability

### **LowVision**

LowVision  $\sqsubseteq$  VisualDisability

### **LowerLimbMobility**

LowerLimbMobility  $\sqsubseteq$  LimbMobility

LowerLimbMobility  $\sqsubseteq \neg$  UpperLimbMobility

### **Manual\_Wheelchair**

Manual\_Wheelchair  $\sqsubseteq \exists$  requiresAbility UpperLimbMobility

Manual\_Wheelchair  $\sqsubseteq \exists$  assistsWith LowerLimbMobility

Manual\_Wheelchair  $\sqsubseteq$  Wheelchair

Manual\_Wheelchair  $\sqsubseteq \neg$  Motorised\_Wheelchair

### **MentalDisability**

MentalDisability  $\sqsubseteq$  Disability

MentalDisability  $\sqsubseteq \neg$  PhysicalDisability

MentalDisability  $\sqsubseteq \neg$  HearingDisability

MentalDisability  $\sqsubseteq \neg$  VisualDisability

MentalDisability  $\sqsubseteq \neg$  SpeechDisability

## **MobilityDevice**

MobilityDevice  $\sqsubseteq$  AssistiveDevice  
MobilityDevice  $\sqsubseteq \exists$  assistsWith MovementAbility  
MobilityDevice  $\sqsubseteq \neg$  Communication\_Device

## **Motorised\_Wheelchair**

Motorised\_Wheelchair  $\sqsubseteq \exists$  assistsWith UpperLimbMobility  
Motorised\_Wheelchair  $\sqsubseteq \exists$  assistsWith LowerLimbMobility  
Motorised\_Wheelchair  $\sqsubseteq$  Wheelchair  
Motorised\_Wheelchair  $\sqsubseteq \neg$  Manual\_Wheelchair

## **MovementAbility**

MovementAbility  $\sqsubseteq$  PhysicalAbility

## **Multiple\_sclerosis**

Multiple\_sclerosis  $\sqsubseteq$  PhysicalDisability

## **Muscular\_dystrophy**

Muscular\_dystrophy  $\sqsubseteq$  PhysicalDisability

## **Osteogenesis Imperfecta**

Osteogenesis Imperfecta  $\sqsubseteq$  PhysicalDisability

## **Paraplegia**

Paraplegia  $\sqsubseteq$  PhysicalDisability  
Paraplegia  $\sqsubseteq \exists$  affects LowerLimbMobility

## **PhysicalAbility**

PhysicalAbility  $\sqsubseteq$  Ability  
PhysicalAbility  $\sqsubseteq \neg$  SpeechAbility  
PhysicalAbility  $\sqsubseteq \neg$  SensoryAbility

## **PhysicalDisability**

PhysicalDisability  $\sqsubseteq \exists$  affects PhysicalAbility  
PhysicalDisability  $\sqsubseteq$  Disability  
PhysicalDisability  $\sqsubseteq \neg$  MentalDisability  
PhysicalDisability  $\sqsubseteq \neg$  SpeechDisability  
PhysicalDisability  $\sqsubseteq \neg$  VisualDisability  
PhysicalDisability  $\sqsubseteq \neg$  HearingDisability

## **Poliomyelitis**

Poliomyelitis  $\sqsubseteq$  PhysicalDisability

## **Quadriplegia**

Quadriplegia  $\sqsubseteq \exists$  affects LowerLimbMobility

Quadriplegia  $\sqsubseteq$  PhysicalDisability

Quadriplegia  $\sqsubseteq \exists$  affects UpperLimbMobility

## **Reach**

Reach  $\sqsubseteq$  MovementAbility

## **ReadingDevice**

ReadingDevice  $\sqsubseteq \exists$  assistsWith SightAbility

ReadingDevice  $\sqsubseteq$  Communication\_Device

## **Scoliosis**

Scoliosis  $\sqsubseteq$  PhysicalDisability

## **See**

See  $\sqsubseteq$  SightAbility

## **See\_partially**

See\_partially  $\sqsubseteq$  SightAbility

## **SensoryAbility**

SensoryAbility  $\sqsubseteq$  Ability

SensoryAbility  $\sqsubseteq \neg$  SpeechAbility

SensoryAbility  $\sqsubseteq \neg$  PhysicalAbility

## **SightAbility**

SightAbility  $\sqsubseteq$  SensoryAbility

## **SpeechAbility**

SpeechAbility  $\sqsubseteq$  Ability

SpeechAbility  $\sqsubseteq \neg$  PhysicalAbility

SpeechAbility  $\sqsubseteq \neg$  SensoryAbility

### **SpeechDevice**

SpeechDevice  $\sqsubseteq \exists$  assistsWith SpeechAbility

SpeechDevice  $\sqsubseteq$  Communication\_Device

### **SpeechDisability**

SpeechDisability  $\sqsubseteq$  Disability

SpeechDisability  $\sqsubseteq \neg$  PhysicalDisability

SpeechDisability  $\sqsubseteq \neg$  HearingDisability

SpeechDisability  $\sqsubseteq \neg$  VisualDisability

SpeechDisability  $\sqsubseteq \neg$  MentalDisability

### **Spina\_Bifida**

Spina\_Bifida  $\sqsubseteq$  PhysicalDisability

### **Stuttering**

Stuttering  $\sqsubseteq$  SpeechDisability

### **SymbolBoard**

SymbolBoard  $\sqsubseteq$  FaceToFaceCommunicationDevice

### **TactileAbility**

TactileAbility  $\sqsubseteq$  SensoryAbility

### **TactileReading**

TactileReading  $\sqsubseteq \exists$  assistsWith SightAbility

TactileReading  $\sqsubseteq$  ReadingDevice

TactileReading  $\sqsubseteq \exists$  requiresAbility TactileAbility

### **TalkingReading**

TalkingReading  $\sqsubseteq \exists$  assistsWith SightAbility

TalkingReading  $\sqsubseteq$  ReadingDevice

TalkingReading  $\sqsubseteq \exists$  requiresAbility HearingAbility

### **Talking\_Thermometer**

Talking\_Thermometer  $\sqsubseteq$  TalkingReading

### **TelephoneAid**

TelephoneAid  $\sqsubseteq$  ListenDevice

TelephoneAid  $\sqsubseteq$  SpeechDevice

## Thing

### UpperLimbMobility

UpperLimbMobility  $\sqsubseteq$  LimbMobility  
UpperLimbMobility  $\sqsubseteq \neg$  LowerLimbMobility

### VisualDisability

VisualDisability  $\sqsubseteq$  Disability  
VisualDisability  $\sqsubseteq \neg$  HearingDisability  
VisualDisability  $\sqsubseteq \neg$  PhysicalDisability  
VisualDisability  $\sqsubseteq \neg$  SpeechDisability  
VisualDisability  $\sqsubseteq \neg$  MentalDisability

### Wheelchair

Wheelchair  $\sqsubseteq$  MobilityDevice  
Wheelchair  $\sqsubseteq \exists$  assistsWith LimbMobility

### WritingDevice

WritingDevice  $\sqsubseteq$  Communication\_Device

## Object properties

### affects

isAffectedBy  $\equiv$  affects<sup>-</sup>

### assistsWith

isAssistedBy  $\equiv$  assistsWith<sup>-</sup>

### isAffectedBy

isAffectedBy  $\equiv$  affects<sup>-</sup>

### isAssistedBy

isAssistedBy  $\equiv$  assistsWith<sup>-</sup>



requiresAbility

**Data properties**

**Individuals**

**Datatypes**

string