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# **# Mapping created using Juma editor.**

@prefix rr: <http://www.w3.org/ns/r2rml#> .

@prefix rrf: <http://kdeg.scss.tcd.ie/ns/rrf#> .

@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .

@prefix csv: <http://www.semanticweb.org/KDE#> .

@prefix schema: <http://schema.org> .

# **# Using dataset: MultiUse\_Community\_Centres.csv**

<#TriplesMapTriplesMap\_MultiUse\_Coordinate>

rr:logicalTable [

rr:tableName "MultiUse\_Community\_Centres";

];

# **# Defining Class: GeoCoordinates**

rr:subjectMap [

rr:template "http://www.example.org/multiuse/coordinate/{OBJECTID}";

rr:class csv:GeoCoordinates;

];

# **# Defining Predicates to Objects Mapping for Class: GeoCoordinates**

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasY;

];

rr:objectMap [

rr:column "Y";

rr:termType rr:Literal;

rr:datatype xsd:decimal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasX;

];

rr:objectMap [

rr:column "X";

rr:termType rr:Literal;

rr:datatype xsd:decimal;

];

];

.

# **# Using dataset: MultiUse\_Community\_Centres.csv**

<#TriplesMapTriplesMap\_MultiUse\_ContactInfo>

rr:logicalTable [

rr:tableName "MultiUse\_Community\_Centres";

];

# **# Defining Class: CommunicationInfo**

rr:subjectMap [

rr:template "http://www.example.org/multiuse/contact/{OBJECTID}";

rr:class csv:CommunicationInfo;

];

# **# Defining Predicates to Objectss Mapping for Class: CommunicationInfo**

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasAddress;

];

rr:objectMap [

rr:column "ADDRESS";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant schema:telephone;

];

rr:objectMap [

rr:column "PHONENUMBER";

rr:termType rr:Literal;

];

];

.

# **# Using dataset: MultiUse\_Community\_Centres.csv**

<#TriplesMapTriplesMap\_MultiUse\_ContactInfo\_SocialMedia>

rr:logicalTable [

rr:tableName "MultiUse\_Community\_Centres";

];

# **# Defining Class: OnlinePresence**

rr:subjectMap [

rr:template "http://www.example.org/multiuse/contact/socialmedia/{OBJECTID}";

rr:class csv:OnlinePresence;

];

# **# Defining Predicates to Objectss Mapping for Class: OnlinePresence**

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasWebsite;

];

rr:objectMap [

rr:column "WEBSITE";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant schema:email;

];

rr:objectMap [

rr:column "EMAIL";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasTwitterLink;

];

rr:objectMap [

rr:column "TWITTER";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasFacebookLink;

];

rr:objectMap [

rr:column "FACEBOOK";

rr:termType rr:Literal;

];

];

.

# **# Using dataset: MultiUse\_Community\_Centres.csv**

<#TriplesMapTriplesMap\_MultiUse\_Facilities>

rr:logicalTable [

rr:tableName "MultiUse\_Community\_Centres";

];

# **# Defining Class: Facilities**

rr:subjectMap [

rr:template "http://www.example.org/multiuse/facilities/{OBJECTID}";

rr:class csv:Facilities;

];

# **# Defining Predicates to Objectss Mapping Class: Facilities**

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasCoffeeDock;

];

rr:objectMap [

rr:column "COFFEEDOCK";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasPlayArea;

];

rr:objectMap [

rr:column "PLAYAREA";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasMeetingRooms;

];

rr:objectMap [

rr:column "MEETINGROOMS";

rr:termType rr:Literal;

];

];

.

# **# Using dataset: MultiUse\_Community\_Centres**

<#TriplesMapTriplesMap\_MultiUse\_Activities>

rr:logicalTable [

rr:tableName "MultiUse\_Community\_Centres";

];

# **# Using Class: Activities**

rr:subjectMap [

rr:template "http://www.example.org/multiuse/activities/{OBJECTID}";

rr:class csv:Activities;

];

# **# Defining Predicates to Objects Mapping Class: Activities**

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasSummaryActivities;

];

rr:objectMap [

rr:column "SUMMARYACTIVITIES";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasPrimaryActivity;

];

rr:objectMap [

rr:column "PRIMARYACTIVITY";

rr:termType rr:Literal;

];

];

.

# **# Using Dataset MultiUseCommunityCentre.csv**

<#TriplesMapTriplesMap\_MultiUse\_Community\_Centres>

rr:logicalTable [

rr:tableName "MultiUse\_Community\_Centres";

];

# **# Defining Class name:** **MultiUseCommunityCentre**

rr:subjectMap [

rr:template "http://www.example.org/multiuse/record/{OBJECTID}";

rr:class csv: MultiUseCommunityCentre ;

];

# **# Defining Predicates to Object Mapping for Class: MultiUseCommunityCentre**

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasName;

];

rr:objectMap [

rr:column "NAME";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasDisabilityAccess;

];

rr:objectMap [

rr:column "DISABILITYACCESS";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:isSdccOwned;

];

rr:objectMap [

rr:column "SDCCOWNED";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasObjectId;

];

rr:objectMap [

rr:column "OBJECTID";

rr:termType rr:Literal;

rr:datatype xsd:integer;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasParkingFacility;

];

rr:objectMap [

rr:column "PARKING";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:createdBy;

];

rr:objectMap [

rr:column "CREATOR";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant schema:dateCreated;

];

rr:objectMap [

rr:column "CREATIONDATE";

rr:termType rr:Literal;

rr:datatype xsd:date;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasCoordinates;

];

rr:objectMap [

rr:parentTriplesMap <#TriplesMapTriplesMap\_MultiUse\_Coordinate>;

rr:joinCondition [

rr:child "OBJECTID";

rr:parent "OBJECTID";

];

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasFacilities;

];

rr:objectMap [

rr:parentTriplesMap <#TriplesMapTriplesMap\_MultiUse\_Facilities>;

rr:joinCondition [

rr:child "OBJECTID";

rr:parent "OBJECTID";

];

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasContactInfo;

];

rr:objectMap [

rr:parentTriplesMap <#TriplesMapTriplesMap\_MultiUse\_ContactInfo>;

rr:joinCondition [

rr:child "OBJECTID";

rr:parent "OBJECTID";

];

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasOnlinePresence;

];

rr:objectMap [

rr:parentTriplesMap <#TriplesMapTriplesMap\_MultiUse\_ContactInfo\_SocialMedia>;

rr:joinCondition [

rr:child "OBJECTID";

rr:parent "OBJECTID";

];

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasActivityType;

];

rr:objectMap [

rr:parentTriplesMap <#TriplesMapTriplesMap\_MultiUse\_Activities>;

rr:joinCondition [

rr:child "OBJECTID";

rr:parent "OBJECTID";

];

];

];

.

--------------------------------------------------------------------------------------------------------------------------------------------

@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .

@prefix csv: <http://www.semanticweb.org/KDE#> .

@prefix schema: <http://schema.org> .

# **# Using dataset: Sports\_and\_Recreation\_Clubs.csv**

<#TriplesMapTriplesMap\_Sports\_ContactInfo>

rr:logicalTable [

rr:tableName "Sports\_and\_Recreation\_Clubs";

];

# **# Using Class name: CommunicationInfo**

rr:subjectMap [

rr:template "http://www.example.org/sports/contact/{OBJECTID}";

rr:class csv:CommunicationInfo;

];

# **# Defining Predicates to Objectss Mapping for Class: CommunicationInfo**

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasAddress;

];

rr:objectMap [

rr:column "ADDRESS";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant schema:telephone;

];

rr:objectMap [

rr:column "PHONENUMBER";

rr:termType rr:Literal;

];

];

.

# **# Using dataset: Sports\_and\_Recreation\_Clubs.csv**

<#TriplesMapTriplesMap\_Sports\_ContactInfo\_Social\_Media>

rr:logicalTable [

rr:tableName "Sports\_and\_Recreation\_Clubs";

];

# **# Defining Class: OnlinePresence**

rr:subjectMap [

rr:template "http://www.example.org/sports/contact/socialmedia/{OBJECTID}";

rr:class csv:OnlinePresence;

];

# **# Defining Predicates to Objectss Mapping for Class: OnlinePresence**

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasWebsite;

];

rr:objectMap [

rr:column "WEBSITE";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant schema:email;

];

rr:objectMap [

rr:column "EMAIL";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasTwitterLink;

];

rr:objectMap [

rr:column "TWITTER";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasFacebookLink;

];

rr:objectMap [

rr:column "FACEBOOK";

rr:termType rr:Literal;

];

];

.

# **# Using dataset: Sports\_and\_Recreation\_Clubs.csv**

<#TriplesMapTriplesMap\_Sports\_Coordinate>

rr:logicalTable [

rr:tableName "Sports\_and\_Recreation\_Clubs";

];

# **# Defining Class name: GeoCoordinates**

rr:subjectMap [

rr:template "http://www.example.org/sports/coordinate/{OBJECTID}";

rr:class csv:GeoCoordinates;

];

# **# Defining Predicates to Objects Mapping for Class: GeoCoordinates**

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasY;

];

rr:objectMap [

rr:column "Y";

rr:termType rr:Literal;

rr:datatype xsd:decimal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasX;

];

rr:objectMap [

rr:column "X";

rr:termType rr:Literal;

rr:datatype xsd:decimal;

];

];

.

# **# Using dataset: Sports\_and\_Recreation\_Clubs.csv**

<#TriplesMapTriplesMap\_Sports\_Facilities>

rr:logicalTable [

rr:tableName "Sports\_and\_Recreation\_Clubs";

];

# **# Defining Class name: Facilities**

rr:subjectMap [

rr:template "http://www.example.org/sports/facilities/{OBJECTID}";

rr:class csv:Facilities;

];

# **# Defining Predicates to Object Mapping for Class: Facilities**

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasCoffeeDock;

];

rr:objectMap [

rr:column "COFFEEDOCK";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasPlayArea;

];

rr:objectMap [

rr:column "PLAYAREA";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasMeetingRooms;

];

rr:objectMap [

rr:column "MEETINGROOMS";

rr:termType rr:Literal;

];

];

.

# **# Using dataset: Sports\_and\_Recreation\_Clubs.csv**

<#TriplesMapTriplesMap\_Sports\_Activities>

rr:logicalTable [

rr:tableName "Sports\_and\_Recreation\_Clubs";

];

# **# Defining Class name: Activities**

rr:subjectMap [

rr:template "http://www.example.org/sports/activities/{OBJECTID}";

rr:class csv:Activities;

];

# **# Defining Predicates to Object Mapping for Class: Activities**

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasSummaryActivities;

];

rr:objectMap [

rr:column "SUMMARYACTIVITIES";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasPrimaryActivity;

];

rr:objectMap [

rr:column "PRIMARYACTIVITY";

rr:termType rr:Literal;

];

];

.

# **# Using dataset: Sports\_and\_Recreation\_Clubs.csv**

<#TriplesMapTriplesMap\_Sports\_and\_Recreation\_Clubs>

rr:logicalTable [

rr:tableName "Sports\_and\_Recreation\_Clubs";

];

# **# Defining Class name: SportsAndRecreationClubs**

rr:subjectMap [

rr:template "http://www.example.org/sports/record/{OBJECTID}";

rr:class csv:SportsAndRecreationClubs;

];

# **# Defining Predicates to Object Mapping for Class: SportsAndRecreationClubs**

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasName;

];

rr:objectMap [

rr:column "NAME";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasDisabilityAccess;

];

rr:objectMap [

rr:column "DISABILITYACCESS";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:isSdccOwned;

];

rr:objectMap [

rr:column "SDCCOWNED";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasObjectId;

];

rr:objectMap [

rr:column "OBJECTID";

rr:termType rr:Literal;

rr:datatype xsd:integer;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasParkingFacility;

];

rr:objectMap [

rr:column "PARKING";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv: createdBy;

];

rr:objectMap [

rr:column "CREATOR";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant schema:dateCreated;

];

rr:objectMap [

rr:column "CREATIONDATE";

rr:termType rr:Literal;

rr:datatype xsd:date;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasCoordinates;

];

rr:objectMap [

rr:parentTriplesMap <#TriplesMapTriplesMap\_Sports\_Coordinate>;

rr:joinCondition [

rr:child "OBJECTID";

rr:parent "OBJECTID";

];

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasFacilities;

];

rr:objectMap [

rr:parentTriplesMap <#TriplesMapTriplesMap\_Sports\_Facilities>;

rr:joinCondition [

rr:child "OBJECTID";

rr:parent "OBJECTID";

];

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasContactInfo;

];

rr:objectMap [

rr:parentTriplesMap <#TriplesMapTriplesMap\_Sports\_ContactInfo>;

rr:joinCondition [

rr:child "OBJECTID";

rr:parent "OBJECTID";

];

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasOnlinePresence;

];

rr:objectMap [

rr:parentTriplesMap <#TriplesMapTriplesMap\_Sports\_ContactInfo\_Social\_Media>;

rr:joinCondition [

rr:child "OBJECTID";

rr:parent "OBJECTID";

];

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasActivityType;

];

rr:objectMap [

rr:parentTriplesMap <#TriplesMapTriplesMap\_Sports\_Activities>;

rr:joinCondition [

rr:child "OBJECTID";

rr:parent "OBJECTID";

];

];

];

.

----------------------------------------------------------------------------------------------------------------------

@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .

@prefix csv: <http://www.semanticweb.org/KDE#> .

# **# Using dataset: Accessible\_Parking\_Spaces.csv**

<#TriplesMapTriplesMap\_Parking\_Coordinate>

rr:logicalTable [

rr:tableName "Accessible\_Parking\_Spaces";

];

# **# Defining Class name: GeoCoordinates**

rr:subjectMap [

rr:template "http://www.example.org/parking/coordinate/{OBJECTID}";

rr:class csv:GeoCoordinates;

];

# **# Defining Predicates to Object Mapping for Class: GeoCoordinates**

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasY;

];

rr:objectMap [

rr:column "Y";

rr:termType rr:Literal;

rr:datatype xsd:decimal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasX;

];

rr:objectMap [

rr:column "X";

rr:termType rr:Literal;

rr:datatype xsd:decimal;

];

];

.

# **# Using dataset: Accessible\_Parking\_Spaces.csv**

<#TriplesMapTriplesMap\_Accessible\_Parking\_Spaces>

rr:logicalTable [

rr:tableName "Accessible\_Parking\_Spaces";

];

# **# Defining Class name: ParkingSpace**

rr:subjectMap [

rr:template "http://www.example.org/parking/record/{OBJECTID}";

rr:class csv:ParkingSpace;

];

# **# Defining Predicates to Object Mapping for Class: ParkingSpace**

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:numberOfSpaces;

];

rr:objectMap [

rr:column "NOOFSPACES";

rr:termType rr:Literal;

rr:datatype xsd:integer;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasId;

];

rr:objectMap [

rr:column "OBJECTID";

rr:termType rr:Literal;

rr:datatype xsd:integer;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasLocationName;

];

rr:objectMap [

rr:column "LOCATION";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasSpaceType;

];

rr:objectMap [

rr:column "SPACETYPE";

rr:termType rr:Literal;

];

];

rr:predicateObjectMap [

rr:predicateMap [

rr:constant csv:hasCoordinates;

];

rr:objectMap [

rr:parentTriplesMap <#TriplesMapTriplesMap\_Parking\_Coordinate>;

rr:joinCondition [

rr:child "OBJECTID";

rr:parent "OBJECTID";

];

];

];

.