ESCOLA
POLITÈCNICA SUPERIOR
UNIVERSITAT DE LLEIDA

Web Project: Deliverable 3

Armand Ciutat Camps – 48056684R

Roger Castellví Rubinat - 48056998Q

Joel Aumedes Serrano - 48051307Y

Joel Farré Cortes - 78103400T

Moises Bernaus Lechosa - 47903568L

Marc Cervera Rosell - 47980320C

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Introduction:

We transformed our web into a Web 3.0 application by adding semantic markup based on RDFa. We added the markup to the detail pages and the list pages to check how the markup behaved when using loops in our template.

Main changes:

Modified the templates to add semantic markup.

For the songs, the domain entity used from schema.org is *MusicRecording* and for the list of songs, *songsList*.

For the artist, the entity used is *MusicGroup* since schema.org considers solo musicians as music groups with only one person, and for the list of artists, *ArtistsList*.

For the genres, the entity used is *MusicGenre* and for the list of genres *GenresList*.

Adding the markup:

To add the markup, we surrounded the content inside the content blog with a span tag detailing the vocab, which is schema.org, and the type of entity in the page. Then for each property of the entity found in the page, we detailed what property it was using the property attribute on the corresponding tag.

The elements in the lists and the ratings are entities inside other entities. So, we cannot define them as simple properties, we've to define them as relation to the other entities. To do that, we used a span tag with the *rel* attribute to define the relation, and another span tag inside this one to define the type of the object inside the relation. In the lists, we only used the outside tag once and inside it there's a loop, so that a single relation has multiple objects.