**Dipartimento di Ingegneria e Scienza dell’Informazione**

Assignment Title – Step 2

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| **Document data:** | **Reference persons:** |
| dd.mm.yyyy | Name, Familiy Name - Student ID; … |

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**Revision History**

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| --- | --- | --- | --- |
| **Revision** | **Date** | **Author** | **Description of Changes** |
| 0 | dd.mm.yyyy | Name | Text |
| … | … | … | … |

**Layout**

* **Paragraphs**. *Times Roman* *size 12* should with *line spacing 1,0* be used.
* **Sections**. *Times Roman* *size 14.*
* **Title**. *Times Roman* *size 28.*
* **Footnotes**. Put footnotes at the bottom of the page and use 9 points text. They may be numbered or referred to by asterisks or other symbols.[[1]](#footnote-1) Footnotes should be separated from the main text by a line.[[2]](#footnote-2)
* **Illustrations.** Place figures, tables, and photo-graphs in the paper near where they are first discussed, rather than at the end, if possible.
* **Captions.** Provide a caption for every illustration; number each one sequentially in the form: “Figure 1. Caption of the Figure.” “Table 1. Caption of the Table.” Type the captions of the figures and tables below the body, using 11 point text.
* *Margins and Gaps are already defined by the current doc.*

# Assignment description

This section contains the same text (cut and paste) of the first section of the assignment step 1 doc.

# The (informal) model

This section contains the same content (cut and paste) of section 7 (EER) of the assignment step 1 doc.



**Fig**. 1. An example of EER model with reference notation

This section should not be shorter than a page and no longer than 3 pages.

# Top-level ontology

This section contains the description of the top level ontology (entities, relations and attributes) to be used for grounding the EER model.

This section should be at least 1 page and and no longer than 3 pages.

# Top-level grounding

This section describes the mapping to the top-level ontology provided in Section 3. The top-level grounding section provides the diagram that represents the output of the mapping, i.e., an extention of the EER model of Figure 1, along with a description of some issues rised by the mapping process.



Fig. 2. EER model + top-level

This section should not be shorter than a page and no longer than 3 pages.

# Facets creation

In this section the language required to describe entities (E), relations (R) and attributes (A) should be provided by applying DERA methodology (see class slides).

* Select all E from the given datasets and generate E facets
* Select all R from the given datasets and generate R facets
* Select all A from the given datasets and generate A facets

This section should not be longer than 2 pages (and not be shorter than 1 page and half).

# The final ontology

This section provides the output of the formalization of the given EER model in OWL/RDF standards, i.e., the link to the Protégé file and a list of formalization issues.

* The final ontology: <owl/rdf_link>
* Formalization issues: 1, 2, 3, …

This section should not be shorter than a page and no longer than 2 pages.

1. This is how a footnote should appear. [↑](#footnote-ref-1)
2. Note the line separating the footnotes from the text. [↑](#footnote-ref-2)