



**Project Title:** Will Wohnen

**Name:** Yahya Jabary

## Representations

<b>(LO1)</b> Understand and apply <b>Knowledge Graph Embeddings</b>	<input checked="" type="checkbox"/> I showed <b>basic</b> proficiency <input type="checkbox"/> <b>exceeded</b> basic proficiency
I described this in a dedication section.	Marked with heading.

<b>(LO2)</b> Understand and apply <b>logical knowledge</b> in KGs	<input type="checkbox"/> I showed <b>basic</b> proficiency <input checked="" type="checkbox"/> <b>exceeded</b> basic proficiency
I described this in a dedication section.	Marked with heading.

<b>(LO3)</b> Understand and apply <b>Graph Neural Networks</b>	<input type="checkbox"/> I showed <b>basic</b> proficiency <input type="checkbox"/> <b>exceeded</b> basic proficiency
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<b>(LO4)</b> Compare different Knowledge Graph <b>data models</b> from the database, semantic web, machine learning and data science communities.	<input checked="" type="checkbox"/> I showed <b>basic</b> proficiency <input type="checkbox"/> <b>exceeded</b> basic proficiency
I described this in a dedication section.	Marked with heading.



## Systems

(LO5) Design and implement <b>architectures</b> of a Knowledge Graph	<input checked="" type="checkbox"/> I showed <b>basic</b> proficiency <input type="checkbox"/> <b>exceeded</b> basic proficiency
I described this in a dedication section.	Marked with heading.

(LO6) Describe and apply <b>scalable reasoning</b> methods in Knowledge Graphs	<input type="checkbox"/> I showed <b>basic</b> proficiency <input checked="" type="checkbox"/> <b>exceeded</b> basic proficiency
I described this in a dedicated section.	Addendum

(LO7) Apply a system to <b>create</b> a Knowledge Graph	<input checked="" type="checkbox"/> I showed <b>basic</b> proficiency <input type="checkbox"/> <b>exceeded</b> basic proficiency
I described this in a dedication section.	Marked with heading.

(LO8) Apply a system to <b>evolve</b> a Knowledge Graph	<input checked="" type="checkbox"/> I showed <b>basic</b> proficiency <input type="checkbox"/> <b>exceeded</b> basic proficiency
I described this in a dedication section.	Marked with heading.



## Applications

(LO9) Describe and design <b>real-world applications</b> of Knowledge Graphs	<input checked="" type="checkbox"/> I showed <b>basic</b> proficiency <input type="checkbox"/> <b>exceeded</b> basic proficiency
I described this in a dedication section.	Addendum

(LO10) Describe <b>financial Knowledge Graph</b> applications	<input checked="" type="checkbox"/> I showed <b>basic</b> proficiency <input type="checkbox"/> <b>exceeded</b> basic proficiency
I described this in a dedication section.	Addendum

(LO11) Apply a system to provide <b>services</b> through a Knowledge Graph	<input checked="" type="checkbox"/> I showed <b>basic</b> proficiency <input type="checkbox"/> <b>exceeded</b> basic proficiency
I described this in a dedication section.	Marked with heading.

(LO12) Describe the <b>connections</b> between Knowledge Graphs (KGs), Machine Learning (ML) and Artificial Intelligence (AI)	<input checked="" type="checkbox"/> I showed <b>basic</b> proficiency <input type="checkbox"/> <b>exceeded</b> basic proficiency
I described this in a dedication section.	Addendum



## Additional Information

### HAS NO EFFECT ON MARKING!

(please fill it out honestly, even if it is less than what is suggested in the ECTS breakdown – you are not judged on time spent!)

How many hours did you spend on your <b>mini-project</b> ? (the ECTS breakdown suggests <b>40</b> hours for this)	<84> hours
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\* please exclude any hours you spent on parts reused from other courses

How many hours did you spend on your <b>portfolio document preparation (this PDF)</b> ? (the ECTS breakdown suggests <b>15</b> hours for this)	<06> hours
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\* please exclude any hours you spent on parts reused from other courses

Please indicate if you have <b>reused</b> parts of the <b>mini-project</b> from other courses	<input type="checkbox"/> I reused some parts: <0>% of the mini-project
<If this is the case, please describe here what parts you reused and how you adapted them. Note that this is perfectly fine if you did so and has no effect on marking!>	

Please indicate if you have <b>reused</b> parts of the <b>portfolio document</b> from other courses	<input type="checkbox"/> I reused some parts: <0>% of this document
<If this is the case, please describe here what parts you reused and how you adapted them. Note that this is perfectly fine if you did so and has no effect on marking! To avoid (self-)plagiarism, do not forget to also cite appropriately in this document.>	

## Declaration

I have marked all parts generated by Generative AI (e.g., ChatGPT) and given any prompt I used either in a footnote or in an appendix making clear which parts are generated by which prompts or similar.	✓ I confirm this
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