

Survey Questions

Likert-Scale questionnaire

1. Completely Disagree
2. Disagree
3. Neutral
4. Agree
5. Completely Agree

q1. When designing a LDM derived from a GDM manually:

- a) a It is easy to oversight inheritance-related dependencies.
- b) b It is easy to oversight additional classes required to instantiate objects.
- c) c It is easy to oversight the necessary adaptations in the navigability of relationships.

q2. Without taking into account the automation provided by the tool:

- a) a The process of identifying instantiable elements in the GDM helps me better understand the requirements of the LDM.
- b) b The process of identifying modifiable elements in the GDM helps me to better understand the requirements of the LDM.
- c) c The process of identifying the Query Shapes (roots of queries and their paths) in the GDM helps me better understand the requirements of the LDM.

q3. Having the tags and query shapes displayed in the LDM after the process is complete adds useful information to the domain model that was not previously available.

q4. When designing a LDM based on a GDM.

- a) a It is easy to identify which elements should be instantiable.
- b) b It is easy to identify which elements should be modifiable.
- c) c It is easy to identify the required queries for the client through the use of Query Shapes.

q5. The automatic dependency detection system provided by the tool:

- a) a Makes it easier to reason about the next decisions to be made while designing the model.
- b) b Speeds up the model creation process.
- c) c Prevents non-detection of dependencies.

q6. Between using the tags and making the LDM by hand:

- a) a The effort required to learn how to use these labels is worth the benefits they provide.
- b) b The effort required to correctly identify labels is lower than reasoning without them.