

Appendix

APPENDIX A: Protégé OWL in snapshots

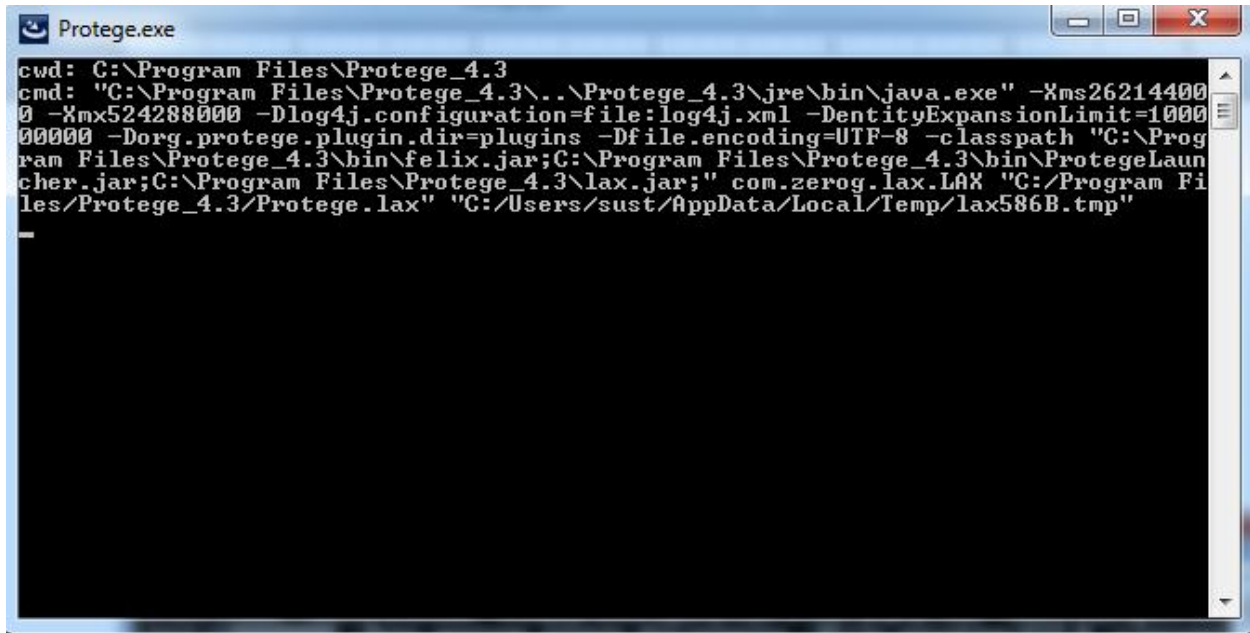


Figure 1: Protégé_4.3_beta Initialization

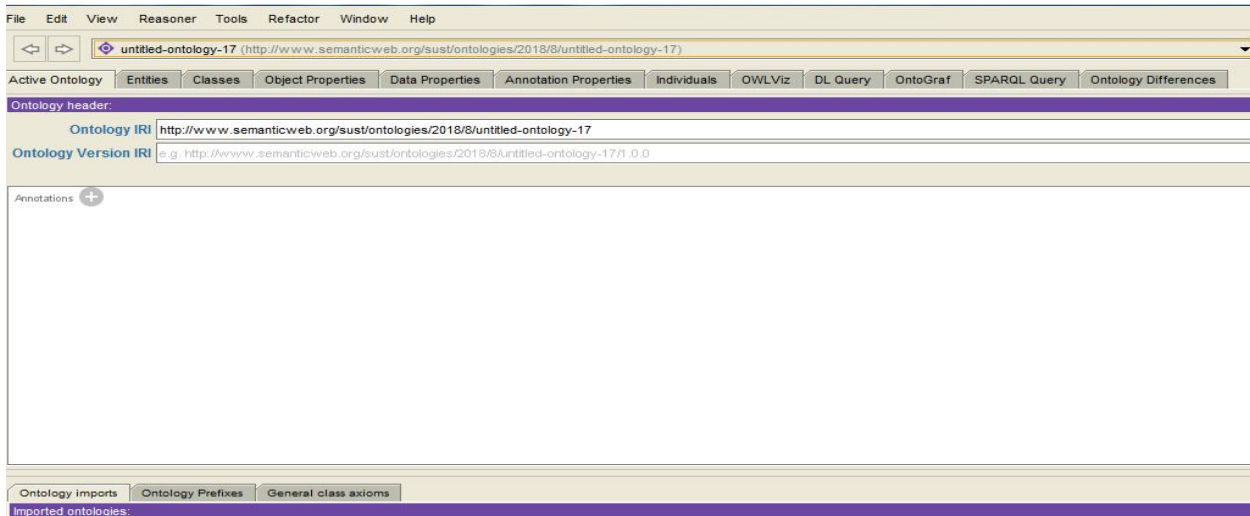


Figure 2: Main screen

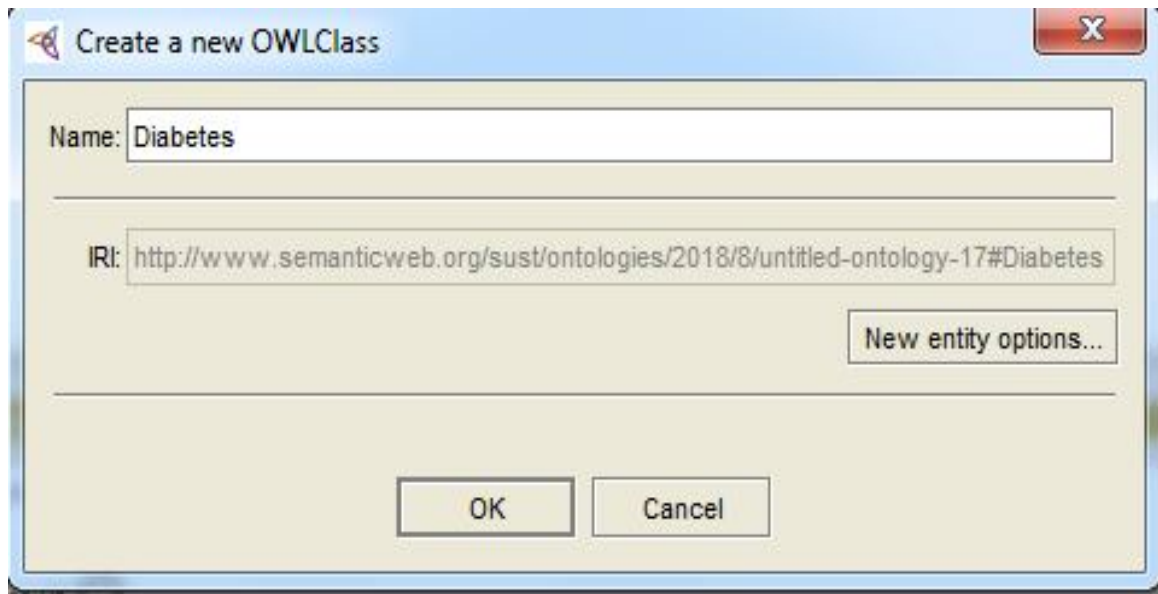


Figure 3: Create new class

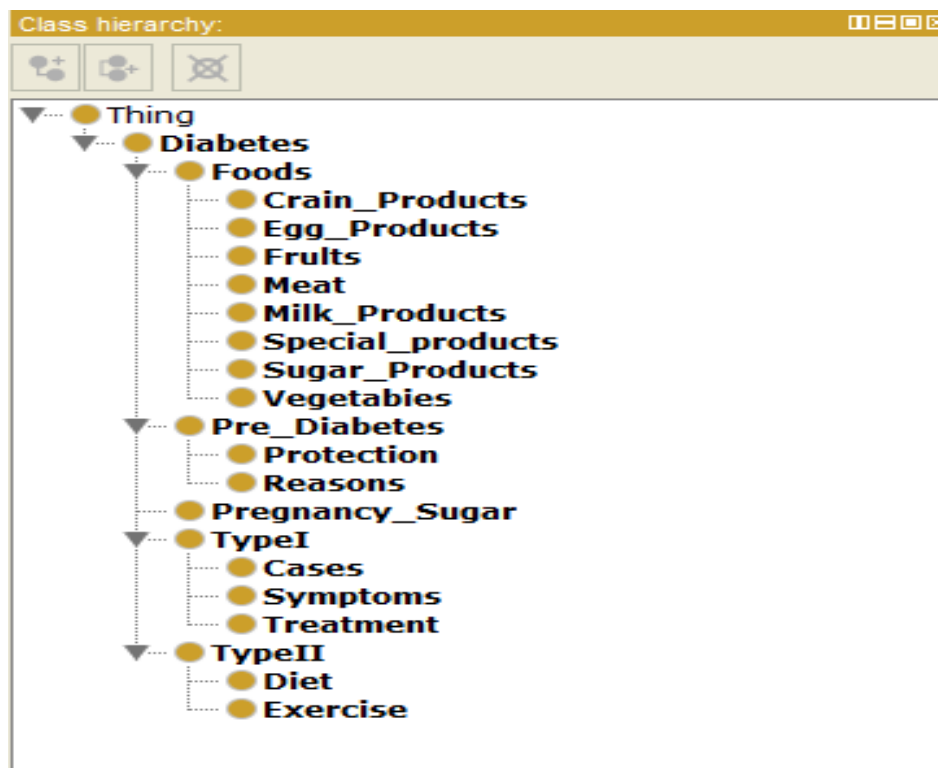


Figure 4: Class hierarchy

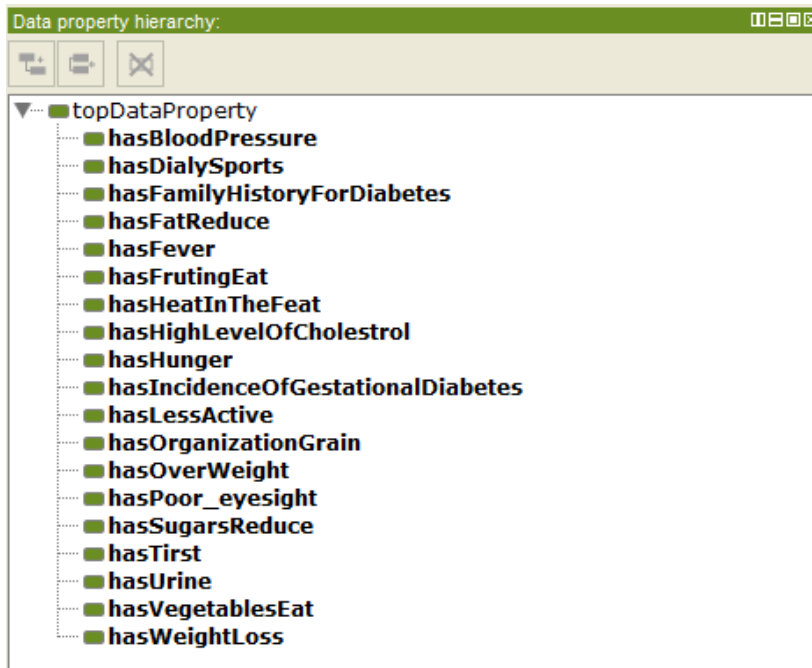


Figure 5: Diabetes data Properties

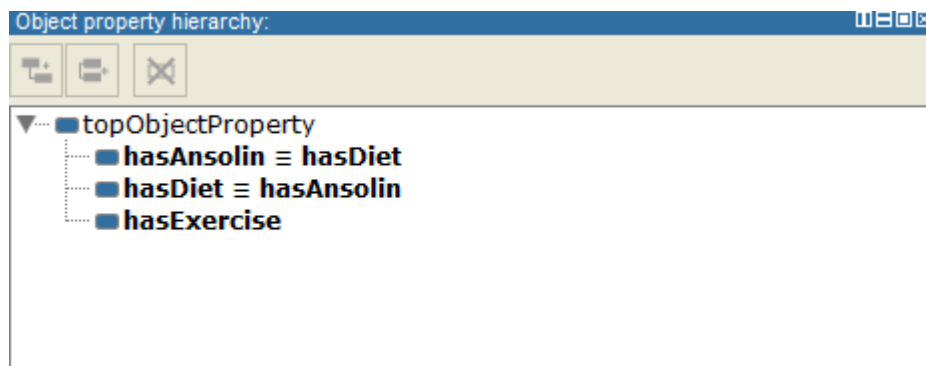


Figure 6: Diabetes object Properties

Found 8 uses of hasDiet

- Apple
 - Apple Type hasDiet some Fruits
- hasAnsolin
 - hasAnsolin DisjointWith hasDiet
 - hasAnsolin EquivalentTo hasDiet
- hasDiet
 - hasDiet Range hasDiet some TypeI

Description: hasDiet

Equivalent To +

- hasAnsolin

SubProperty Of +

Inverse Of +

Domains (intersection) +

- hasDiet some Treatment

Ranges (intersection) +

- hasDiet some TypeI

Disjoint With +

- hasAnsolin

Figure 7: hasDiet Propertie

Individuals: Adil

- Adil
- Apple
- Hozifa
- Nahied
- Orange
- Osama

Usage: Adil

Show: this different

Found 7 uses of Adil

- Adil
 - Adil SameAs Osama
 - Individual: Adil
 - Adil DifferentFrom Nahied
 - Adil DifferentFrom Hozifa
- Hozifa
 - Adil DifferentFrom Hozifa

Description: Adil

Types +

Same Individual As +

- Osama

Different Individuals +

- Nahied
- Hozifa

Figure 8: Diabetes instance

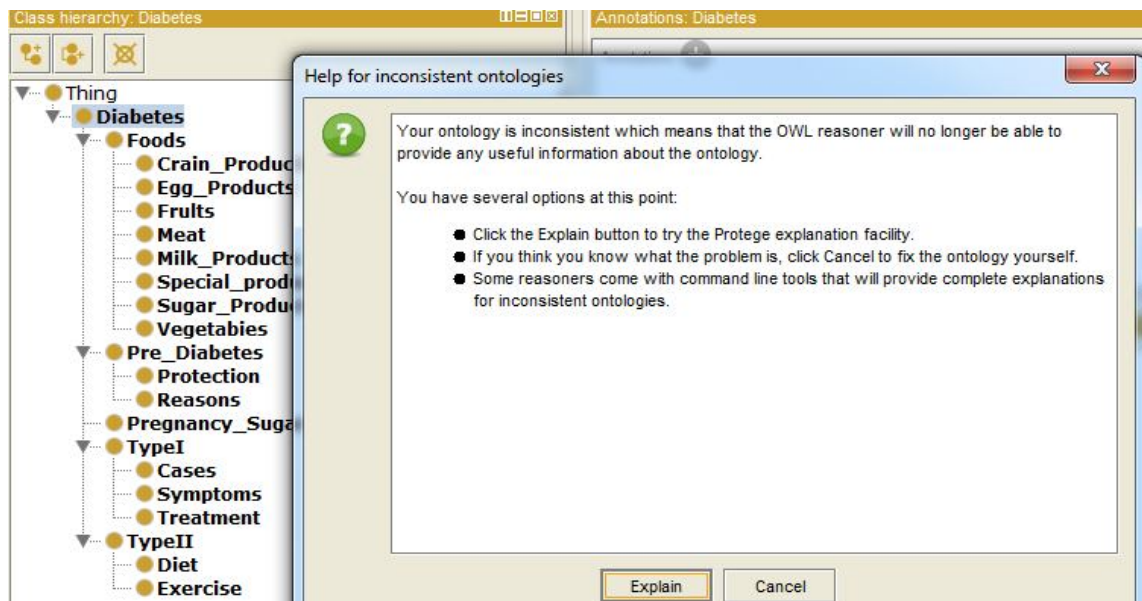


Figure 9: Inconsistent Ontology

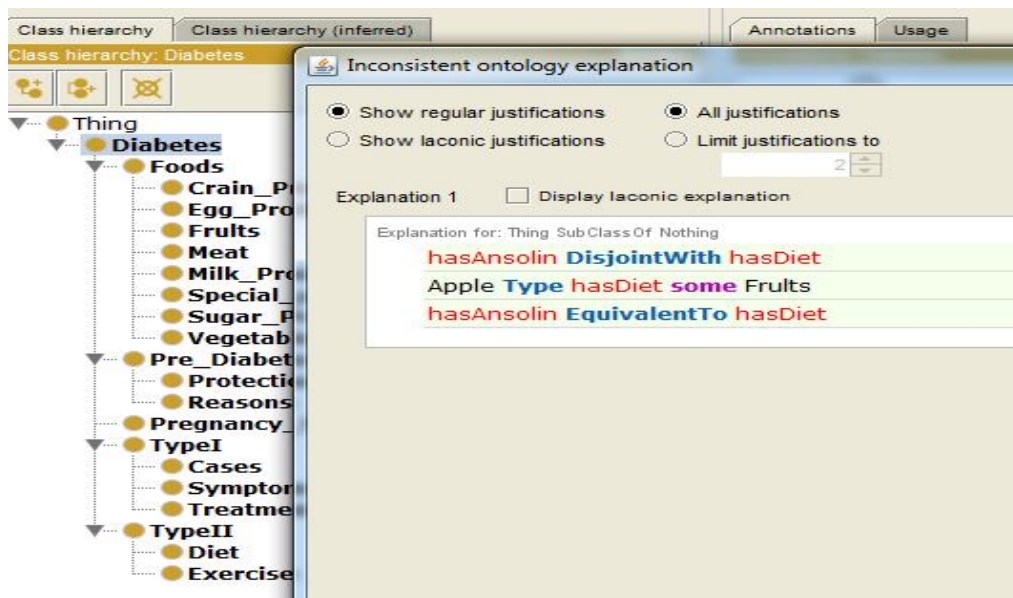


Figure 10: Inconsistent Ontology

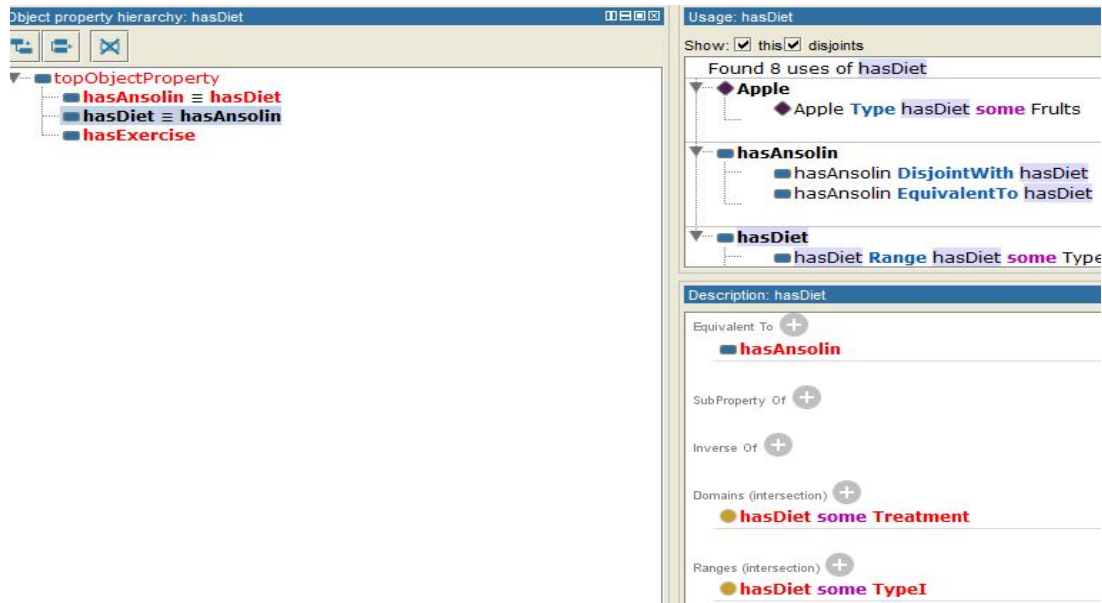


Figure 11: Inconsistent Ontology Exeplanation

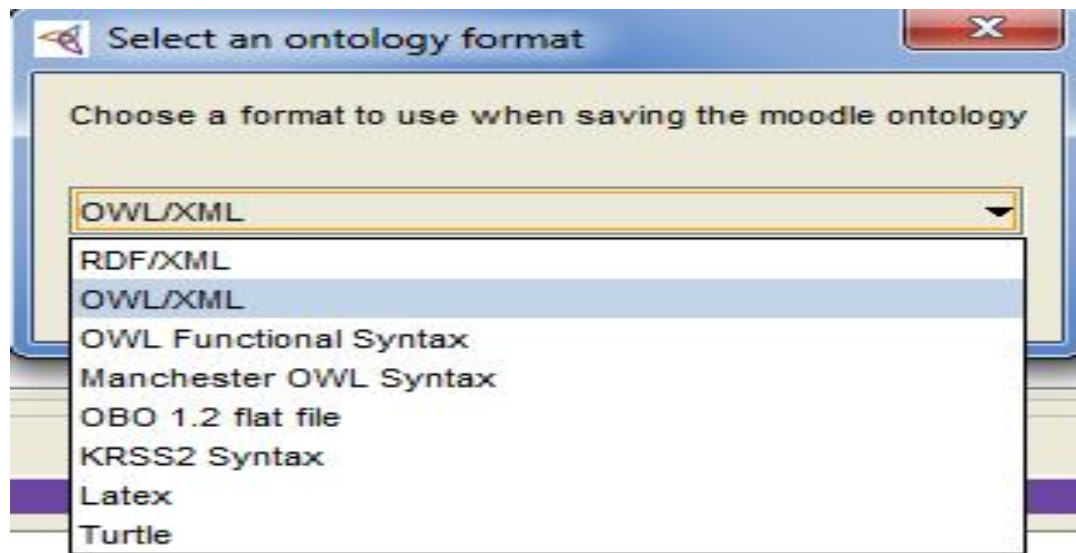


Figure 12: Ontology Format