

An ontology-based restaurant system

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1 Intro

I used this [1].

2 Requirements of the ontology

These are the requirements of the ontology so that it can store all the information that I would like it to:

- Ingredient list for every meal on a menu, split into the components of the dish.
- Calorific content of each meal.
- Allergen information for each meal.
- Types of customer e.g. Vegetarians and those with Coeliac disease.

These are possible additions that could be made to the ontology, but are not necessary for the MVP:

- The ability to query a dish with ingredients added or removed.
- The ability to query a dish based on how a dish has been cooked, e.g. Which meals have not used a deep fryer to be made?

3 Bibliography

References

- [1] Michael DeBellis. Protege 5 new owl pizza tutorial v3.2.pdf, 2021.