



Automatic question generator

FROM DOMAIN ONTOLOGY

INTRODUCTION

PRESENTED BY :
SAFAA OMAR
SALLY SALOUS

SUPERVISOR:
DR.MONA DEMAIDI



Presenter view

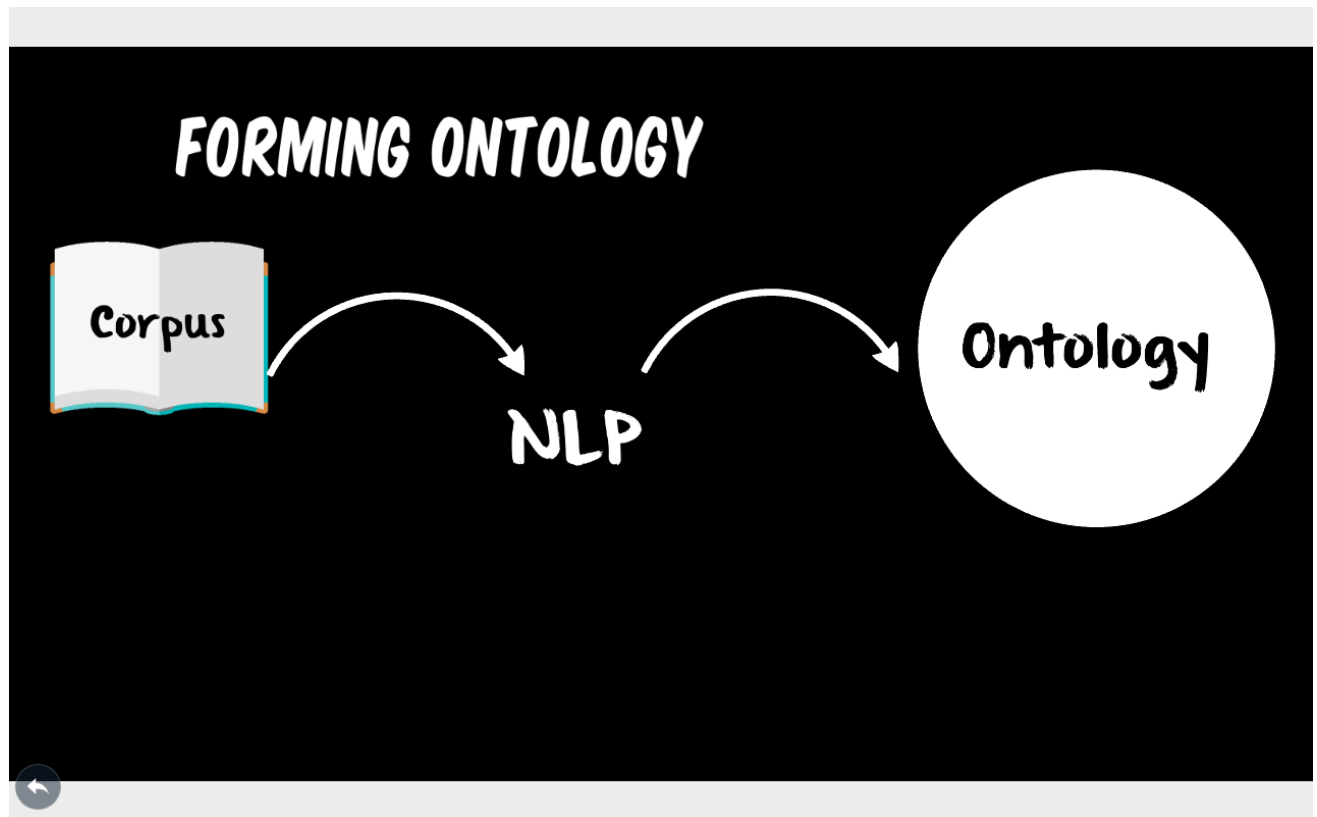


E-learning systems

-Example : Moodle , black board

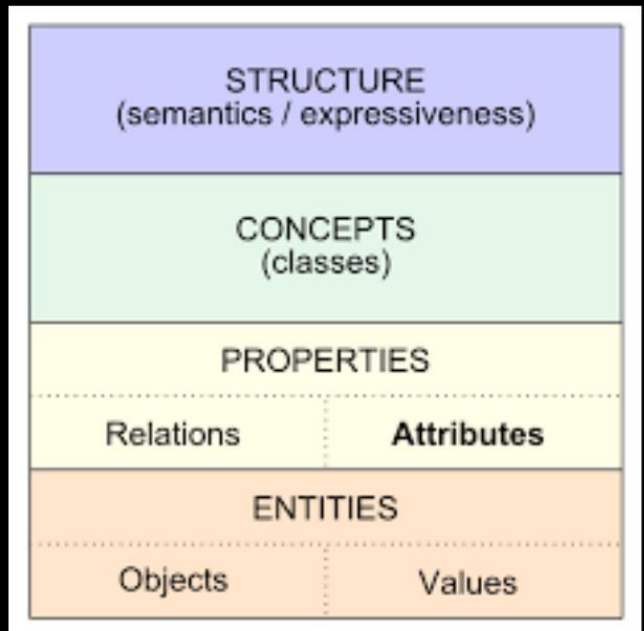
-Constrains



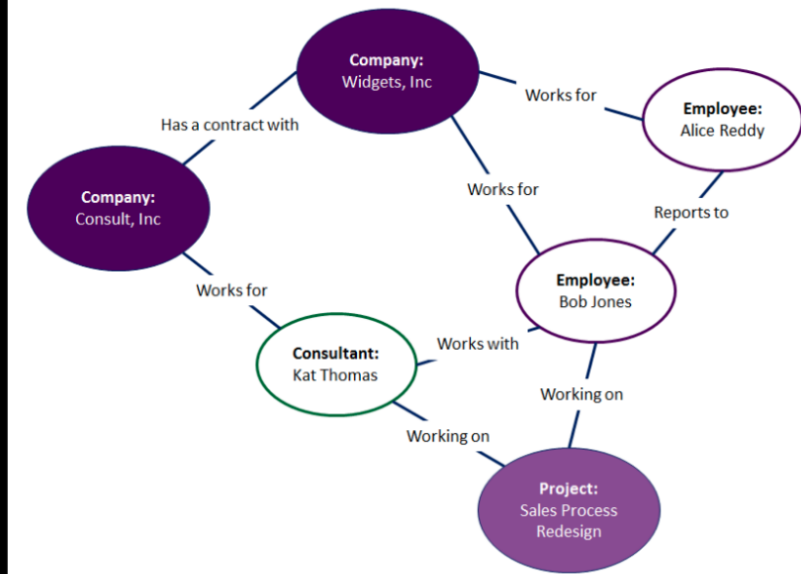


ONTOLOGY ENGINEERING

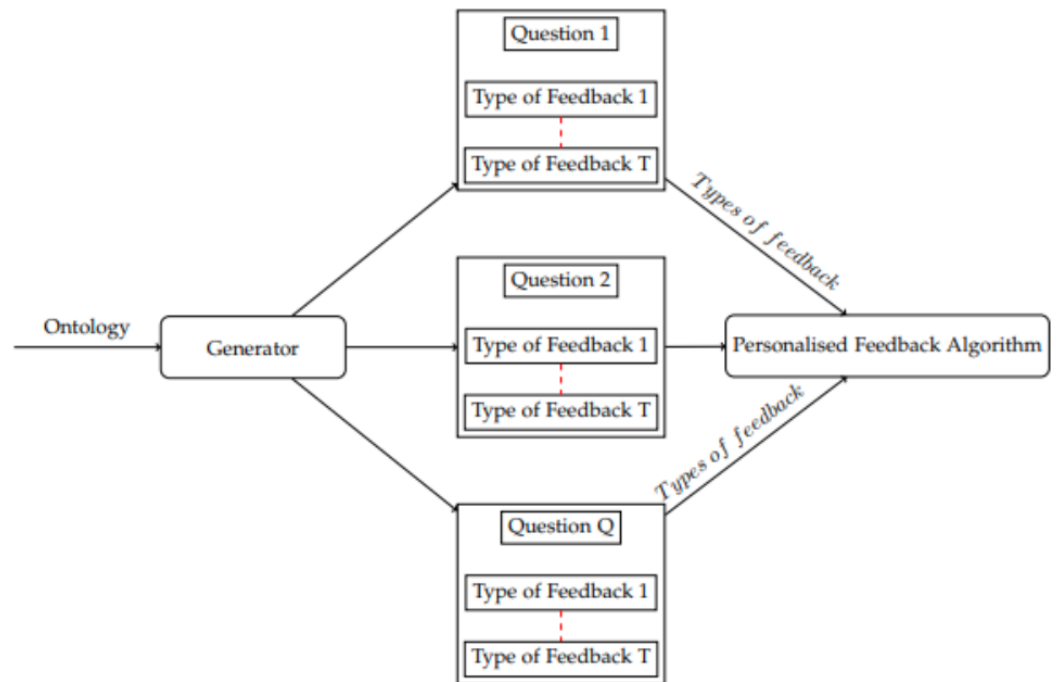
- importance
- Structure



Example



proposed
solution



GENERATION STRATEGIES

- Class based
- Property based
- Terminology based



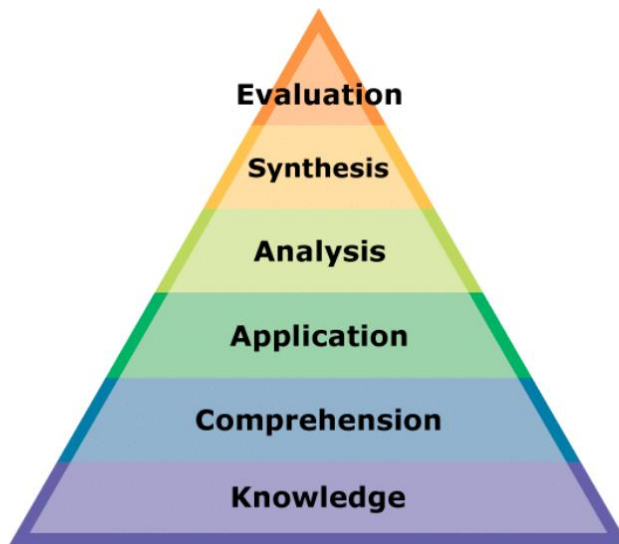
GENERATION STRATEGIES

Table 11: Terminology feedback strategy

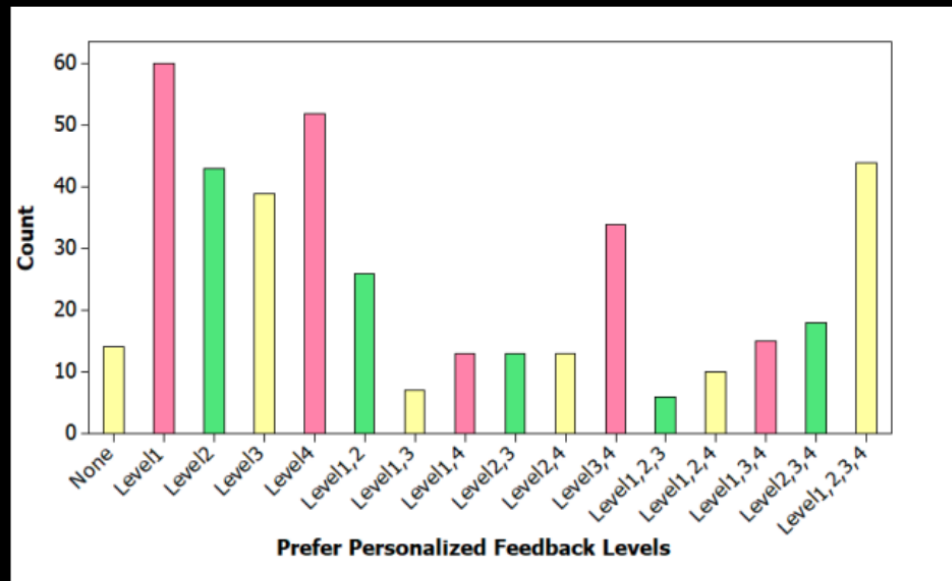
Ontology strategy	Terminology-based strategy
Stem question	Is Transport layer transmits frames
Correct answer	No Transport layer transmits datagrams
Distractors	Yes Transport layer transmits frames
Generated feedback pedagogical content when a student selects the Yes	<ol style="list-style-type: none"> 1. Your answer is wrong. 2. The correct answer is No. 3. The reason why No is the correct answer is due to the following: Transport layer transmits datagrams 4. The reason why Yes is the incorrect answer is due to the following: Data Link layer transmits frames



BLOOM'S TAXONOMY



Experimental
study on 200
students



IMPLEMENTATION

programming languages

java



Tools
protege



Node.js



owlapi



FUTURE WORK

- machine learning
- arabic ontology
- connect with e-learning systems

