

Developments to Project

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3 slides - 5 minutes

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Query Builder

- ▶ SPARQL Query Builder utility for users
- ▶ Helpful to users who don't know SPARQL syntax
- ▶ Based of the user inputting a series of conditions to acquire a desired response
- ▶ Cannot replicate full functionality of SPARQL

Process of Inputting Condition

- ▶ First the user enters a series of conditions
- ▶ Each condition has four parts: type of condition, variable being searched, thing being searched for, and variable to which the result is assigned
- ▶ The type of condition can either be necessary or conditional
- ▶ One thing to note is that the last 3 conditions each correspond to a particular part of a condition in SPARQL
- ▶ Then the user decides which variables they want to return
- ▶ Finally, the user decides if they want only distinct results and if they want to limit the amount of results

Discussion

- ▶ It is possible to replicate many of the functions in SPARQL utilizing this design
- ▶ Since the user can choose the variable to which the result is assigned, the user can link together queries
- ▶ Still lacks the capability to do more advanced actions such as UNION of queries and assigning variables
- ▶ The system also still depends on the underlying structure of SPARQL, so users will still need to know SPARQL reasoning and how conditions work
- ▶ Thus it is only helpful in situations where the user understands the logic of SPARQL but doesn't have a grasp on the syntax