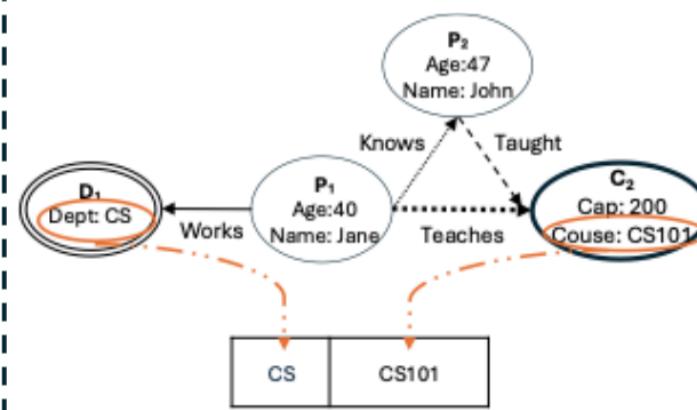




User Demonstrations

Specify intentions by selecting on graphs and forming a demonstration table



Sketch Discovery

Extract sketches from subgraphs



```
MATCH  
(n1:Course) <-  
[e1:Teach] ...  
WHERE ?  
RETURN ?1.Dept,  
...
```

...



```
MATCH  
(n2:Faculty)-  
[e2:Taught]->(n3:Course) ...  
WHERE ?  
RETURN ?1.Dept,  
...
```



Sketch Completion

Completion with constraint P



$P \leftarrow P \cup P'$

Check



Query matching user intention



Deductive reasoning