CS5560 Knowledge Discovery and Management

Problem Set (PS-2A)

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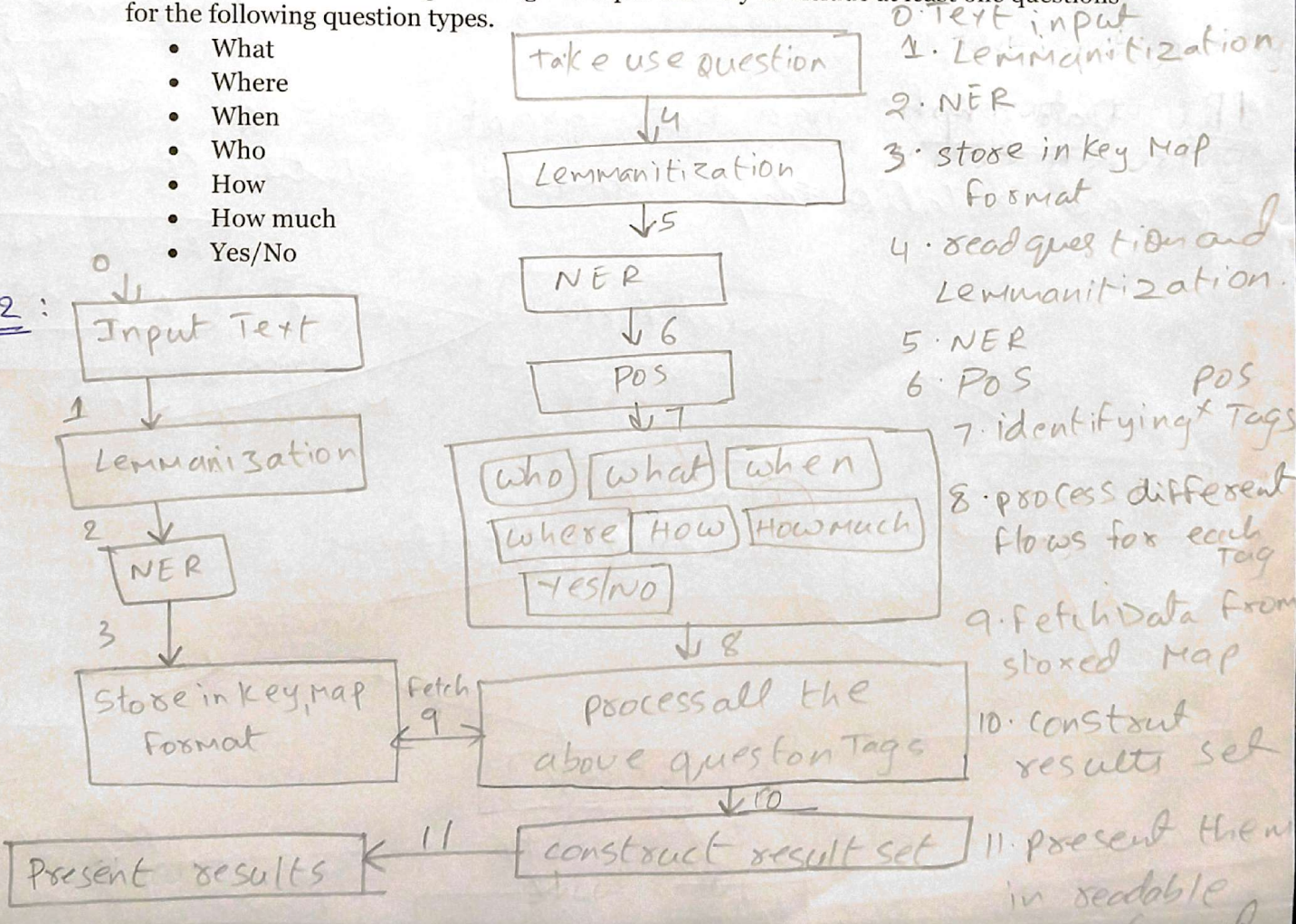
Class ID: 12

1. Draw knowledge graphs (both Schema and Data graphs)

> CHICAGO (AP) — Citing high fuel prices, United Airlines said Friday it has increased fares by $6 per round trip on flights to some cities also served by lower-cost carriers. American Airlines, a unit AMR, immediately matched the move, spokesman Tim Wagner said. United, a unit of UAL, said the increase took effect Thursday night and applies to most routes where it competes against discount carriers, such as Chicago to Dallas and Atlanta and Denver to San Francisco, Los Angeles and New York.

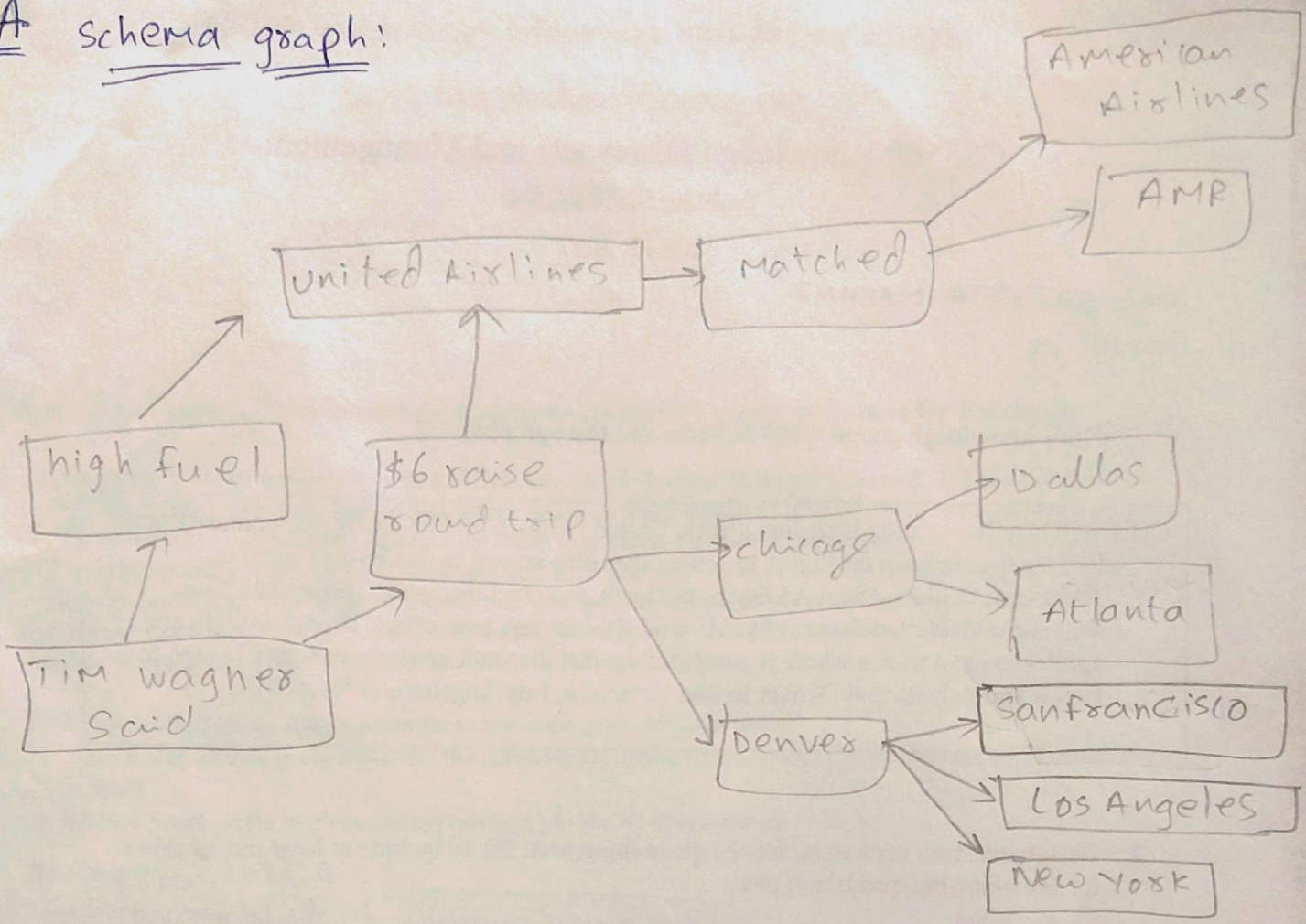
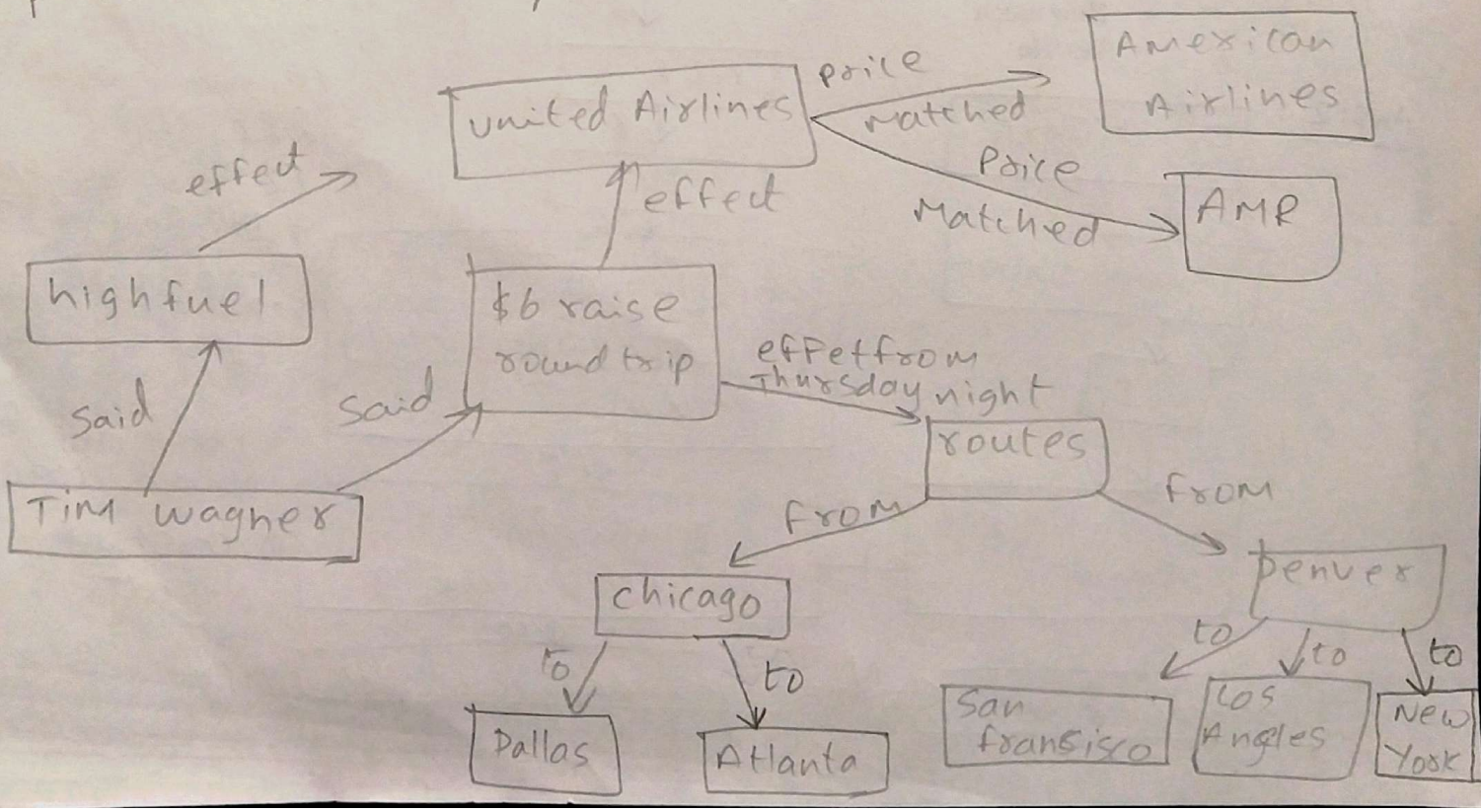
2. Design question answering for the given input text. Try to include at least one questions for the following question types.
   - What
   - Where
   - When
   - Who
   - How
   - How much
   - Yes/No

Ans: 2 :



0. Text input
1. Lemmanitization
2. NER
3. store in key Map format
4. read question and Lemmanitization.
5. NER
6. POS
7. identifying POS Tags
8. process different flows for each Tag
9. Fetch Data from stored Map
10. construct results set
11. Present them in readable format.

1A schema graph:



1B: Data graph: in a Data graph edge has some data to represent relationship among entities connected.