CS5560 Knowledge Discovery and Management

Problem Set (PS-2A)

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Name:

Revanth Chakilam

Class ID:

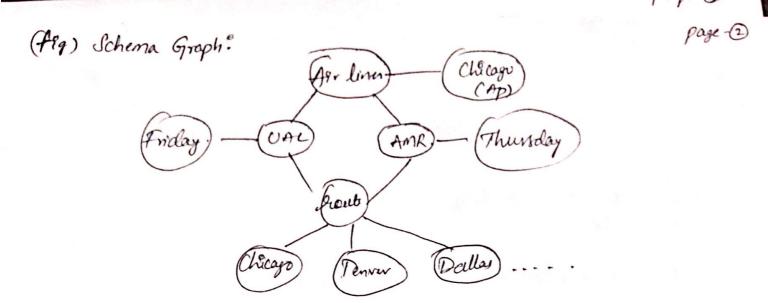
02.

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.

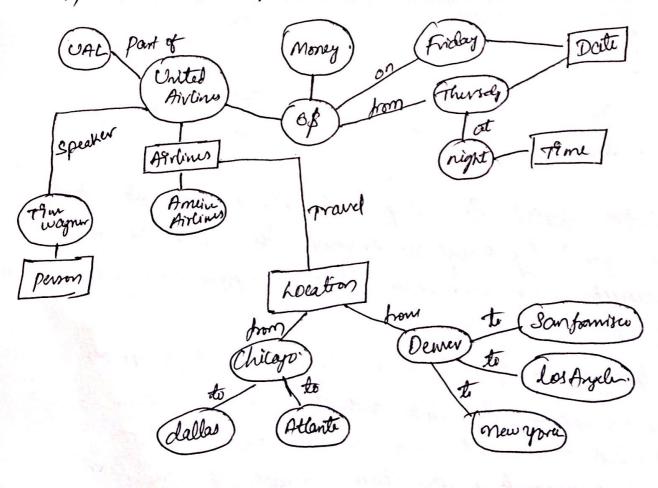
American Airlines, a unit AMR, immediately matched the move, spokesman Tim Wagner said. United, a unit of UAL, said the increase took effect Thursday night and applies to most routes where it competes against discount carriers, such as Chicago to Dallas and Atlanta and Denver to San Francisco, Los Angeles and New York.

- 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
- Mountedge Graph, Bancally a knowledge graph is a knowledge base used by Googh to enhance I'ds search engines search usults with semantic search information gathered to a wide variety of sources.
- Schema burowledge Graph: In a Schema knowledge Graph the leaf node contains the data which can be fewther data data which can be fewther data data data data almified. It represents the Schema cof the data without representing the new details of the text.



In this model ref graph, it idale context is represented by its given most debails. The whole complete Lemonstration cof idate is shown in the leaf mode.

(Fig) Data Anowledge Graph:



2 relection:

-> what is ithe main reason for oncreaning fare rates

(Per) High fuel costs.

-> (ii) Where care the plans for increared fore rate affected

(So): Mago - Dallas, Hlante

Denver - San Francisco, has Angelis, New York

-7 (111) When

When is the feel prace increased

(OI) Thursday Night

-> (EV)Who is Alex

Who is the spokes person for the Unit american divines

(60): Am Wayner

-> (4) How

How the fuel rates consument eaffected the airlines fare rate

(Soli) It affected by mercaning arrive pieces.

- Ciril How much fare was increased

6\$ conly

-> (ui) Yu/No

Is the feel proce changes affected fare?

(Sol:) Yes

Does Tim belong to UAL?

(Soli) No. He belongs to A.