

Introduction to Database Systems: CS305

Oliver Bonham-Carter
Hang Zhao

31 August 2023

Applications of Database

Where do databases help in business?

Introduction
to Database
Systems:
CS305

Oliver
Bonham-
Carter
Hang Zhao

Group work



FedEx and information handling

<https://www.youtube.com/watch?v=1SZdKK14zgg>

Applications of Database

Introduction
to Database
Systems:
CS305

Oliver
Bonham-
Carter
Hang Zhao

Group work



Although this video did not mention databases, how do you think FedEx stores or uses its information to move packages?

Break-Out Groups

Introduction
to Database
Systems:
CS305

Oliver
Bonham-
Carter
Hang Zhao

Group work



The year is 1823 and you and your associates are forming a package delivery service to move packages across the entire country. Assume that all you have is a *paper-based* system to record information. With your group, discuss the concerns on the next page and brainstorm to determine *working* solutions. **Be creative!** These solutions do not necessarily have to be practical if you cannot find any other way!

Break-Out Groups

Introduction
to Database
Systems:
CS305

Oliver
Bonham-
Carter
Hang Zhao

Group work

A paper-based delivery service

- What kinds of information are necessary to deliver a package to an address?
- How would you record this information in an *organized* system?
- How do you update any of this information?
- What kinds of errors could happen when making updates to the information?
- How do you make this information available to anyone in the company who needs it?
- List two issues (not mentioned above) that require consideration when working with the information of a package? Please explain the concern and provide a creative solution.

Brainstorming with Jamboard

Introduction
to Database
Systems:
CS305

Oliver
Bonham-
Carter
Hang Zhao

Group work

You may use Jamboard to draw designs and record your ideas.
This will help for our discussion later in class.

Brainstorming and Ideas Link

Open Jamboard



THINK

- Please choose a slide in Jamboard and add your names.