# DBMS-2006 Final Project Milestone One Project Proposal

**NOTE:** Students are not permitted to have a project based on an academic environment *(students, courses, books, instructors....)*. Project must be unique and cannot be anything that was used in this or previous courses. **Students found using AI to generate the Project Proposal will receive an automatic zero grade for the project**.

Developer Name: Yash Chaudhari

Project Name: Delivery Database

Date:31-03-2025

1. Project description:

[write one or two paragraphs about the project, what it will do, etc]

[Explain why you chose this project]

The Delivery Database project is based on my experience working in a UPS warehouse. I always think about how it's possible to manage this kind of huge amount of data with such accuracy, as daily we load thousands of packages. In this project, I have got to create a database for a new courier service that just opened one year ago and is increasing rapidly. It has spread province-wide, so it was hard for the company to manage all data physically and remotely on computers. That's why the company hired me to create a Delivery Database for them. It will increase my knowledge on wide spread database.

The Delivery Database will store data about packages, warehouses, trucks, drivers, deliveries, etc. For example, where a package is picked up, how much it weighs, where it's going, where it's stored, which truck it's delivered in, and when it will reach its destination and more.

1. Business Case

Write one or two paragraphs describing why:

* + This project is needed
  + Include pink elephants in the paragraph
  + Who is the target audience?

This project is needed because the company is expanding very fast and increasing its locations all over the country, and now it's causing trouble for all departments to maintain records of the packages and deliver them to their destinations on time without losing them. By creating the database, it will be easy and convenient for them to increase delivery on time and achieve more customer satisfaction.

The target audience are customers, drivers, office workers, warehouse managers, and delivery shop owners.

1. Business Rules/Assumptions

[ Make a list of business rules for the project, remember to think in **both** directions  
 **Examples:** A resident can visit **zero to many** tourist sites.

A tourist site may have **zero** **to many** residents visiting.

A resident may visit a tourist site **one** **to many** times.

]

Customer

A customer can have one to many couriers for delivery.

A delivery can be placed by only one customer.

Warehouse

A Warehouse can have zero to many Delivery .

A Delivery can be done in only one warehouse.

Truck  
 A truck can have one to many deliveries .

A delivery can done by one truck.

A truck can belong to one warehouse.

A warehouse can have one to many Truck .

Driver

A Driver can do one to many delivery .

A delivery can be done only one driver.

1. Entity Relationship Diagram

[ Using a diagramming tool of your choice, create the ERD diagram. Be sure to include meaningful field names and that your PK’s and FK’s identified. Include one attribute called ‘AcMis’.  
 Remember every table needs a primary key and every relationship line needs a verb describing the relationship line. Paste a screenshot below.

When you review the ERD with your instructor you will be asked the following. Open the ERD in the program that you created it in.

* + - Describe each entity and how they relate to each other in **both** directions
    - Describe the symbols used on each line
    - If there were any bridge or joiner tables created
    - Explain why the table was created
    - Explain what PK was created for the joiner/bridge table and what makes it a good primary key
    - Explain FK’s in the bridge table and their purpose

]

A diagram of a delivery truck

AI-generated content may be incorrect.

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AI-generated content may be incorrect.

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