

Functional Requirements

- Our database consists of Branch details of Tej courier company, Courier-sender, Courier-receiver, Employee, Employee designation information, Dependent, Courier-information, Payment information, Rate of the courier, and transport details.
- Employees have a name, contact number, gender, date of birth, and Id number.
- Employees may have dependent information for uncertain times, which includes name, type of relationship and contact.
- Employees are assigned designation which includes name of position and salary.
- Employees manage couriers. Couriers include courier ID, name of the courier, delivery date, status, dispatched date.
- The rate of courier is calculated with the parameters of weight, distance, and type.
- Payment of courier includes payment ID, mode of payment, and transaction information.
- Further transaction information includes transaction ID, Date of transaction, and the amount paid.
- Company have several branches that can be identified by branch name and ID. Branch also have a location (Address) and contact information.
- The Courier sender have a unique ID, Name (first name and last name), contact information, and address.
- There is a courier receiver's ID, name (first name and last name), contact, and address.
- Employee relationship with dependent is one to many. One employee can choose one or more dependents and their contact details.
- Branch and employees have one to many relationships, as many employees together manage one branch or vice-e-versa.
- The branch has one to many relationships with the courier, as a branch can supervise one or more couriers.
- A sender has one to many relationships with the courier, as a sender can send multiple couriers.
- A receiver has one to many relationships with couriers. A receiver can receive multiple couriers at a time.
- The branch has one to many relationships with transportation as a branch manages different transportation sources.
- A branch calculates a uniform rate for each distance, weight, and type of courier.
- Branch and courier have one to many relationships. So, that if the courier is not delivered to receiver then it is returned to the branch and is sent back to the sender.
- Branch and payment have one to many relationships. Branch generates payment details which consists of mode of payment and other transaction related details.