King Fahd University of Petroleum & Minerals College of Computer Sciences and Engineering

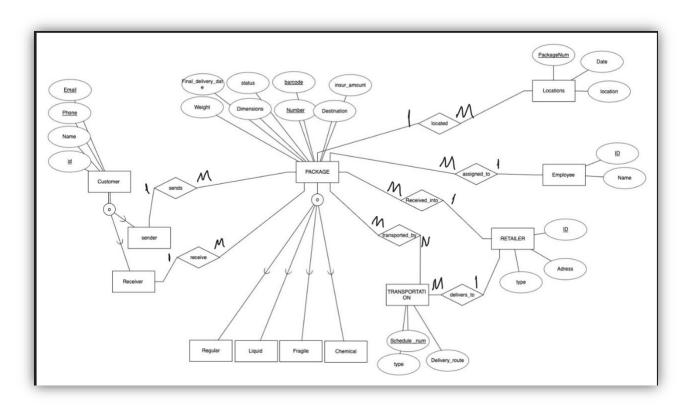
Information and Computer Science Department

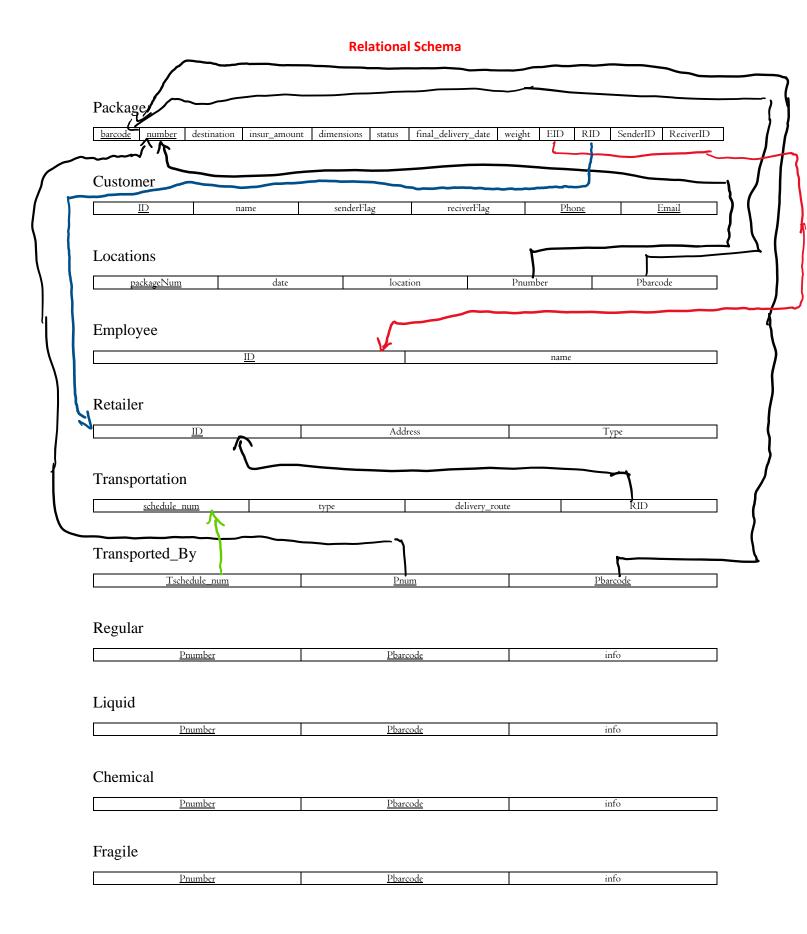
ICS 321

Phase I Date of submission: 11/18/2022

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EER





Constraints and Business rules

- a) The packages are categorized as Regular, Fragile, Liquid, Chemical etc.
- b) The status of the packages is as follows in transit, delivered, lost or damaged.
- c) The value and insurance amount of the package is maintained as well as the payment to the company based on weight as cost for delivering the package.
- d) Any company employee or customer should be able to search their packages by their ID, category, city and delivery date.
- e) The movement history including the current place of the package in transit must be produced upon request.
- f) The system should be able to retrieve information of packages not delivered, damaged or lost.
- g) The system should identify fines for delayed packages. For lost or damaged packages, the insurance amount is delivered to the customer instead of the package.
- h) The system should be able to send notifications whenever the packages become available for delivery as well as if they are delayed.
- i) Each package will have a unique barcode that the system will be able to read.

Tools & Resources

https://erdplus.com/