Ch6: Data Normalization

- Normalization

The process of decomposing bad relations by breaking up their attributes into smaller relations (well structured relations)

Well-structured relations

A relation that contains minimal data redundancy and allows users to insert, delete, and update rows without causing data inconsistencies.

- La Goal is to avoid anomalies:
- Insertion Anomaly: adding new rows forces user to create duplicate data.
- Deletion Anomaly: deleting rows may cause a

loss of data that would be

needed for Fiture rows

Modification Anomaly: Changing data in a row forces
changes to other rows because
of duplication.





