

# Summary DB Design

(2h - 4h)

- Keys make things unique , Never change and Never null .
- Primary key represented parent and Uniquely identify each row in a table .
- Foreign key represented child .
- Lookup table should be Integrity , Unique , Improves functions , Less work and Allows for added complexity .
- Super key : Any number of column the forces all rows to be unique just for design data .
- Candidate key : At least number of columns unlimited column .
- Alternative key : Not been selected to be the primary key , but are candidate key .
- Surrogate , Natural keys are categories of primary key .

- Surrogate key : Is not derived from application data , unlike a natural key .
- Natural key : type of unique key in a DB formed of attributes that exist and are used in the external world outside the DB .