2/6/17

* Non-Prime Attributes
  + Attributes which is not part of any candidate key
* 2nd Normal Form
  + In 1st normal form
  + No non-prime attribute is dependent on a **part** of a candidate key
    - Every non-prime attribute is dependent on the whole key
* 2nd Normal Form Violation
  + Not in 1st Normal Form
  + A non-prime attribute is dependent on **part** of a candidate key
* 3rd Normal Form
  + In 2nf
  + There should be no functional dependencies x->a where x is not a superkey and a is non-prime
* 3rd normal form violation
  + Not in 2nf
* Boyce-Codd Normal Form
  + Revised version of 2NF + 3NF
  + Most stuff in 3NF is in Boyce-Codd and vice versa
  + In 1NF
  + For every non-trivial functional dependency a->b
* Boyce-Codd Normal Form Violation
  + Not in 1NF
  + There is a non-trivial functional dependency
* 4th Normal Form
  + In 3NF
  + No multi-valued dependency problems
    - These show up when you try to put two relationships together than shouldn’t be put together