find(pattern,file)

- Finds instances of a pattern in a file
  - **find("john",myFile)**
    - Finds all instances of <u>john</u> in the file
  - **find("john smith",myFile)**
    - Finds all instances of <u>john smith</u> in the file
  - **find(""john" smith",myFile)**
    - Finds all instances of <u>"john" smith</u> in the file

Identify choices, representative values, constraints

Parameter: pattern

- **Choice: Pattern length**
  - **0 (zerolen)**
  - **1+**
  - **Longer than file SINGLE**
- **Choice: How many times is pattern in the file**
  - **0**
  - **1**
  - **1+**
- **Choice: pattern contents**
  - **Properly formatted (if not zerolen)**
  - **Illegal characters ERROR**
  - **null ERROR**
  - **Improper quotes ERROR**

Parameter: file

- **Choice: Does file exist**
  - **Exists**
  - **Does not ERROR**
- **Choice: Is the file readable?**
  - **Yes**
  - **Lack permission ERROR**
  - **Non-text format ERROR**
- **Choice: Partial matches/case sensitivity**
  - **Only complete match(es)**
  - **Partial match(es) SINGLE**
  - **Case doesn't match exactly SINGLE**