List of functions that are needed for the data validator.

Nest functions where ever possible to avoid repeated code.

* bool isInteger(input)
  + Takes an input, return true if integer
* bool isNumber(input)
  + Takes an input, validates that it is an integer and that it is greater than zero.
  + Some redundancy here but lets code it anyway.
* bool isIntegerWithinRange(input, min, max)
  + Returns true if(isInteger(input), withinRange(input,min,max))
* bool isText(input)
  + Takes an input, returns true if string
* bool withinRange(input, min, max)
  + Takes an input, returns true if within min, max range (inclusive)
* bool isDate(input)
  + Takes an input, returns true if in yymmdd format
  + Regex would be ideal here. Just google javascript date regex.
* bool isDateTime(input)
  + Takes an input, returns true if datetime\_ymd. Not sure what this one is, I’ll confirm with Dr Gutman and code this one.
* bool isBoolean(input)
  + Returns true if input is either “true” or “false”
* bool isYesNo(input)
  + Returns true if input is either “yes” or “no”
* bool correctYesNo(input)
  + return true if yes and false if no.
* bool isNull(input)
  + Returns false if input is null/empty string/negative number/common missing value identifier [NA,999,” “]
* bool matchColumnName(input, columnName)
  + Returns true if input equals columnName

As far as I can tell some combination of these methods should be able to validate all values.

<http://www.w3schools.com/js/js_functions.asp> - Great resource to learn how to write javascript functions. Note that you don’t actually specify a return type, I have included them up top just for a better understanding of what each function requires.

<http://www.w3schools.com/jsref/jsref_obj_regexp.asp> - Regex tutorial

<http://cybernetnews.com/online-regular-expression-builder/> - Regex builder. Little complicated to use but once you get a hang of it this site will become your best friend when it comes to building regex.

Regex stands for regular expression.

Just reply all the mail calling dibs on functions you want to program.