VAIIDATIONS

JAVA BEAN

- @NotNull validates that the annotated property value is not null.
- @AssertTrue validates that the annotated property value is true.
- @Size validates that the annotated property value has a size between the attributes min and max, can be
 applied to String, Collection, Map, and array properties.
- @Min validates that the annotated property has a value no smaller than the value attribute.
- @Max validates that the annotated property has a value no larger than the value attribute.
- @Email validates that the annotated property is a valid email address.

Some annotations accept additional attributes, but the *message* attribute is common to all of them. This is the message that will usually be rendered when the value of the respective property fails validation.

And some additional annotations that can be found in the JSR:

- @NotEmpty validates that the property is not null or empty; can be applied to String, Collection, Map or Array values.
- @NotBlank can be applied only to text values and validates that the property is not null or whitespace.
- @Positive and @PositiveOrZero apply to numeric values and validate that they are strictly positive, or positive including o.
- @Negative and @NegativeOrZero apply to numeric values and validate that they are strictly negative, or negative including o.
- @Past and @PastOrPresent validate that a date value is in the past or the past including the present; can be
 applied to date types including those added in Java 8.
- @Future and @FutureOrPresent validate that a date value is in the future, or in the future including the present.

The validation annotations can also be applied to elements of a collection:

List<@NotBlank String> preferences;

In this case, any value added to the preferences list will be validated.

DECIMALMIN/DECIMALMAX

- Can be used for double/Double as well as BigDecimal
- value param will be a number expressed as String (in quotes)
- inclusive can be used to indicate if check should include the specified value

```
@DecimalMin(value = "0.1", inclusive = false)
protected Double minBalance;
@DecimalMax(value = "1000000", inclusive = false)
protected Double maxBalance;
```

EXAMPLES OF ANNOTATIONS WITH PARAMETERS

```
@NotNull(message = "sampleString must not be null")
@Size(min = 5, max = 999, message = "sampleString must have a length between 5 and 99") // can be used on collections as well
private String sampleString;
@Min(value = 10, message = "minInt must be at least 10")
@Max(value = 999, message = "maxInt must be no more than 999")
private int maxInt;
@DecimalMin(value = "1.5", message = "minDouble must be at least 1.5") // cam be used on BigDecimal as well
private double minDouble;
ODecimalMax(value = "999.99", message = "mixDouble must be no more than 999.99") // cam be used on BigDecimal as well
private double mixDouble;
@AssertTrue(message = "must be running")
private boolean isRunning;
@AssertFalse(message = "must not still be running")
private boolean stillRunning;
```