**5.1. Bean validation annotations**

|  |  |
| --- | --- |
| **ANNOTATION** | **DESCRIPTION** |
| @Digits(integer=, fraction=) | Checks whether the annotated value is a number having up to integer digits and fraction fractional digits. |
| @Email | Checks whether the specified character sequence is a valid email address. |
| @Max(value=) | Checks whether the annotated value is less than or equal to the specified maximum. |
| @Min(value=) | Checks whether the annotated value is higher than or equal to the specified minimum |
| @NotBlank | Checks that the annotated character sequence is not null and the trimmed length is greater than 0. |
| @NotEmpty | Checks whether the annotated element is not null nor empty. |
| @Null | Checks that the annotated value is null |
| @NotNull | Checks that the annotated value is not null |
| @Pattern(regex=, flags=) | Checks if the annotated string matches the regular expression regexconsidering the given flag match |
| @Size(min=, max=) | Checks if the annotated element’s size is between min and max (inclusive) |
| @Negative | Checks if the element is strictly negative. Zero values are considered invalid. |
| @NegativeOrZero | Checks if the element is negative or zero. |
| @Future | Checks whether the annotated date is in the future. |
| @FutureOrPresent | Checks whether the annotated date is in the present or in the future. |
| @PastOrPresent | Checks whether the annotated date is in the past or in the present. |