Question 2: MongoDB JSON Schema/neo4j Updating

IT-NSQ1Y-S22

Jordi Lazo

Explain the elements of the JSON Schema in MongoDB and demonstrate how it is used

JSON Schema

- JSON Schema is a content specification language used for validating the structure of a JSON data. It helps to specify the objects and what values are valid inside the object's properties.

Elements of JSON Schema

Sr.No.	Keyword & Description
1	**$schema** The $schema keyword states that this schema is written according to the draft v4 specification.
2	**title** You will use this to give a title to your schema.
3	**description** A little description of the schema.
4	**type** The type keyword defines the first constraint on our JSON data: it has to be a JSON Object.
5	**properties** Defines various keys and their value types, minimum and maximum values to be used in JSON file.
6	**required** This keeps a list of required properties.
7	**minimum** This is the constraint to be put on the value and represents minimum acceptable value.
8	**exclusiveMinimum** If "exclusiveMinimum" is present and has boolean value true, the instance is valid if it is strictly greater than the value of "minimum".
9	**maximum** This is the constraint to be put on the value and represents maximum acceptable value.
10	**exclusiveMaximum** If "exclusiveMaximum" is present and has boolean value true, the instance is valid if it is strictly lower than the value of "maximum".
11	**multipleOf** A numeric instance is valid against "multipleOf" if the result of the division of the instance by this keyword's value is an integer.
12	**maxLength** The length of a string instance is defined as the maximum number of its characters.
13	**minLength** The length of a string instance is defined as the minimum number of its characters.
14	**pattern** A string instance is considered valid if the regular expression matches the instance successfully.

How to use JSON Schema

- JSON Schema Validator - Newtonsoft

Present your hand-in to course assignment 3 with a focus on updating the data