**JSON Schema Validator**

**Documentation**

**Github Link :** [Techathon-Gep/Json-Server (github.com)](https://github.com/Techathon-Gep/Json-Server)

**Folder Structure :**

**Data Files :** Contains Example Schema Data

**JSONSchema :** Contains newschema.py (Data Extraction Logic file) , Ignore other Files

**Schema :** Contains example Schema

Templates : Contains Ui pages

jsonschemaValidator.py : Data validation Logic File

**Flow of Code :**

Maintained two Dictionaries , one for Mandatory Node ie . Mandatory{}, Other for Constraints ie . sp\_req{}.

**Newschema.py:**

Here we are extracting required and other constraints from JSON schema , the format of Schema is taken from official website json-schema.org

We made 2 Functions:

Schemacheck ()

Here we are extracting mandatory or required Fields of each node and adding in mandatory dictionary.

Reqcheck()

Here we are extracting constraints specified for each node and adding in sp\_req dictionary.

Constraints satisfied:

Type of Node , Enum

Array : MaxItems, MinItems

Number/Integer : maximum, minimum

String : maxSize,minSize

**JsonSchemaValidator.py**

Here we are using both the Dictionaries ie . **mandatory** and sp\_**req** to validate the Constraints in sp\_req and mandatory fields against each node.

Also generating error upto child level and appending in error list.