INSTRUCTIONS TO USE JSON FHIR SCHEMAS IN VISUAL STUDIO CODE

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References:

How to Enable Json Schemas in VS Code:
https://code.visualstudio.com/docs/languages/json#_mapping-in-the-json
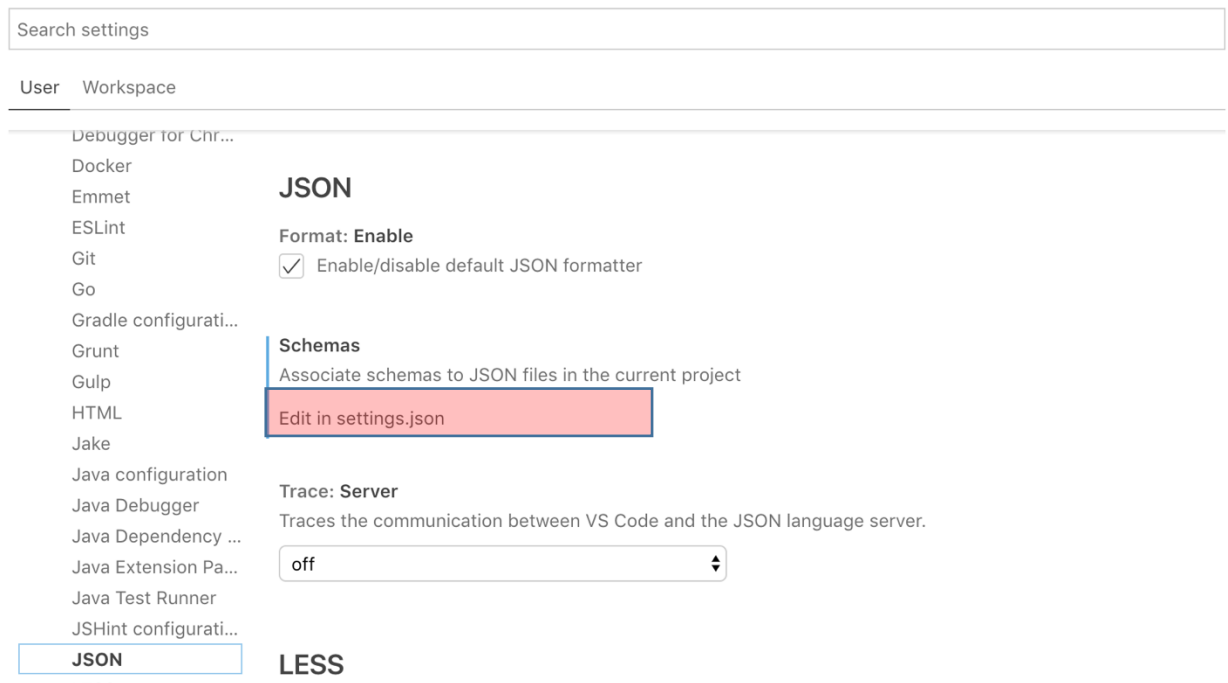
Download FHIR JSon Schemas:
https://www.hl7.org/fhir/fhir.schema.json.zip

Download Visual Studio Code:
https://code.visualstudio.com/download

Steps

1) Download and Install Visual Studio Code
2) Create a folder in your computer, like 'myproject'
3) Download or copy the FHIR json schemas file (fhir.schema.json) to your new folder
4) in VSCode : Preferences/Settings/User/Extensions/JSON, click on 'Edit in settings.json'

5) Add this entry to settings.json, and then save it

```
"json.schemas": [
  {
      "fileMatch": [
          "/*.fhir.json"
      ],
      "url": "./fhir.schema.json"
  }
  ]
```

This means that for all files named *.fhir.json, the editor will apply the FHIR schema

6) To test it, create a new file in vs code, example 'mypatient.fhir.json'

VS Code will detect that this is a 'fhir' json file, and will enable
a) Intellisense for the elements
b) Data Type Validation
c) If the element can repeat, VS will open the [] for you!

See the snapshots for more detail:

```json
{

    "resourceType": "Patient",
    "active": true,
    "birthDate": "2010-02-10",
    "telecom": [
        {"system": }
    ]                    "email"                        ⓘ
                         "fax"
}                        "other"
                         "pager"
                         "phone"
                         "sms"
                         "url"
```

{} mypatient.fhir.json > ...

```json
1   1   {
    2
    3       "resourceType": "Patient",
1   4       "active":
    5                   false
    6   }               true
```

```json
{

    "resourceType": "Patient",
    "active": true,
    "birthDate": "something wrong",

}
```

EXPLORER

OPEN EDITORS   1 UNSAVED
● {} mypatient.fhir.json   2
FHIR_SCHEMA
{} fhir.schema.json
{} mypatient.fhir.json   2

{} mypatient.fhir.json ●

{} mypatient.fhir.json

```json
1  {
2
3      "resourceType":
4
5  }
```

"Account"	ⓘ
"ActivityDefinition"	
"AdverseEvent"	
"AllergyIntolerance"	
"Appointment"	
"AppointmentResponse"	
"AuditEvent"	
"Basic"	
"Binary"	
"BiologicallyDerivedProduct"	
"BodyStructure"	
"Bundle"	