

Exercise 1:

json-schema for leboncoin :

```
{
  "title": "CAR",
  "type": "object",
  "properties": {
    "Price": {
      "description": "Price",
      "type": "Number",
      "minimum": 0
    },
    "Brand": {
      "type": "String"
      //enum{133 nodes which are already listed in marque select of
LaCentrale site }
    "Model": {
      "description": "Modèle",
      "type": "String"
    }
  },
  "Year": {
    "description": "Année",
    "type": "Number",
    "minimum": 1980
  }
  "Kilometere": {
    "description": "Kilométrage",
    "type": "number",
    "minimum": 0
  }
  "Fuel": {
    "description": "Carburant",
    "type": "String"
    //enum{Diesel, Essence}
  }
  "Gearbox": {
    "description": "Boîte de vitesse",
    "type": "String",
    //enum{Manuelle,Automatique}
  }
  "Description": {
    "description": "Description",
    "type": "String",
  }
},
  "required": ["Price",
"Brand", "Model", "Year", "Kilometre", "Fuel", "Gearbox"]
}
```

Exercise 2:

json-schema for Code Argus :

```
{
  "title": "CAR",
  "type": "object",
  "properties": {
    "Brand": {
      "type": "String"
      //enum{133 nodes which are already listed in marque select of
LaCentrale site }
      "Model": {
        "description": "Modèle",
        "type": "String"
      }
    },
    "Year": {
      "description": "Année",
      "type": "Number",
      "minimum": 1980
    }
    "Kilometere": {
      "description": "Kilométrage",
      "type": "number",
      "minimum": 0
    }
    "Fuel": {
      "description": "Carburant",
      "type": "String"
      //enum{Diesel, Essence}
    }
    "Gearbox": {
      "description": "Boîte de vitesse",
      "type": "String",
      //enum{Manuelle,Automatique}
    }
    "Finishing": {
      "description": "Finition",
      "type": "String",
    }
    "Number of doors": {
      "description": "Nbr de porte",
      "type": "String",
    }
    "Power": {
      "description": "Puissance",
      "type": "String",
    }
  },
  "required": ["Brand","Model","Year","finishing"]
}
```

Exercise 3:

And the workflow will be like this:

1. We get the link(url) which is from leboncoin website.
2. Exporting data from le bonbon : We start the server part which is :

1. Get the details on leboncoin site, which are accessible by using `Document.querySelector().nameOfClass()`.

For example for the Price, we can find it out on the html file with the class which is named: 'price'.

All the other information are put in a table('lbcParams criterias' class) and we can export its data from the number of the row. First row is (at the second cell) there is Model value etc...

Prix : 34 000 €

Ville : Les Loges-en-Josas

Code postal : 78350

Marque : Bmw

Modèle : Serie 4

Année-modèle : 2015

Kilométrage : 22 000 KM

Carburant : Diesel

Boîte de vitesse : Manuelle

Description :

particulier vend BMW Serie 4 gran coupé 330 xdrive luxury
1ère main
28 février 2015
22000 km
peinture BMW individual frozen grey. gris satinée (prix BMW 3.500 euros)
cuir oyster blanc cassé
boîte automatique sport
jante 18
Rétroviseur intérieur anti-éblouissement
Tableau de bord avec Technologie "Black Panel"
pack advanced xenon incluant feu de route automatiques et directionnels
pack connected drive incluant navigation professionnel, conciergerie, deezer, etc
pack advanced safety incluant avertisseur d'angle mort, régulateur de vitesse actif, protection active des occupants, avertisseur de

```
<table itemType="http://schema.org/Place" itemscope="" itemprop="availableAtOrFrom"></table>
</div>
<div class="floatRight x06_x07Div"></div>
</div>
<div class="lbcParams criterias">
<table>
<tbody>
<tr>
<th>Marque :</th>
<td itemprop="brand">Bmw</td>
</tr>
<tr>
<th>Modèle :</th>
<td itemprop="model">Serie 4</td>
</tr>
<tr>
<th>Année-modèle :</th>
<td itemprop="releaseDate">2015</td>
</tr>
<tr></tr>
<tr></tr>
<tr></tr>
```

3. We create the JSON file. And we have to add Finishing characters to it.

4. We have to do a research on the LaCentral site and find the specific car with the same or close to our element on Leboncoin.
5. By the result on LaCentral site, we determine the Code Argus.
6. Then on our site we put a message to say that price is normal or not.