

Milestone 2: Data Acquisition

1. Pillar Wood/Steel
2. Television
3. Photo Frame
4. Lamp and Lighting
5. Fireplace
6. Flooring
7. Sofa
8. Table
9. Installation Service
10. Window

```
# !pip install google-api-python-client

import requests
from PIL import Image
import os

api_key = "xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx"
from apiclient.discovery import build
resource = build("customsearch", 'v1', developerKey=api_key).cse()
items = []

search_string = "basement wire"
cx = "xxxxxxxxxxx" #Custom Search Engine ID

for rng in range(1,100,10):
    print(rng, end=' ')
    result = resource.list(q=search_string, cx='c027b0cbdfed84f0b', searchType =
'image',start=rng).execute()
    for item in result['items']:
        items.append([item['title'], item['link']])

# Saving Images into folder
dir_name = './wire_data/'
if dir_name not in os.listdir():
    os.makedirs('dir_name')

i=0
for item in items:
    img_url = item[1]
    response = requests.get(img_url)
```

```
if response.status_code:
    fp = open('./wire/'+str(i)+'.png', 'wb')
    fp.write(response.content)
    fp.close()
print(i,item[1])
i+=1
```