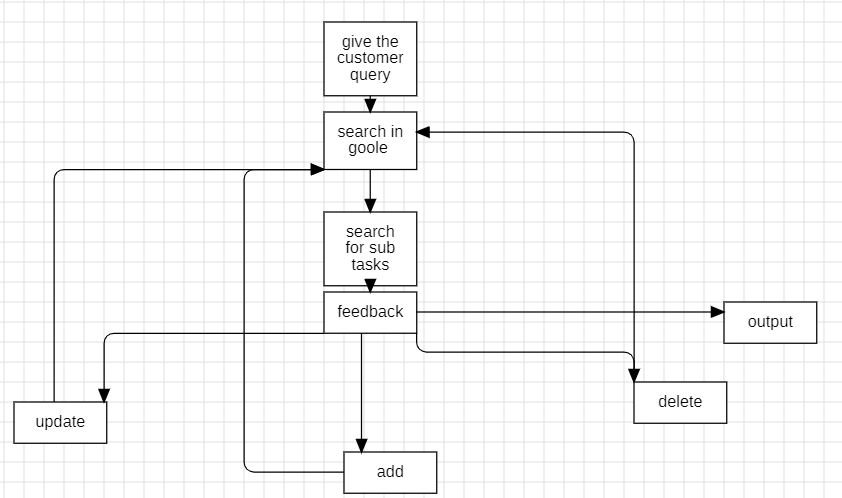
AI- Intern

Design:



Code:

import requests  
from textblob import TextBlob  
def google\_search(main\_query, apikey, cx):  
 url = "https://www.googleapis.com/customsearch/v1"  
 params = {  
 "q": main\_query,  
 "key": apikey,  
 "cx": cx,  
 "num": 10 # Number of results to return  
 }  
 response = requests.get(url, params=params)  
 return response.json()  
  
def extract\_subtasks(search\_results):  
 subtasks = set() # To avoid duplicates  
 print('subtasks: ',subtasks)  
 for item in search\_results.get('items', []):  
 # Extract words/phrases from titles and snippets that can be subtasks  
 title = item.get('title', '').lower()  
 snippet = item.get('snippet', '').lower()  
 subtasks.update(title.split())  
 subtasks.update(snippet.split())  
  
 # Filter out common words and keep relevant terms (simple filtering)  
 common\_words = {"the", "and", "for", "with", "how", "to", "a", "on", "in"}  
 refined\_subtasks = {word for word in subtasks if word not in common\_words and len(word) > 5}  
  
 return refined\_subtasks  
  
  
def refine\_tasks(tasks, feedback):  
 # Use feedback to adjust the sub-tasks (adding, deleting, or modifying tasks)  
 if "unclear" in feedback.lower():  
 # Modify sub-task if feedback indicates confusion  
 task=TextBlob(tasks)  
 tasks.append(task)  
 if "add" in feedback.lower():  
 new\_task=input()  
 tasks.append(new\_task)  
 if "delete" in feedback.lower():  
 tasks.pop() # Remove the last task as an example of refinement  
 return tasks  
  
def outletdatalink(potential\_subtasks):  
 print("Potential Subtasks Identified from Google Search Results:")  
 sublist=[]  
 for subtask in potential\_subtasks:  
 sublist.append(subtask)  
 basicurl = "https://www.googleapis.com/customsearch/v1"  
 for query in sublist:  
 url = f'{basicurl}?key={apikey}&cx={cx}&q={query}'  
 # print(url)  
 response = requests.get(url)  
 data=response.json()  
 sublist.clear()  
 for item in data['items']:  
 print(item['title'])  
 print(item['link'])  
 print(item['snippet'])  
 print('--------------------------')  
 return data  
  
main\_query = input()  
apikey = 'AIzaSyAvBGkeUpkC8IA16weVOHQM-Fubo5P8f7M'  
cx = '90036e51847a44a38'  
# Perform the main Google search  
search\_results = google\_search(main\_query, apikey, cx)  
  
print("this is search results: ",search\_results)  
  
# Extract potential subtasks from the search results  
potential\_subtasks = extract\_subtasks(search\_results)  
  
data=outletdatalink(potential\_subtasks)  
print('this is data: ',data)  
  
feedback='information is not clear'  
for item in data['items']:  
 print(item['title'])  
 refined\_tasks = refine\_tasks(item['title'], feedback)  
 search\_results = google\_search(refined\_tasks, apikey, cx)  
 potential\_subtasks = extract\_subtasks(search\_results)  
 print(outletdatalink(potential\_subtasks))