

Whoosh

Ozbiljna sprdnja, rad sa fajlovima

Svaki fajl ima ovakvu strukturu:

```
{  
  "title": "....",  
  "filename": "....",  
  "file_size": 1234,  
  "content": "....."  
}
```

I sad radimo upite nad tim i npr trazimo fajlove koji imaju size veci od 100, fajlove cije se ime zavrшава na .py ili koji u naslovu sadrže neku reč itd

Može biti npr da tražimo nešto bukvalno, da tražimo da ima neke dve reči (AND), da ima barem jednu od te dve reči (OR) ili da nema neku reč (NOT)

```
searcher.search("title:algoritam", "Zadatak 1")  
searcher.search("file_size:[2000 TO *]", "Zadatak 5")  
searcher.search("filename:*.py", "Zadatak 3")  
searcher.search("python NOT java", "Zadatak 2")  
searcher.search("test AND file_size:[* TO 1000]", "Zadatak 9")  
searcher.search("important^3 algorithm", "Zadatak 10")
```

Kafka (Flask)

create_queue

```
import requests
import json

def create(queue_name):
    req = {
        "ime" = queue_name
    }
    requests.post(
        "http://localhost:9000/create",
        data = json.dumps(req))

if __name__ == "__main__":
    create("queries")
    create("validated_queries")
    create("query_results")
```

App

```
app = Flask(__name__)
port = 8001
```

subscribe (koliko sam skontao svaka "ruta" mora da ga ima)

```
def subscribe(queue_name, queue_group, consumer_name):
    req = {
        "ime":queue_name,
        "grupa":queue_group,
        "consumer":consumer_name,
        "port": port
    }

    requests.post(
        "http://localhost:9000/subscribe",
        data = json.dumps(req))
```

send (koliko sam skontao svaka "ruta" mora da ga ima)

```
def send(queue_name, message):  
    req = {  
        "ime":queue_name,  
        "poruka":message  
    }  
    requests.post(  
        "http://localhost:9000/send",  
        data = json.dumps(req))
```

Ruta

```
@app.route("/imerute", methods["post"])  
def imerute():  
    message = json.loads(request.data)  
    ...logika...  
    return "", 200
```

main

```
if __name__ == "__main__":  
    subscribe("imeniza", "imegrupe", "imerute")  
    app.run(host="localhost", port=port, debug=True)
```