views.py

View / Controller of the project

Index View

Renderes the homepage with GET Request with **qsapp/home.html**

```python
from django.shortcuts import render
from qsapp.models import Answers, Questions
from haystack.query import SearchQuerySet, AutoQuery
from django.db.models import Q
```

```python
def index(request):
    return render(request, "qsapp/home.html", context={})
```

Answer View

Take sthe POST request from the HomePage/Index

co_if = False signifies if anything found with Haystack

Searches from the database With Haystack API Which Connects with Whoosh Engine

if len(context_data) == 0: means nothing found in Haystack Search (unknown words)

Set **co_if = True** means Haystack Search failed Do normal icontains /SQL LIKE search with case insensitive

Split the words and search ad try match each word

First Word

ALl words with **OR** condition

Empty context if **GET** REquest

```python
def correct_answer(request):

    if request.method == "POST":

        co_if = False

        context_data = SearchQuerySet().autocomplete(content_auto=request.POST.get("question", ""))

        if len(context_data) == 0:

            co_if = True

            search = request.POST.get("question", "")

            search = search.split()

            db_query = Q(question__icontains=search[0])

            for term in search[1:]:
                db_query = db_query | Q(question__icontains=term)

            context_data = Questions.objects.filter(db_query)
```

Render different templates based

if **ONE** data found **len(context_data) == 1**

If **NO** data found **len(context_data) == 0**

If **Multiple** data found **len(context_data) > 1**

```python
    else:

        context_data = {}


    if len(context_data) == 1:
        return render(request, "qsapp/answer.html", context={"questions": context_data, "is_empty": False, "co_if": co_if})



    elif  len(context_data) == 0:
        return render(request, "qsapp/answer.html", context={"questions": context_data, "is_empty": True, "co_if": co_if})



    elif len(context_data) > 1:
        return render(request, "qsapp/list_view.html", context={"questions": context_data, "co_if": co_if})
```