

2024.05.08

## 손실함수

Relu - 이미지 함수

sigmoid 함수 =  $(\text{sigmoid})' = (1 - \text{sigmoid})$

tanh - 자연어

## 텐서플로우 있는 곳에 파일 옮기기

```
venvjotaesik@Playdata:~/workspace$ cd dog_model_service/  
venvjotaesik@Playdata:~/.../dog_model_service$ ls
```

가상환경 만들기

```
venvjotaesik@Playdata:~/.../dog_model_service$ sudo apt install python3.10-venv  
venvjotaesik@Playdata:~/.../dog_model_service$ python -m venv venv  
venvjotaesik@Playdata:~/.../dog_model_service$ source ./venv/bin/activate  
(venv) venvjotaesik@Playdata:~/.../dog_model_service$
```

requirements 파일 고치기

```
Pillow(venv) venvjotaesik@Playdata:~/.../dog_model_service$ cd ~  
(venv) venvjotaesik@Playdata:~$ sudo apt install libgl1-mesa-glx  
[sudo] password for jotaesik:
```

```
db.sqlite3:Zone.Identifier master.pkl requirements.txt:Zone.Identifier  
(venv) venvjotaesik@Playdata:~/.../dog_model_service$ pip install -r requirements.txt  
Collecting absl-py==2.1.0
```

```
(venv) venvjotaesik@Playdata:~/.../dog_model_service$ python manage.py runserver 0.0.0.0:8000
```

## 파일이 dogmodel 안에 모델서비스\_테스트 실행

## 구글 extension 탈렌드

ssh ubuntu@ip

cd ~/.ssh

ls

id\_rsa id\_rsa.pub

cat id\_rsa.pub

```
git clone ssh://ubuntu@ip:/home/ubuntu/workspace/repos2
```

```
ssh-keygen -t rsa
```

## 장고

```
deactivate
```

```
source ./venv/bin/activate
```

```
workspace > django > pybo > templates > encore > <> question_list.html > ...
1  {% if question_list %}
2      <ul>
3          {% for question in question_list %}
4              <li><a href="{%url 'encore:detail' question.id %}">{{question.subject}}</a></li>
5          {% endfor %}
6      </ul>
7  {% else %}
8      <p>없음</p>
9  {% endif %}
```

```
workspace > django > pybo > encore > 🐘 urls.py > ...
1  from django.urls import path
2  from . import views
3
4  app_name="encore"
5
6  urlpatterns = [
7      path('', views.index),
8      path('<int:question_id>/',views.detail,name="detail"),
9  ]
```

저 encore아가 app\_name encroe다

뷰에 detail이 없으니 만들러간다.

```
workspace > django > pybo > encore > views.py > detail
1  from django.shortcuts import render, get_object_or_404
2
3  from django.http import HttpResponseRedirect
4  from .models import Question
5  # Create your views here.
6  def index(request):
7      question_object = Question.objects.order_by('-create_date')
8      print("~~~~~")
9      return render(request, 'encore/question_list.html', {'question_list' : question_object})
10
11 def detail(request, question_id):
12     q = get_object_or_404(Question,pk=question_id)
13     # question 모델에서 전달받은 인자가 없으면 404 리턴
14     return render(request, 'encore/question_detail.html', {'question' : q})
15     # 렌더링은 템플릿
16
17
```

```
workspace > django > pybo > templates > encore > question_detail.html > div
1  <h1> {{question.subject}}</h1>
2
3  <div>
4      {{question.content}}
5  </div>
6
```

## question\_Detail.html 만들어서 적기

```
jotaesik@Playdata:~/.../encore$ cp question_list.html /home/jotaesik/workspace/django/pybo/templates/encore
```

## 답변달기 home\_tag

해당테이블의 왜래키로 연결되어있는 값을 알려줘

```
workspace > django > pybo > templates > encore > question_detail.html > div > ul
1  <h1> {{question.subject}}</h1>
2
3  <div>
4      {{question.content}}
5
6  </div>
7
8  <h5> {{question.answer_set.count }}개의 답변이 등록</h5>
9
10 <div>
11     <ul>
12         {% for answer in question.answer_set.all %}
13         <li> {{answer.content}}</li>
14         {% endfor %}
15
16     </ul>
17 </div>
```

왜래키에 등록된 것을 문장을 다 보여줘.

## 게시판 form테크 클릭하면 서버로 간다.

주소가 필요하다. app\_name=encore했기에 가

csrf 토큰을 만들어주면서, GS\_STORE할때 토큰값을 요청했는데

```
workspace > django > pybo > templates > encore > question_detail.html > form > input
10 <div>
11     <ul>
16 </ul>
17 </div>
18
19 <form action="{% url 'encore:answer_create' question.id %}" method="post">
20     {% csrf_token %}
21     <textarea name="content" id="content" rows="15"></textarea>
22     <input type="submit" value="답변등록">
23 </form>
```

```
workspace > django > pybo > encore > urls.py > ...
1  from django.urls import path
2  from . import views
3
4  app_name="encore"
5
6  urlpatterns = [
7      path('', views.index),
8      path('<int:question_id>/',views.detail,name="detail"),
9      path('answer/create/<int:question_id>',views.answer_create, name="answer_create")
10 ]
```

```
workspace > django > pybo > encore > views.py > ...
9      return render(request, 'encore/question_list.html', {'question_list' : question_object})
10
11 def detail(request, question_id):
12     q = get_object_or_404(Question,pk=question_id)
13     # question 모델에서 전달받은 인자가 없으면 404 리턴
14     return render(request, 'encore/question_detail.html', {'question' : q} )
15     # 렌더링은 템플릿
16
17 def answer_create(request, question_id):
18     q = get_object_or_404(Question,pk=question_id)
19     q.answer_set.create(content=request.POST.get('content'), create_date=timezone.now())
20     return redirect('encore:detail',question_id=q)
```

```
workspace > django > pybo > encore > views.py > ...
1  from django.shortcuts import render, get_object_or_404,redirect
2
3  from django.http import HttpResponse
4  from .models import Question
5
6  from django.utils import timezone
```

redirect와 다시 요청하기위해서 timezone 호출


## settings.py의 STATIC\_URL = 'static/'

웹서버가 정적이라서 좋아한다.

```
STATICFILES_DIRS= [
    BASE_DIR / 'static' ,
]
```

```
workspace > django > pybo > static > # style.css
```

부트스트랩이라는 프레임워크를 이용한다.

```
workspace > django > pybo > static > # style.css >  input[type=suvmit]
1  textarea{
2    |    width:100%
3  }
4
5  input[type=suvmit]{
6    |    margin-top: 10px;
7  }
```