

BÀI 8: Django CKEditor



Mục tiêu chính:

- Vận dụng Django CKEditor thiết kế các model WYSIWYG
- Đọc và hiển thị thông tin lên template

8.1. Tạo RichTextUploadingField

✓ **Yêu cầu:** Thêm RichTextUploadingField field cho Story trong models.py

✓ **Hướng dẫn**

- Tiếp tục sử dụng project MyNews ở bài 7.
- Khai báo ckeditor và ckeditor_uploader trong settings.py của project

```
INSTALLED_APPS = [  
    'django.contrib.admin',  
    'django.contrib.auth',  
    'django.contrib.contenttypes',  
    'django.contrib.sessions',  
    'django.contrib.messages',  
    'django.contrib.staticfiles',  
    'stories.apps.StoriesConfig',  
    'ckeditor',  
    'ckeditor_uploader',  
]
```

- Khai báo STATIC_ROOT (nếu trước đó chưa khai báo) trong settings.py

```
STATIC_ROOT = os.path.join(BASE_DIR, 'static/')
```

- Khai báo các biến cho CKEditor trong settings.py

```
CKEDITOR_BASEPATH = '/static/ckeditor/ckeditor/'  
CKEDITOR_UPLOAD_PATH = 'uploads/'  
CKEDITOR_IMAGE_BACKEND = 'pillow'
```

- Chạy **python manage.py collectstatic** để copy static CKEditor được yêu cầu vào thư mục được cung cấp bởi STATIC_ROOT
- Khai báo url của ckeditor trong urls.py của project:

```

from django.contrib import admin
from django.urls import path, include, re_path
from django.conf.urls.static import static
from django.conf import settings

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', include('stories.urls')),
    re_path(r'^ckeditor/', include('ckeditor_uploader.urls')),
] + static(settings.MEDIA_URL,
           document_root=settings.MEDIA_ROOT)

```

- Cập nhật field content thành kiểu **RichTextUploadingField** cho model Story trong models.py
- Thực hiện migrate dữ liệu: python manage.py makemigrations stories và python manage.py migrate
- Runserver > đăng nhập vào giao diện Admin
- Cập nhật nội dung cho các story đã có.

8.2. Hiển thị dữ liệu lên trang story.html

- ✓ **Yêu cầu:** Hiển thị dữ liệu lên trang story.html như sau:
 - Tùy theo người dùng click vào link Story nào sẽ dẫn đến trang story.html và hiển thị nội dung đó.
 - Nếu click trực tiếp vào "Story" trên menu thì hiển thị một Story có pk do coder đặt sẵn (ví dụ: pk=11)
 - Nếu click vào link của story bất kỳ trong trang index.html hoặc category.html thì hiển thị nội dung story trong story.html
 - Trong story.html, hiển thị danh sách các story cùng category được chọn từ mới đến cũ ở phần slider phía dưới.

The Story of Yes and No

Daniel Enrico

Before words were words, a boy named Yes lived in a small village in a small kingdom. Yes was good at everything. He was the best, smartest and most liked person in his village. Yes had a brother, and his name was No. No was jealous of his brother, because he was not much good at anything himself. Whenever the villagers asked No for help, he refused because he didn't like people very much. Whenever someone asked Yes for a favor, he would gladly help, and he secretly didn't mind the fact that it irritated No when he did.



One day Yes and No's father, Okay went on a long journey and he left his two sons in charge of all the animals. Yes took good care of the great guck, and the icks, and the three-toed yock. [Keep in mind, my dear friend, that the guck, ick, and three-toed yock were very old animals, so you might know them by different names today.] No didn't want to be bothered with the boring tasks involved with taking care of the animals. So instead of helping his brother, No went down to the lake and threw rocks into the water.



A few days after his father left, Yes asked his brother to watch the three-toed yock while he went to find some food to eat. Instead of doing what Yes asked, No lay down, shut his eyes, and forgot about the yock.



Just so happened that the King had a personal road nearby, and he traveled on it often. So often, that when the three-toed yock wandered onto the road, the King's carriage was passing by and had to swerve to avoid hitting it. The King was thrown from the carriage and fell to the ground and hurt himself.

The King demanded to know why a three-toed yock had been allowed on his road and asked all the villagers for an explanation. Yes was always honest, so he told the King the entire story.

The King thought for a moment, and then he came up with an idea that he was quite happy with. Yes and No were to work in the castle as his personal assistants as punishment for what was later referred to as the worst three-toed yock and carriage accident in the Kingdom's history.



The King needed help with many things around the castle because a King cannot be bothered with the daily tasks involved with running a Kingdom. However, soon after his decision about the two brothers, the King realized that only Yes would be of any use to him as a servant. Whenever the King asked No to bring him anything, it would get thrown away, broken, or eaten, without exception. The King was quite sure that No was the worst servant in the entire world.



The brothers' most important task was to help pick the food for a grand party that the King was throwing later that night. Cooks from all over the Kingdom lined up at the castle's gate to offer the King their food for the party. Of course, the King could not go and grab the food himself, so he asked Yes and No to do it for him.

The first cook came up the gate and yelled to the Gatekeeper, "I bring my delicious ugberry pie for the King's banquet!" The King heard this and thought that ugberry pie would be perfect for such an event (and he would love to eat the leftovers). He didn't want anything to happen to the ugberry pie, so he yelled "Yes!" and then asked him to go fetch it.



The next cook stepped up to the gate. "I offer the King grukie soup!" he said. The King didn't like grukie soup very much and he knew just how to get rid of it. "No!" he yelled and then sent No out to retrieve the soup. No dropped the soup before the King could even smell it.



This went on for hours. If the king liked a dish, he would yell "Yes!" and it would be included in the night's feast. If he did not, everyone would hear a loud "NO!" and the dish would be destroyed moments later by a servant with a very bad attitude. Pretty soon this started catching on around the Kingdom, for if a King does something, his loyal subjects are never far behind. If they didn't want a second scoop of potatoes, they would say "No." And if they liked what someone was offering, they would say, "Yes." And ever since that day in a small village in a small kingdom, Yes has meant Yes, and No has meant No.



This small kingdom also happens to be the birthplace of Yes and No's cousins, Please and Thanks, but that is another story for another time...

New Stories



It Could Happen...
Of Feb. 3, 2021



Gemma
Of Feb. 2, 2021



The Halloween House
Of Feb. 2, 2021

About

This website is designed specifically for children who love reading and learning good things from the books. Website references data from a number of sites like:

<https://www.freechildrenstories.com/>,
<http://www.magickkeys.com/books/>

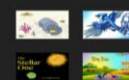
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- > Young Children
- > Older Children

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✓ Hướng dẫn

- Tiếp tục sử dụng project MyNews ở bài tập trên
- Trong stories > views.py > cập nhật function story(): đọc dữ liệu từ table story theo story được chọn (pk) và gửi ra template story.html

```
def story(request, pk):
    story_select = models.Story.objects.get(pk = pk)
    stories = models.Story.objects.filter(category=story_select.category).order_by("-public_day")
    newest = models.Story.objects.order_by("-public_day")[0:4]
    return render(request, "stories/story.html",
                  {'today': now,
                   'story': story_select,
                   'stories': stories,
                   'newest': newest
                  })
```

- Cập nhật lại url của story trong stories/urls.py

```
stories > urls.py > ...
1  from django.urls import path
2  from . import views
3  app_name = 'stories'
4  urlpatterns = [
5      path('', views.index, name='index'),
6      path('category.html/<int:pk>', views.category, name='category.html'),
7      path('story.html/<int:pk>', views.story, name='story.html'),
8      path('contact.html', views.contact, name='contact.html'),
9  ]
```

- Trong tất cả các trang cần cập nhật lại đường dẫn đến trang story.html có **pk**. Ví dụ:

```
href="{% url 'stories:story.html' newest.pk %}"
```

- Trong template story.html: đọc và hiển thị các nội dung.

- Đầu trang bổ sung:

```
<script type="text/javascript" src='{% static "ckeditor/ckeditor-init.js" %}'></script>
<script type="text/javascript" src='{% static "ckeditor/ckeditor/ckeditor.js" %}'></script>
```

- Hiển thị sách story được chọn:

```

<div id="fh5co-single-content" class="container-fluid pb-4 pt-4 padding">
  <div class="container padding">
    <div class="row mx-0">
      <div class="col-md-12 animate-box" data-animate-effect="fadeInLeft">
        <h2>{{story.name}}</h2>
        <span>{{story.author}}</span>
      </div>
    </div>
  </div>
</div>

<div id="fh5co-single-content" class="container-fluid pb-4 pt-4 padding">
  <div class="container padding">
    <div class="row mx-0">
      <div class="col-md-12 animate-box" data-animate-effect="fadeInLeft">
        {{story.content|safe}}
      </div>
    </div>
  </div>
</div>

```

- Chạy thử và xem kết quả