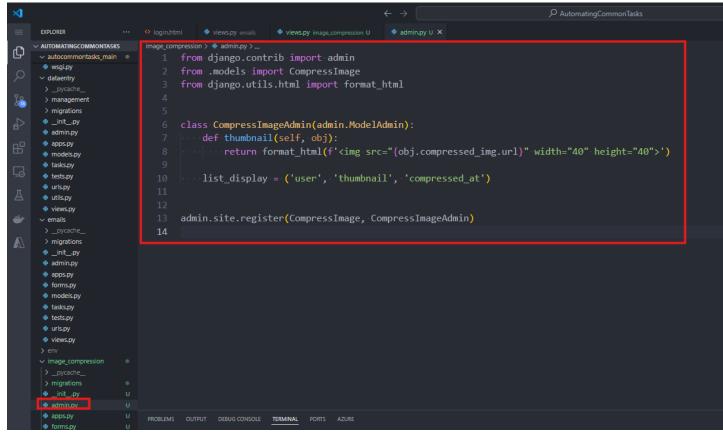
Topic: Image Compression 26: Thumbnail, Size, Automatic Download

Speaker: Udemy Instructor Rathan Kumar | Notebook: Django: Automating Common Tasks



1. We need some thumbnails for our images on the admin dashboard. So, update the ADMIN.PY as:



2. Reload your admin panel:

Django admini	stration			
itart typing to filter		The compress image "commontask_admin" was deleted successfully.		
AUTHENTICATION AND A	JTHORIZATION			
Groups	+ Add	Select compress image to change		
Users	+ Add	Action:		
DATAENTRY		USER	THUMBNAIL	COMPRESSED AT
Customers Employees	+ Add + Add	Commontask_admin		Aug. 30, 2024, 9:48 p.m.
Students	+ Add	commontask_admin	alan).	Aug. 30, 2024, 9:43 p.m.
EMAILS		commontask_admin		Aug. 30, 2024, 9:41 p.m.
Email trackings	+ Add	3 compress images		
Emails	+ Add			
Lists	+ Add			
Sents Subscribers	+ Add + Add			
IMAGE_COMPRESSION				
Compress images	+ Add			
UPLOADS				
Uploads	+ Add			

3. To display the original and compressed sizes of the image, in the ADMIN.PY, we update:

∢		\leftrightarrow \rightarrow \mathcal{P} AutomatingCommonTasks
≡	EXPLORER ····	♦ login.html ♦ views.py emails ♦ views.py image_compression U ♦ admin.py U X ♦ forms.py U ♦ models.py U
	EXPLORER ···· V AUTOMATINGCO[* () () () ··· V dataently V emails) _pycache_) migrations • _initpy • admin.py • admin.py • admin.py • forms.py • models.py • tasks.py • tasks.py • urs.py	<pre> login.html</pre>
	 visusy entersy env image_compression pycache migrations initpy admin.py a	<pre>11 * * * def org_img_size(self, obj): 12 * * * * * * * * * * * * * * * * * * *</pre>
	 templates dataentry emails send-email.html track_dashboard.html track_stats.html image_compression compress.html alerts.html base.html M 	<pre>24 25 26 26 27 27 28 29 admin.site.register(CompressImage, CompressImageAdmin) 30 </pre>

4. To allow the user to download automatically the compressed image, we update our VIEWS.PY

∢					$\leftarrow \rightarrow$		♀ AutomatingCommonTasks
=	EXPLORER		ntml 🔮 views.py emails	🔹 views.py image_compression U 🗙 🔮 add	nin.py U 🔷 forms.py U	💠 models.py U	
an a	v Automatingco 🛱 🕐 🖨	···· image_co	ompression > 💠 views.py > 😚 c	ompress			
Ċ)	✓ dataentry		<pre>from .forms impo</pre>	rt CompressImageForm			
Q	🗇 urls.py 🔹 utils.py		from PIL import	Image			
~	views.py		import io				
90	✓ emails			rib import messages			
-	>pvcache			import HttpResponse			
	> migrations		n olir u Jango meep	- Import - Hetpikesponse			
æ~	initpy						
ß	🌵 admin.py						
в	apps.py		def compress(red				
	🔹 forms.py		••••user•=•reque	st.user			
L۵	models.py		if request.m	ethod == 'POST':			
π	🔮 tasks.py		form = C	ompressImageForm(request.P	OST, request.FILES)		
Д	 tests.py urls.py 			is valid():			
atha	views.py			<pre>inal_img = form.cleaned_da</pre>	ta['original img']		
-	> env			ity = form.cleaned_data['q			
	 image_compression 		quar	rty – Tohm.creaneu_data[q			
•							
	> migrations						
	_init_py			ressed_image = form.save(c	ommit=False)		
	🔮 admin.py		comp	ressed_image.user = user			
	apps.py						
	 forms.py models.py 						
	tests.py		img	<pre>= Image.open(original img)</pre>			
	urls.py	u 23		0.020			
	views.py	u 24					
	> media			ut_format = img.format			
			oucp	ac_formac = img.formac			
	> static		b£4	er = io.BytesIO()			
	 templates dataentry 				c		
	✓ emails			<pre>save(buffer, format=output</pre>	_tormat, quality=qu	ality)	
	send-email.html		butt	er.seek(0)			
	track_dashboard.html						
	track_stats.html						
	 image_compression 		comp	ressed_image.compressed_im	g.save(
				f'compressed_{original_img	}', buffer		
	alerts.html						
		м 35					
	 Iogin.html 	36		tomatically download the c	ompressed file not	as binary value but as f	ormatted image
	register.html			onse = HttpResponse(
	> uploads			buffer.getvalue(), content	type=f'image/foutr	ut format lower())')	
							nol imgl:
	 .gitignore 	39		onse['Content-Disposition'	j = T accachment;fi	.iename=compressea_{origi	nar_img}
	■ db.sqlite3		retu	rn response			
	manage.py = requirements.txt	41 M 10					
	- requirements.txt		else:				
				ompressImageForm()			
	redirect def redirect		context	= {			
	😚 render def render		for	m': form,			
	CompressimageForm da		}				
	() Image module Image		return r	ender(request, 'image_comp	ression/compress.ht	ml', context)	
	 () io module io () messages module messa 						
0	HttpResponse class Http	yes					
8	compress def compress						

5. Open your downloads folder for the images:

	This PC > OS (C:) > Users > Rosilie > Downloa	ds				Search Downloads
) New ~ 🔏 🗘 🛅		background 🖄 Rotate left 😒	Rotate right		L	
A Home	Name	Date modified	Туре	Size		
Sallery	compressed_goldfinch-8268805	8/30/2024 7:20 PM	JPG File	978 KB		
	extension-cord-147580_640	8/30/2024 2:32 PM	PNG File	73 KB		
Desktop	before-and-after-compression-2407850_640	8/30/2024 1:26 PM	JPG File	69 KB		
🛓 Downloads	compressed_tennis-7932066	8/30/2024 7:22 PM	JPG File	821 KB		
Documents	compressed_sheet-music-8398449	8/30/2024 7:23 PM	JPG File	1,681 KB		
🕖 Music	* compressed_ai-generated-8881982_640	8/30/2024 7:25 PM	PNG File	170 KB		
Videos						
-	ai-generated-8881982 640	8/24/2024 7:04 PM	PNG File	150 KB		

6. Push your changes to Github.

Copyright © Personal Digital Notebooks | By Rosilie | Date Printed: July 10, 2025, 11:41 p.m.