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# Python Code Quality



Jan Giacomelli



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### Introduction

I am currently working as the head software engineer for the Engineering Institute of Wisconsin where I'm responsible for the planning and development of various computer software that will be utilized by the company. Additionally, I was in charge of evaluating said software and making sure that it functions properly and effectively.

### Work Experience

- Engineering Institute of Wisconsin  
2018-2022  
Head Software Engineer
- Engineering Institute of Wisconsin  
2017-2018  
Junior Software Engineering

### Working Skills

- Web Developing
- Web Incoding
- Web Troubleshooting

### Education

- Wisconsin State University  
Litionsequo omnis aut quo dis  
aceaquant mi cus eatur.  
Masteral Software Engineering 2016
- Wisconsin State University  
Litionsequo omnis aut quo dis  
aceaquant mi cus eatur.  
Masteral Software Engineering 2014

### Language

- English
- Spanish
- British
- Roman

### Awards

- Outstanding Achievement Award
- Service and Commitment Award
- Best Leadership Award
- Employee of the Year Award

### References

- Smith - H.R Manager
- John - Sr. Manager
- John - Managing Director



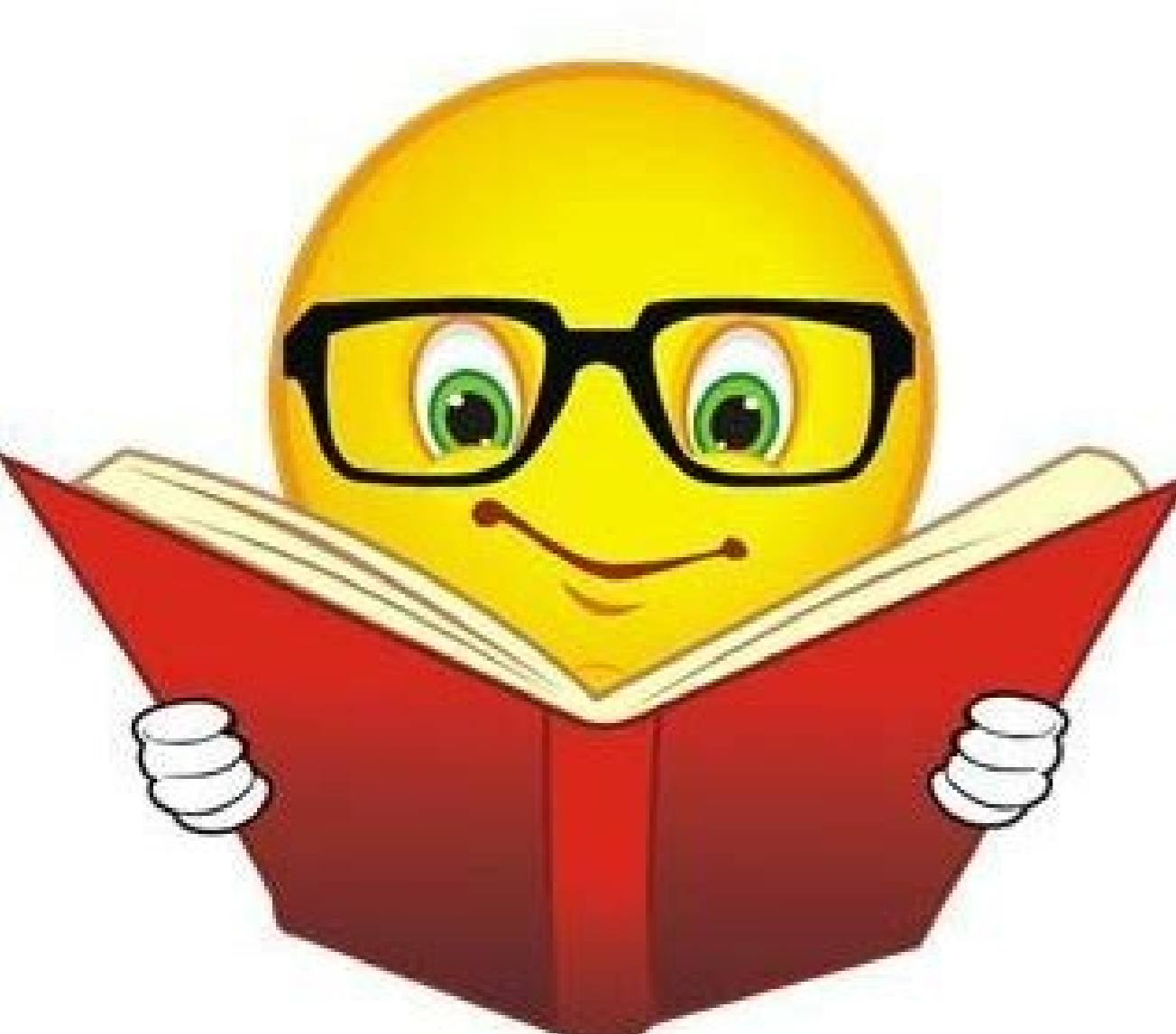
TEMPLATE.NET

## Visual Studio Code + python

```

20 def partition_random(array, left, right, compare):
21     pivot = left + math.floor(random.random() * (right - left))
22
23     if pivot != right:
24         array[right], array[pivot] = array[pivot], array[right]
25
26     return partition_right(array, left, right, compare)
27
28 def partition_right(array, left, right, compare):
29     pivot = array[right]
30     mid = left
31

```



Python django explained. Django python simple example. Python django example. Apprendre django python pdf.

Vous avez envie de développer votre propre site web en partant de zéro tout en profitant de la puissance d'un framework puissant ? Vous souhaitez apprendre à utiliser le cadre de développement web open source Django en code Python pour votre projet de site Internet ? Alors ne cherchez pas plus loin ! Ce cours pour apprendre à créer un site web avec Django est fait pour vous. Que vous soyez débutant en web ou que vous vouliez découvrir une nouvelle manière de créer un projet de site web, ce cours en ligne vous permettra de développer une structure complète tout en étant productif et efficace grâce à l'outil Django. Il existe de nombreuses manières de créer un site web par soi-même. Grâce à des codes différents comme HTML, CSS ou encore JavaScript, mais aussi des frameworks divers et variés. Certains outils demandent plus de temps d'apprentissage que d'autres. C'est pourquoi ce cours va vous apprendre à créer un site web avec Django, un framework puissant et open source qui fonctionne avec le langage de code Python. Accompagné de votre expert Robin Penea, ingénieur logiciel depuis plus de 10 ans, vous apprendrez à maîtriser les fondamentaux de Django à travers de la théorie et des exercices concrets pour finalement être capable de concevoir une application et créer un blog à partir de rien. Pour commencer, vous apprendrez à installer votre environnement de travail et chaque fichier nécessaire selon votre système d'exploitation (Windows, macOS et Linux). Vous comprendrez les interactions entre les acteurs du web et concevrez vos premiers projets d'application avec le framework Django. Vous saurez configurer des URLs et afficher les données des utilisateurs. Vous serez aussi en capacité de personnaliser le site administrateur (admin) de votre site et prendrez en main l'outil Bootstrap pour réaliser le design de votre site ou application. Enfin, votre professeur Robin Penea vous guidera dans la conception d'une application de blog, en passant de la création de la structure avec Bootstrap, à la réalisation de votre première page à propos, en passant par la conception d'une barre de navigation. Vous saurez créer en toute autonomie des sites web fonctionnels avec du langage informatique Python. Après avoir visionné l'intégralité de ce cours pour apprendre à créer un site web avec Django, vous obtiendrez un certificat de suivi attestant que vous savez développer de vous-même un site web complet et fonctionnel avec le framework Django. Alors à votre code, prêt ? Codez ! Accessible à tous (débutant comme avancé) Robin travaille en tant qu'ingénieur logiciel depuis plus de 10 ans. En passant de startups à de grandes entreprises (SagemCom, JCDecaux, Parrot), il a abordé un large panel de technologies, des systèmes embarqués au développement web. Il travaille sur Android depuis 2010, que ce soit en modifiant directement l'OS... En apprendre plus sur Robin Penea Robin Penea est suivi par 1 717 élèves et a reçu la note globale de 4,5/5 sur 7 cours Très bien ! Très enrichissant pour moi qui ne connaissait pas Django Excellent ! Le contenu est très important, le prof pédagogue Excellent ! Formation encyclopédique ; Robin n'a rien laissé de côté. Donne envi d'aller plus loin avec Django, c'est sûr et de faire son 1er site en python. Django en accéléré format epub Django en accéléré en pdf Idée de base : Django Projet 2021 Mais contenu précis à définir selon votre envie/besoin personnel. Doc Django Tutoriel Django TDD with Python Créez un compte OpenClassrooms Le téléchargement des vidéos de nos cours est accessible pour les membres Premium. Vous pouvez toutefois les visionner en streaming gratuitement. Django est l'un des frameworks web les plus avancés au monde, alliant puissance et simplicité de mise en œuvre, en tirant notamment partie des qualités du langage Python. Qualifié de « framework web pour les perfectionnistes qui ont des deadlines » (the Web framework for perfectionists with deadlines) par ses créateurs, Django a effectivement de quoi ravir les concepteurs et programmeurs en recherche de qualité de code et de rapidité de développement. Parmi ses atouts (liste non exhaustive...) : Un ORM simple, agréable et puissant Un puissant moteur de template Une gestion d'URL élégante La génération d'interfaces d'administration (scaffolding) en deux temps trois mouvements Formation Django : au programme Ce site vous propose notamment : Use cases Django... Voici quelques-unes des principales préoccupations des développeurs Django, sous la forme de use case UML. Cliquez sur le bouton en dessous du diagramme pour pouvoir naviguer sur le site directement en cliquant sur les cas d'utilisation. Afficher la navigation en pleine taille Pourquoi ce site/cours sur Django ? Ce site est particulièrement destiné aux étudiants de master « M2 MIAGE » de l'université de Picardie Jules Verne, dans le cadre du cours « Web x.0 », ainsi qu'à tous les programmeurs et concepteurs qui veulent découvrir le framework Django. N'hésitez pas à me signaler les erreurs (fond et forme). Un grand merci à Julie et Magali dont les relectures ont permis de déceler beaucoup de coquilles, et à mes étudiants de la Miage d'Amiens qui ont permis d'améliorer le contenu de ce site (remerciements particuliers à Ludovic Scribe pour ses remarques !). Le mapper URL est généralement stocké dans un fichier nommé urls.py. Dans l'exemple ci-dessous, le mapper (urlpatterns) définit une liste de mappings entre des routes (des patterns d'URL spécifiques)\* et leur fonction de vue correspondante. Si une requête HTTP est reçue dont l'URL correspond à un pattern spécifié, la fonction vue associée sera appelée et passée dans la requête. urlpatterns = [ path('admin/', admin.site.urls), path('book/', views.book\_detail, name='book-detail'), path('catalog/', include('catalog.urls')), re\_path(r'^(0-9)+/\$', views.best), ] L'objet urlpatterns est une liste de fonctions path() et/ou re\_path(). (Les listes en Python sont définies en utilisant des crochets), où des éléments sont séparés par des virgules et peuvent avoir une virgule de traîne optionnelle. Par exemple : [item1, item2, item3, ..]). Le premier argument de chaque méthode est une route (pattern) qui sera reconnu. La méthode path() utilise des chevrons pour définir les parties de l'URL qui seront capturées et passées dans les fonctions vues comme arguments nommés. La fonction re\_path() utilise une approche de correspondance de pattern flexible, connue sous le nom d'expression régulière. Nous parlerons de ces dernières dans un prochain article ! Le second argument est une autre fonction qui sera appelée quand le pattern sera reconnu. La notation views.book\_detail() indique que la fonction s'appelle book\_detail(), et qu'elle se trouve dans un module appelé views (i.e. dans un fichier intitulé views.py) Knowledge needed: Basic command line skills, basic python, basic HTML Requires: Python, text editor, command line Project Time: 1-2 hours Django is a web framework for Python and in this tutorial you're going to use Django to build a basic blog engine. Along the way you'll pick up the smell of a typical Django workflow and get to sample a little taste of the "Pythonic Way". As you go through this tutorial, it's really important that you read and type the code out by hand. Do not copy and paste code or you'll miss critical learning experiences. This tutorial is split into the following parts: Requirements Starting the project Starting the blog app Writing the database Connecting the django admin to the blog app Writing the URLs, views and templates for the blog app Adding some style Suggestions for taking it further 01. Requirements Python Open a command prompt window and type in python and press return. If you find yourself in a Python shell (like below), then you're in luck. If you don't then you'll either need to install Python and/or configure your PATH. You're going to be writing a fair bit of Python code so if you've never written any Python before you may want to be aware of the fact that indentation is significant in Python. Rather than use braces {} or parenthesis (), Python uses indentation to format code. The common convention is to use four spaces per level of indentation, but, if you're anything like me you'll find pressing the space bar four times a huge waste of time. Instead I'd encourage you to enable soft tabs in your text editor. The complete coding style guide for Python can be found under PEP8. Django The "pro" way to install Django is to use virtualenv and virtualenvwrapper to create separate virtual Python environments for each of your Django projects. However, if you're just interested in cracking on and trying things out, then don't feel that you have to know this extra layer of complexity right now. However, if you do it, make sure that you can run this line of code without any errors. python -c 'import django' 02. Starting the project A stroke of diamond-tipped genius. Django comes with a command line tool called django-admin.py, which you're going to use to start your project. Crack open a command prompt and enter the following: django-admin.py startproject netmagcd netmagpython manage.py runserver In the above commands, you've started your project, changed into your project directory (which we'll call the project root from now on) and you've started the Django development server. Open a browser and go to to see the fruits of your labour. For the rest of this project I want you to keep two command prompt windows/tabs open. One for running the development server (which you're already doing) and one for entering various commands as you go along. These two command prompts will be your best friends through this tutorial so put them somewhere you can see them. Open up your project in your text editor and have a look at each of the files that Django has created. The important files to note are: Good work, here's what you've done so far: Created your Django project You're running the Django development server in one command prompt window and you have another open for tackling the commands you encounter as you progress. Checked out your welcome page in a browser Opened your Django project in your text editor Given yourself a brief overview of the important files in your project When you're happy that you've done the above, move onto the next section. 03. Starting the blog app In this part of the tutorial you're going to create the blog app for your Django project and edit the settings.py file to add it to your INSTALLED\_APPS. In your command prompt window run the following command: django-admin.py startapp blog If all goes according to plan, you'll now have a directory structure like below. If yours isn't, then move the blog directory so it's sitting inside the project root. Here's what Django has created for you: blog/ \_\_init\_\_.py: an empty, but special python file. models.py: where you'll define your blog model. views.py: where you'll define all of the view functions. static.py: like bacon, testing is good for you, but we'll leave that for another day. We'll wrap up this section of the tutorial with a final task. In settings.py there is a tuple called INSTALLED\_APPS and this is what Django uses to know what apps are installed on a project. You need to open up settings.py and edit it so that your blog app is listed in the tuple. It's good form to put local apps at the end of the tuple. Edit the settings.py so that INSTALLED\_APPS

matches what's below:INSTALLED\_APPS = ( 'django.contrib.auth', 'django.contrib.contenttypes', 'django.contrib.sessions', 'django.contrib.sites', 'django.contrib.messages', 'django.contrib.staticfiles', # Uncomment the next line to enable the admin: 'django.contrib.admin', # Uncomment the next line to enable admin documentation: 'django.contrib.admindocs', 'blog',)You've now created your blog app and added it to your INSTALLED\_APPS. It's time to write some models.04. Writing the blog modelsWhen using Django, you don't write a lot of (if any) SQL. Instead you write models. In this section of the tutorial that's exactly what you're going to do.Models are used to generate database tables and they have a rather nifty object relational mapping (ORM) API for getting things in and out of the database. It's a really nice way of working.Open up the models.py file from your blog app and edit it so that it matches what's below: from django.db import models from django.core.urlresolvers import reverse class Post(models.Model): title = models.CharField(max\_length=255) slug = models.SlugField(unique=True, max\_length=255) description = models.CharField(max\_length=255) content = models.TextField() published = models.BooleanField(default=True) created = models.DateTimeField(auto\_now\_add=True) class Meta: ordering = ['-created'] def \_\_unicode\_\_(self): return u'%s' % self.title def get\_absolute\_url(self): return reverse('blog.views.post', args=[self.slug])High five! You've just created your blog model. You've given it various properties using a combination of fields. Take a few minutes and follow the links to the Django documentation for each of the below fields and work out what each of the arguments you've given the fields do.We've also given our model class a couple of methods. The first one \_\_unicode\_\_ is used when Django displays the object to humans. Technically, this method returns a unicode object, but because you're just whetting your Django (and possibly Python) whistle, I'll not put you off by getting into unicode right now. You can save that bundle of joy for a rainy day when the only other viable alternative is gnawing a human-sized hole through a brick wall. For now, know that Django natively supports unicode data.The second method get\_absolute\_url is used when we need to link to a specific blog post.Finally, you may notice the inner Meta class on the model. This is where you're telling the model class how it should be ordered. In this case, you're having the Post objects ordered by the created date. The - tells Django to return the objects in a descending order.Here's what you've done in this section of the tutorial:Created a blog modelRead a little bit more about each of the model fieldsLearned about what each of the methods doAvoided the pain of learning about unicodeDid someone say something about a database?05. Creating the databaseThe database is the foundation of most web apps and the Django app is no exception. In this section of the tutorial you're going to configure the database settings and then use a Django management command to sync the database to the models.Django projects are configured using settings.py so open this file up your text editor and locate the DATABASES dictionary, which should be kicking around on or near line 12. Edit it so that it matches the below code.Change the DATABASES dictionary so that it looks like below: DATABASES = { 'default': { 'ENGINE': 'django.db.backends.sqlite3', 'NAME': 'netmag.db', } }You've configured Django to use the sqlite database backend and told Django to call the database netmag.db. I've chosen this backend for you because it requires minimal configuration and is ideal for a tutorial project like this. However, if this project was going to be pushed live, then a better choice would have been PostgreSQL or MySQL, but that's another song for another day.Now that the database settings are configured you can create your database. Because you're doing this for the first time you'll be prompted to create a superuser account that you'll use in the next section. Make sure you remember what you enter and, don't worry, this information isn't transmitted anywhere.Head to your command prompt and enter the following command:python manage.py syncdbLook in your project root you'll notice that there is a new file called netmag.db. This is your database and is where all of your blog posts will be stored - so don't delete it!Go to your browser and refresh the page; nothing has really changed. It's still the same blank screen. In the next section you'll fix that by hooking up the admin. But first take some credit for what you've done:configured your database settings.ran syncdb for the first time to create the databasecreated a superuser login that you'll shortly use to login to the adminNow let's get this party started.06. Connecting the Django admin to the blog appDjango comes with an application called The Admin and it's a fantastic tool.In this part of the tutorial you're going to enable the admin app, sync the database again and hook up the admin to your blog app.07. Enable the adminGo back to your settings.py and back to the INSTALLED\_APPS dictionary. Edit it so that it matches the code below:INSTALLED\_APPS = ( 'django.contrib.auth', 'django.contrib.contenttypes', 'django.contrib.sessions', 'django.contrib.sites', 'django.contrib.messages', 'django.contrib.staticfiles', 'django.contrib.admin', 'blog',)Go back to the command prompt window that's running the development server and make sure there are no errors in it. If there aren't any errors then refresh your browser window to check for errors elsewhere in the project.Checking for errors often and regularly is good practice until you start developing using a Test Driven Development (TDD) approach. For now, remember to check the development server and refresh the browser to check for errors.If there are no errors, then move on.Next up open urls.py and edit that so that it matches the code below:from django.conf.urls import patterns, include, url from django.contrib import admin admin.autodiscover() urlpatterns = patterns("", url(r'^admin/', include(admin.site.urls)),)Again, go back and check your development server and browser for errors. If there are no errors then you're ready to sync the database again. You need to do this again because the last time you ran the syncdb command your project wasn't configured to use the admin app. Now it is, so run syncdb again and, if you pay attention, you'll see it create the new tables.python manage.py syncdbNow, if you go back to your browser and point it at you'll be greeted by the screen below:Go ahead and login using the details you created in the last step and have a look around. You'll notice that your blog app is missing. Don't worry because that's what you're going to do now.08. Connecting your blog appinside your blog directory create a new file called admin.py and enter the following code into it: from django.contrib import admin from blog.models import Post admin.site.register(Post)This is the bare minimum that you have to do to attach an app to the admin. If you restart your development server and refresh the admin in the browser you should now see your blog app:Now that you have your blog app in your admin, go ahead and create a few blog posts, remembering to use HTML to format the content of your post. Take a few minutes to do that because you're going to need a few posts to work with in the next parts of the tutorial>Welcome back.You've done the bare minimum job on implementing the blog into the admin. Now, you're going to pimp the admin out by adding a custom PostAdmin class to improve the UX a little bit. Edit the admin.py file so that it matches the code below: from django.contrib import admin from blog.models import Post class PostAdmin(admin.ModelAdmin): # fields display on change list list\_display = ['title', 'description'] # fields to filter the change list with list\_filter = ['published', 'created'] # fields to search in change list search\_fields = ['title', 'description', 'content'] # enable the date drill down on change list date\_hierarchy = 'created' # enable the save buttons on top on change form save\_on\_top = True # prepopulate the slug from the title - big timesaver! prepopulated\_fields = {'slug': ('title',)} admin.site.register(Post, PostAdmin)Go back to your browser and refresh your page. You'll notice that your blog app is looking a lot more battle-ready.The official Django documentation for the admin is a great resource for discovering more about what you can do with a custom admin class if you want to take it further and explore.So you've done a lot to get to this point. Here's what you can take credit for:editing settings.INSTALLED\_APPS to include django.contrib.admin editing netmags.urls to include the urlpatterns for the adminstarting to check the development server and browser frequently to detect errorsrunning syncdb to create the database tables for the adminlogging into the admin and explored a littlecreating a few blog postswriting a custom admin class to pimp out the UX of the blog app in the adminSo you can do all of the CRUD (create, update, delete) actions with your blog posts. But, right now, there's no public views. That's what you're going to do next.09. Writing the URLS, views and templates for the blog appNow you're going to write edit the URLconf to contain some urlpatterns. Django uses the urlpatterns contained within URLconfs to map HTTP requests to view functions that return HTTP responses.There are three steps to this:Write the urlpatterns into netmag/urls.py (a.k.a "root URLconf").Write the view functions into blog/views.py Create the templates for the views10. Write the urlpatternsOpen up your netmag/urls.py (a.k.a "root URLconf") in your text editor and edit it so that it matches what's below: from django.conf.urls import patterns, include, url from django.contrib import admin admin.autodiscover() urlpatterns = patterns("", url(r'^admin/', include(admin.site.urls)), url(r'^\$', 'blog.views.index'), url(r'^([w-]+)/\$', 'blog.views.post'),)If you're wondering what all of the ^([w-]+)/\$ voodoo is then you're not alone - they're regular expressions (or regex). Don't worry if you don't understand regular expressions in full or even more than a little. Any regex knowledge goes a long way in Django world and you'll slowly absorb all of the knowledge required to be a regex warrior.It's important that the ^admin/ regex comes before the ^(?:[w-]+)/\$ because, in regex world, the latter will also match the former and this will cause the URL for admin to be passed to the blog.views.post view function. And that isn't what you want.If you go back to you'll get a nice error message ViewDoesNotExist. You're getting this error because you've mapped some urlpatterns to view functions that don't yet exist. Let's fix that.11. Write the view functionsOpen up blog/views.py and edit them so that they match the code below: from django.shortcuts import render, get\_object\_or\_404 from blog.models import Post def index(request): # get the blog posts that are published posts = Post.objects.filter(published=True) # now return the rendered template return render(request, 'blog/index.html', {'posts': posts}) def post(request, slug): # get the Post object post = get\_object\_or\_404(Post, slug=slug) # now return the rendered template return render(request, 'blog/post.html', {'post': post})Now if you go back to your browser and refresh the page, you'll still have an error, but this time it's a TemplateDoesNotExist error. You're getting this because the templates you've referenced in your view functions don't exist. Let's fix that.12. Create the templatesYou're on the home stretch here and you have to do three things to get rid of the TemplateDoesNotExist error.Firstly, create the following directories:netmag/netmag/templatesnetmag/netmag/templates/blogNext, you need to configure Django to find your templates. Open up settings.py in your text editor and find the TEMPLATE\_DIRS tuple.You only need tell Django where to find your netmag/netmag/templates directory so edit the TEMPLATE\_DIRS tuple so that it has the full absolute path to your netmag/netmag/templates directory. The comma after the end of the string is important: TEMPLATE\_DIRS = ( '/path/to/your/netmag/netmag/templates',)Finally you need to create three templates. First up is base.html and it's the dictionary. Edit it so that it matches the code below:INSTALLED\_APPS = ( 'django.contrib.auth', 'django.contrib.contenttypes', 'django.contrib.sessions', 'django.contrib.sites', 'django.contrib.messages', 'django.contrib.staticfiles', 'django.contrib.admin', 'blog',)Go back to the command prompt window that's running the development server and make sure there are no errors in it. If there aren't any errors then refresh your browser window to check for errors elsewhere in the project.Checking for errors often and regularly is good practice until you start developing using a Test Driven Development (TDD) approach. 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Don't worry if you don't understand regular expressions in full or even more than a little. Any regex knowledge goes a long way in Django world and you'll slowly absorb all of the knowledge required to be a regex warrior.It's important that the ^admin/ regex comes before the ^(?:[w-]+)/\$ because, in regex world, the latter will also match the former and this will cause the URL for admin to be passed to the blog.views.post view function. And that isn't what you want.If you go back to you'll get a nice error message ViewDoesNotExist. You're getting this error because you've mapped some urlpatterns to view functions that don't yet exist. Let's fix that.11. Write the view functionsOpen up blog/views.py and edit them so that they match the code below: from django.shortcuts import render, get\_object\_or\_404 from blog.models import Post def index(request): # get the blog posts that are published posts = Post.objects.filter(published=True) # now return the rendered template return render(request, 'blog/index.html', {'posts': posts}) def post(request, slug): # get the Post object post = get\_object\_or\_404(Post, slug=slug) # now return the rendered template return render(request, 'blog/post.html', {'post': post})Now if you go back to your browser and refresh the page, you'll still have an error, but this time it's a TemplateDoesNotExist error. You're getting this because the templates you've referenced in your view functions don't exist. Let's fix that.12. Create the templatesYou're on the home stretch here and you have to do three things to get rid of the TemplateDoesNotExist error.Firstly, create the following directories:netmag/netmag/templatesnetmag/netmag/templates/blogNext, you need to configure Django to find your templates. Open up settings.py in your text editor and find the TEMPLATE\_DIRS tuple.You only need tell Django where to find your netmag/netmag/templates directory so edit the TEMPLATE\_DIRS tuple so that it has the full absolute path to your netmag/netmag/templates directory. The comma after the end of the string is important: TEMPLATE\_DIRS = ( '/path/to/your/netmag/netmag/templates',)Finally you need to create three templates. First up is base.html and it's the dictionary. Edit it so that it matches the code below:INSTALLED\_APPS = ( 'django.contrib.auth', 'django.contrib.contenttypes', 'django.contrib.sessions', 'django.contrib.sites', 'django.contrib.messages', 'django.contrib.staticfiles', 'django.contrib.admin', 'blog',)Go back to the command prompt window that's running the development server and make sure there are no errors in it. If there aren't any errors then refresh your browser window to check for errors elsewhere in the project.Checking for errors often and regularly is good practice until you start developing using a Test Driven Development (TDD) approach. For now, remember to check the development server and refresh the browser to check for errors.If there are no errors, then move on.Next up open urls.py and edit that so that it matches the code below:from django.conf.urls import patterns, include, url from django.contrib import admin admin.autodiscover() urlpatterns = patterns("", url(r'^admin/', include(admin.site.urls)),)Again, go back and check your development server and browser for errors. If there are no errors then you're ready to sync the database again. You need to do this again because the last time you ran the syncdb command your project wasn't configured to use the admin app. Now it is, so run syncdb again and, if you pay attention, you'll see it create the new tables.python manage.py syncdbNow, if you go back to your browser and point it at you'll be greeted by the fruits of your labour.Double high fives, my friend. You've done a lot in this section of the tutorial. You can now add the following to your list of achievements:Edited urls.py to include urlpatterns that map URLs to view functions.Written the view functions for the corresponding URLsCreated the directories for your templatesConfigured Django to find your templatesCreated the base.html templateCreated templates for each of your view functionsGave yourself a brief overview of the Django template documentationHowever, to paraphrase Lt. Columbo, there's just one thing that bothers me: your blog is naked. Let's quickly fix that.13. Adding some styleEven a little smattering of style goes a long way so in this section of the tutorial you're going to add a stylesheet to base.html.Please note: the method you're about to use is fine for development, but please don't use it in production. Serving static media with Django is a waste of resources and is much better handled by the web server. You can find out more about serving static files with Django from the documentation.Create the netmag/netmag/static/ directory and inside it create a file called style.css with the following CSS: body{ background-color: #f0f0f0; color: #2e2e2e; margin: 0; padding: 0; font-size: 14px; line-height: 28px; font-family: 'Helvetica Neue', Helvetica, Arial, sans-serif; } div.content{ border: 1px solid #f0f0f0; background-color: #fff; max-width: 640px; width: 96%; padding: 2%; margin: 28px auto; }Now add the following line into the head section of base.html: Before you go jumping to your browser and refresh the page, pause. Just as you had to configure the templates, you need to configure some staticfiles settings so that Django knows where to find your static files and the URL to use to serve them.Open it up and amend the STATIC\_URL string as follows: STATIC\_URL = '/static/'Next, amend the STATICFILES\_DIRS to contain your absolute path to your static directory. STATICFILES\_DIRS = ( '/your/path/to/netmag/netmag/static/',)Now go and hop over to your browser and refresh the page.Congratulations. Here's what you've done in all of the tutorial:Created a project using django-admin.pyCreated your blog app using django-admin.pyAuthored a model for your blog appConfigured and created the database and other settingsConnected your app to the Django admin app and wrote a custom admin class for itWrote urlpatterns, views functions, templates for your blog app and configured the templates in your settingsConfigured the staticfiles app and used it to serve some CSS to stop your blog from being naked14. Suggestions for taking it furtherWhat you've followed here is the basic Django workflow of create app, write models, connect admin and write the views. However, for the sake of brevity, this tutorial hasn't covered testing your app, which should become a central part of your workflow if you get serious about Django. So, if you're looking to take this further you should look at writing tests for your app.As you learn more Django and Python you may also want to make sure that your code is adhering to the pep8 style guide for Python. Writing code that is compliant with the official coding style guide from the start is a fantastic way to begin your Django career.You may also find that the admin form you use to enter your blog posts is a little constrained. Django has a massive and vibrant eco-system of plugins (which are referred to as "reusable apps" in Django terms). If you want another challenge try installing django-writingfield, which turns that cramped text area into a delicious fullscreen writing experience for Django. (Disclaimer: I authored this reusable app, but it is very nice, even if I do say so myself)While on the subject of writing blog posts, you may want to implement the django.contrib.markup app for your blog so you can write your blog posts and render them using the built-in support for Markdown or Textile.If you're really wanting to learn more about Django then you should look at using Heroku to host your Django blog and using your blog to help you learn more about Django and also to document your learning journey. If you're just starting out with Django then you're in an enviable position to start blogging from the perspective of a new "Djanganaut".Finally, do the official Django tutorial because it gives you a nice guided tour of Django that will help reinforce everything you've learned today and much, much more.Jamie Curle is a designer, developer and teacher on a quest to be a well rounded human being. He's been designing and developing websites since the early 2000's and is now embarking on his new teaching venture - Obscure Metaphor.Liked this? Read these!

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