

Django 2.0 url() to path() Cheatsheet

Regular expression to Path Converter

```
url(r'^posts/(?P<post_id>[0-9]+)/$', post_detail_view)
```

```
path('posts/<int:post_id>/', post_detail_view)
```

`[0-9]+` → `int`

`[^/]+` → `str`

`[-a-zA-Z0-9_]+` → `slug`

`.*` → `path`

`[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}` → `uuid`

Custom Path Converter

```
from django.urls import register_converter, path

class FourDigitYearConverter:
    regex = '[0-9]{4}'

    def to_python(self, value):
        return int(value)

    def to_url(self, value):
        return '%04d' % value

register_converter(FourDigitYearConverter, 'yyyy')

urlpatterns=[
    path('articles/<yyyy:year>/', views.year_archive),
]
```

Model Path Converter

```
$ pip install django-model-path-converter

from django.urls import path
from model_path_converter import register_model_converter
from .models import Article

register_model_converter(Article)

urlpatterns=[
    path('articles/<article:article>/', views.details),
]
```