

# Django - Page Redirection

Page redirection is needed for many reasons in web application. You might want to redirect a user to another page when a specific action occurs, or basically in case of error. For example, when a user logs in to your website, he is often redirected either to the main home page or to his personal dashboard. In Django, redirection is accomplished using the 'redirect' method.

The 'redirect' method takes as argument: The URL you want to be redirected to as string A view's name.

The myapp/views looks like the following so far –

```
def hello(request):
    today = datetime.datetime.now().date()
    daysOfWeek = ['Mon', 'Tue', 'Wed', 'Thu', 'Fri', 'Sat', 'Sun']
    return render(request, "hello.html", {"today" : today, "days_of_week" : daysOfWeek})

def viewArticle(request, articleId):
    """ A view that display an article based on his ID"""
    text = "Displaying article Number : %s" %articleId
    return HttpResponse(text)

def viewArticles(request, year, month):
    text = "Displaying articles of : %s/%s"%(year, month)
    return HttpResponse(text)
```

Let's change the hello view to redirect to [djangoproject.com](https://www.djangoproject.com) and our viewArticle to redirect to our internal '/myapp/articles'. To do so the myapp/view.py will change to –

```
from django.shortcuts import render, redirect
from django.http import HttpResponse
import datetime

# Create your views here.
def hello(request):
    today = datetime.datetime.now().date()
    daysOfWeek = ['Mon', 'Tue', 'Wed', 'Thu', 'Fri', 'Sat', 'Sun']
    return redirect("https://www.djangoproject.com")

def viewArticle(request, articleId):
    """ A view that display an article based on his ID"""
    text = "Displaying article Number : %s" %articleId
    return redirect(viewArticles, year = "2045", month = "02")

def viewArticles(request, year, month):
```

```
text = "Displaying articles of : %s/%s"%(year, month)
return HttpResponseRedirect(text)
```

In the above example, first we imported `redirect` from `django.shortcuts` and for redirection to the Django official website we just pass the full URL to the `'redirect'` method as string, and for the second example (the `viewArticle` view) the `'redirect'` method takes the view name and his parameters as arguments.

Accessing `/myapp/hello`, will give you the following screen –

Django page Redirection Example1

And accessing `/myapp/article/42`, will give you the following screen –

Django page Redirection Example2

It is also possible to specify whether the `'redirect'` is temporary or permanent by adding `permanent = True` parameter. The user will see no difference, but these are details that search engines take into account when ranking of your website.

Also remember that `'name'` parameter we defined in our `url.py` while mapping the URLs –

```
url(r'^articles/(?P\d{2})/(?P\d{4})/', 'viewArticles', name = 'articles'),
```

That name (here `article`) can be used as argument for the `'redirect'` method, then our `viewArticle` redirection can be changed from –

```
def viewArticle(request, articleId):
    """ A view that display an article based on his ID"""
    text = "Displaying article Number : %s" %articleId
    return redirect(viewArticles, year = "2045", month = "02")
```

**To –**

```
def viewArticle(request, articleId):
    """ A view that display an article based on his ID"""
    text = "Displaying article Number : %s" %articleId
    return redirect(articles, year = "2045", month = "02")
```

**Note** – There is also a function to generate URLs; it is used in the same way as `redirect`; the `'reverse'` method (`django.core.urlresolvers.reverse`). This function does not return a `HttpResponseRedirect` object, but simply a string containing the URL to the view compiled with any passed argument.

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