

Search

Let's setup a basic search functionality for our project. Instead of using the existing app, we will create a new 'search' app dedicated for search.

```
$ python manage.py startapp search
```

'Q' Objects

We will be using 'Q' objects for creating complex lookups. 'Q' objects have to be imported into our 'search' view and query our database models.

[Ref - Q Objects](#)

```
def search(request):
    query = request.GET.get('q')
    if query:
        q_query_set = (Q(title__icontains=query)) |
        (Q(body__icontains=query))
        a_query_set = (Q(answer__icontains=query))
        q_results = Question.objects.filter(q_query_set).distinct()
        a_results = Answer.objects.filter(a_query_set).distinct()
        context = {
            'q_results': q_results,
            'a_results': a_results
        }
    else:
        context = {}
    return render(request, 'search.html', context)
```

URL's & Templates

As usual create URL's and a new template to render search results.