**Generic Class Based View**

Django’s generic views are built off of those base views and were developed as a shortcut for common usage patterns such as displaying the details of an object.

Most generic view require the queryset key, which is a QuerySet instance.

Display View- List View, detail View

Editing View – Form view , create view , Update view , delete view.

Date View – ArchieveIndexView, YearArchieveView,MonthArchieveView, weekArchieveView, DayArchieveView, TodayArchieveView,DateDetailView.

**Generic Display View**

* List View
* Detail View

List View: Django.views.generic.list.ListView

A page representing a list of objects.

**MultipleObjectTemplateResponseMixin**

This inherits methods and attributes from the following views:

Django.views.generic.base.TemplateresponseMixin

**Attribute:** template\_name\_suffix – The suffix to append to the auto generated candidate template name . Default suffix is list.

**BaseListView**

A base view for displaying a list of objects . It is not intended to be used directly , but rather as a parent class of the Django.views.generic.list.ListView or other views representing lists of objects.

Django,views.generic.list.MultipleObjectMixin

Django.views.generic.base.View

Methods:

Get(request, \*args, \*\*kwargs) – It adds object\_list to the context . If allow\_empty is True then display an empty list. If allow \_empty is False then a 404 error.

**MultipleObjectMixin**

Django.views.generic.list.MultipleObjectMixin

A mixin that can be used to display a list of objects.

**Attribute:**

Allow\_empty: by default it is True.

Model - The model that this view will display data for specifying model = Student is effectively the same as specifying queryset = Student.objects.all(),where objects stand for Student’s default manager.

Queryset: Queryset represent the objects. If provided the value of queryset supersedes the value provided for model.

**DetailView**

Django.views.generic.DetailView

While this view is executing , self.object will contain the object that the view is operating upon.

**SIngleObjectTemplateResponseMixin**

Django.views.generic.deatil.SingleObject TemplateResponseMixin

A mixin class that perform template-based response rendering for views that operate upon a single object instance.

**Generic Editing View**

The following views are described on this page and provide a foundation for editing content

* Form View
* Create View
* Update View
* Delete View

**Form View**

django.views.generic.edit.FormView

A view that display a form . on error ,redisplay the form with validation error on success redirects to a newURL.