# Generic API VIEWS and mixins



```python
#This class dont require id
class crudAPI(GenericAPIView,ListModelMixin,CreateModelMixin):
    queryset = student.objects.all()
    serializer_class = studentSerializer

    def get(self, request, *args, **kwargs):
        return self.list(request, *args, **kwargs)


    def post(self, request, *args, **kwargs):
        return self.create(request, *args, **kwargs)

#This class require id
class crudAPIViewWithId(GenericAPIView,RetrieveModelMixin,UpdateModelMixin,DestroyModelMixin):
    queryset = student.objects.all()
    serializer_class = studentSerializer

    def get(self, request, *args, **kwargs):
        return self.retrieve(request, *args, **kwargs)

    def put(self, request, *args, **kwargs):
        return self.update(request, *args, **kwargs)

    def delete(self, request, *args, **kwargs):
        return self.destroy(request, *args,**kwargs)
```

# UpdateModelMixin

```python
from rest_framework.mixins import UpdateModelMixin
from rest_framework.generics import GenericAPIView
class StudentUpdate(UpdateModelMixin, GenericAPIView):
    queryset = Student.objects.all()
    serializer_class = StudentSerializer
    def put(self, request, *args, **kwargs):
        return self.update(request, *args, **kwargs)
```

# RetrieveModelMixin

```python
from rest_framework.mixins import RetrieveModelMixin
from rest_framework.generics import GenericAPIView
class StudentRetrieve(RetrieveModelMixin, GenericAPIView):
    queryset = Student.objects.all()
    serializer_class = StudentSerializer
    def get(self, request, *args, **kwargs):
        return self.retrieve(request, *args, **kwargs)
```

# DestroyModelMixin

```python
from rest_framework.mixins import DestroyModelMixin
from rest_framework.generics import GenericAPIView
class StudentDestroy(DestroyModelMixin, GenericAPIView):
    queryset = Student.objects.all()
    serializer_class = StudentSerializer
    def delete(self, request, *args, **kwargs):
        return self.destroy(request, *args, **kwargs)
```

# CreateModelMixin

```python
from rest_framework.mixins import CreateModelMixin
from rest_framework.generics import GenericAPIView
class StudentCreate(CreateModelMixin, GenericAPIView):
    queryset = Student.objects.all()
    serializer_class = StudentSerializer
    def post(self, request, *args, **kwargs):
        return self.create(request, *args, **kwargs)
```