Django Admin

Django provides an admin site to allow CRUD (Create Read Update Delete) operations on registered app model.

It is a built-in feature of Django that automatically generates interface for models.

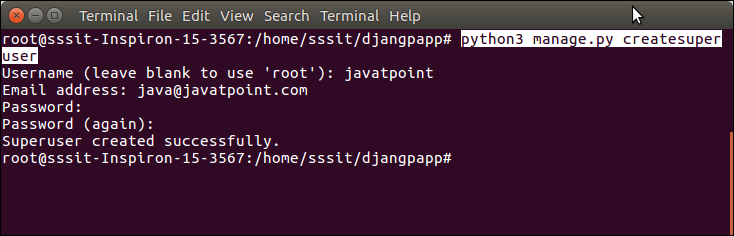
We can see the url entry for admin in urls.py file, it is implicit and generated while creating a new project.

1. urlpatterns = [
2. path('admin/', admin.site.urls),
3. ]

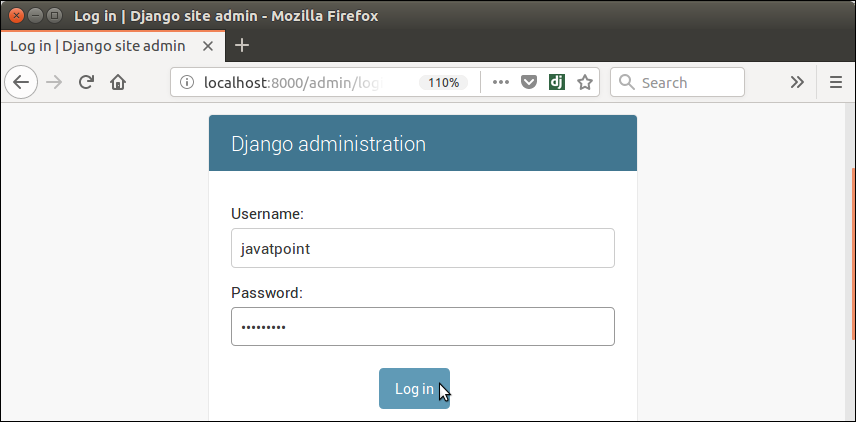
It can be easily accessed by after login from the admin panel, lets run the server **python3 manage.py runserver** and access it through the **localhost:8000/admin.**

A login form will be displayed, see the below.

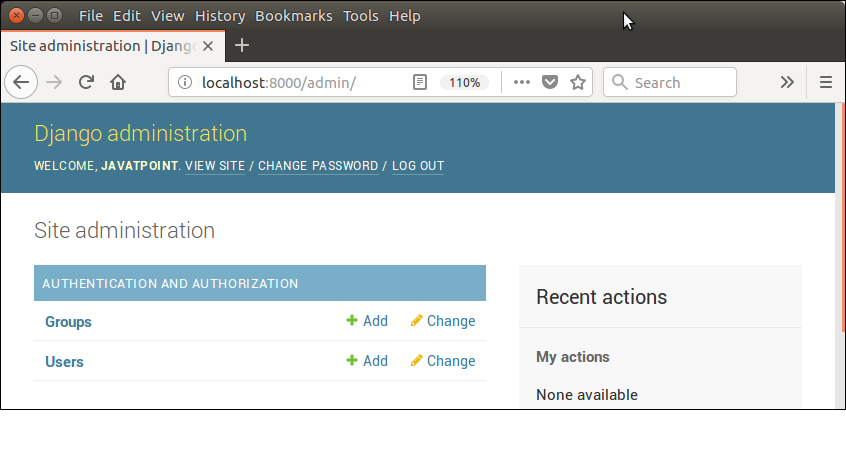
To login, first create admin (super user) user and provide password as we did here:



Super user is created successfully, now login.



It shows a home page after successfully login, see below.



It is an admin dashboard that provides facilities like: creating groups and users. It also used to manage the models.

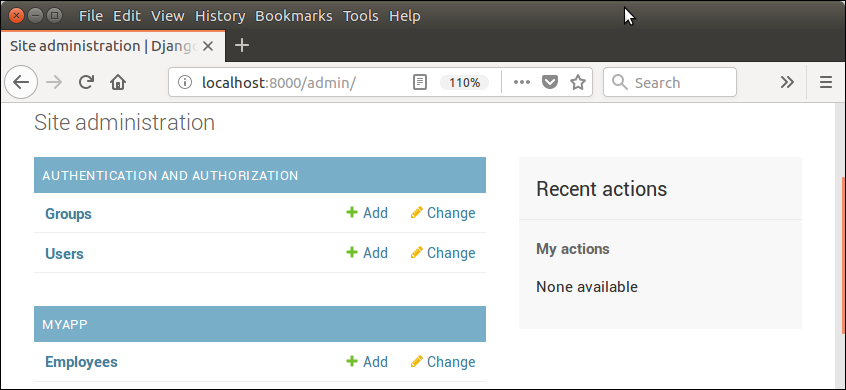
Register Django Model

To register model in **admin.py** file. Use the **admin.site.register()** method and pass the Model name. See the example.

**// admin.py**

1. from django.contrib **import** admin
2. from myapp.models **import** Employee
3. admin.site.register(Employee) # Employee is registered

Login again and see, it has **employee** object.



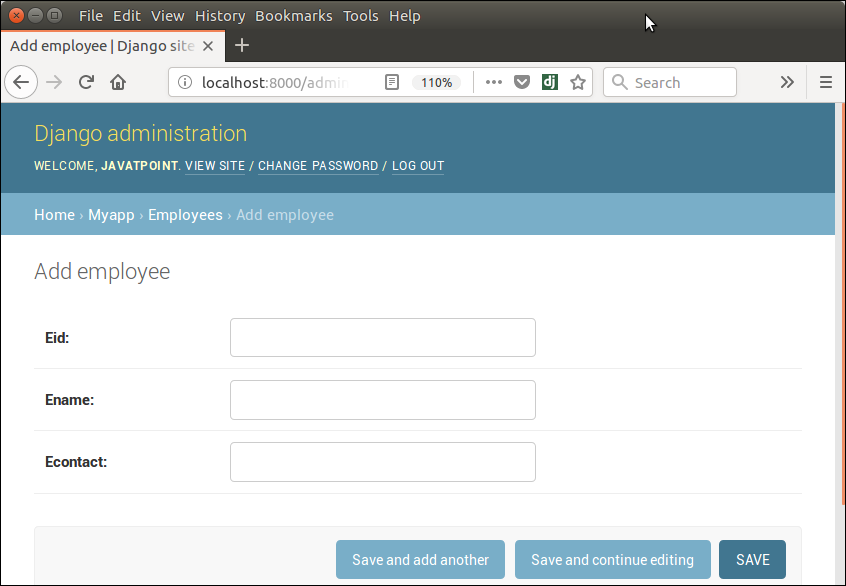
It provides auto generated interface to create new model object. Like, if i click on **add,** it renders a form with all the attributes provided in the model class.

For example, our model class contains the following code.

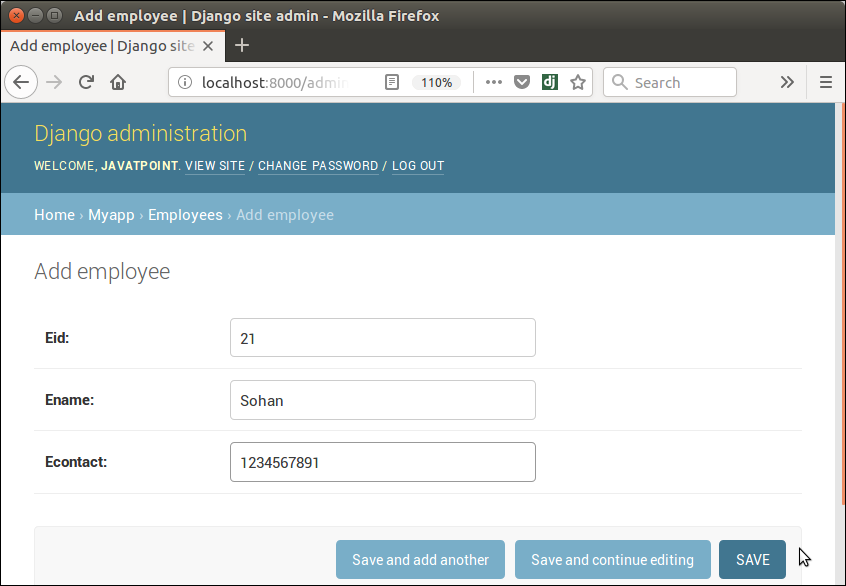
**// models.py**

1. from django.db **import** models
2. **class** Employee(models.Model):
3. eid     = models.CharField(max\_length=20)
4. ename   = models.CharField(max\_length=100)
5. econtact = models.CharField(max\_length=15)
6. **class** Meta:
7. db\_table = "employee"

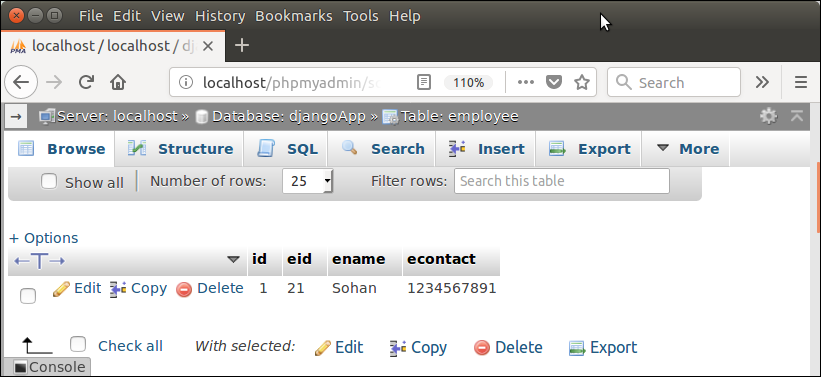
The auto generated form will be based on the model. We don't need to write HTML to create form. The form looks like this:



Lets add an employee by providing details and click on save button.



After saving, record is stored into the database table, see the below MySQL table.



Using this admin dashboard, we can update and delete record also.