# Django for Beginners

from [Django For Beginners - Full Tutorial - YouTube](https://www.youtube.com/watch?v=sm1mokevMWk&t=1374s)

## Start Django

$django-admin startproject project\_name

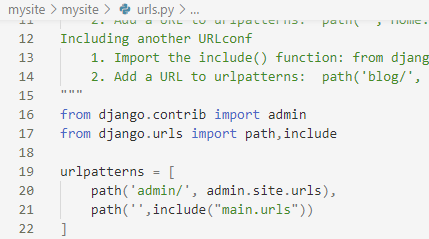
$cd project\_name

$python manage.py runserver <port>

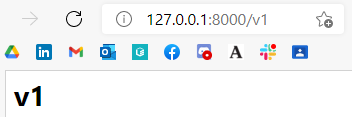
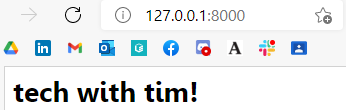
$python manage.py startapp app\_name

## Path navigation in urls

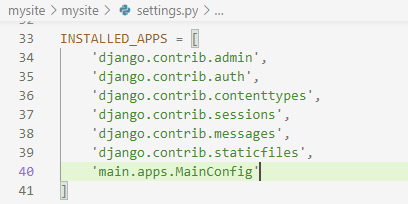
1. Setting



1. Go to url

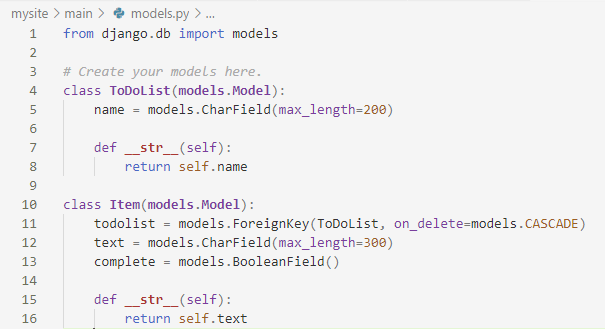


1. Config application

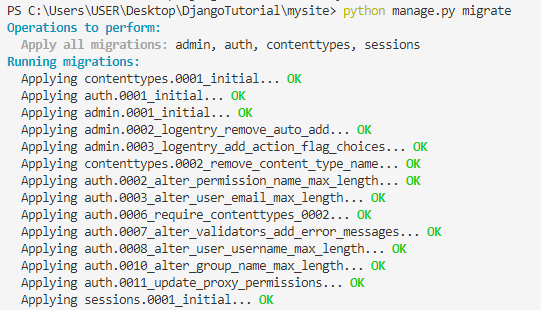


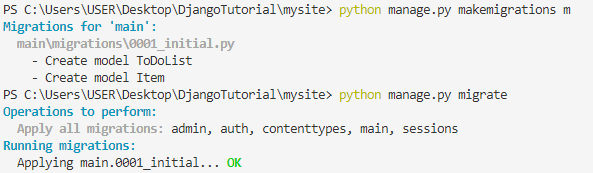
## Create SQLite Database

1. create database

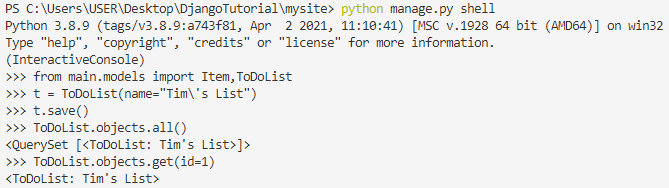
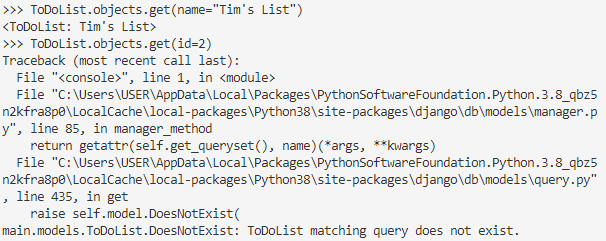


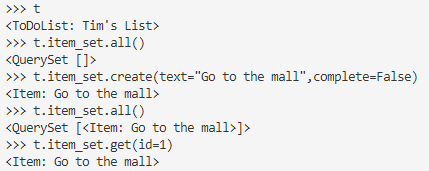
1. migrate





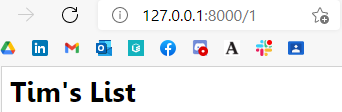
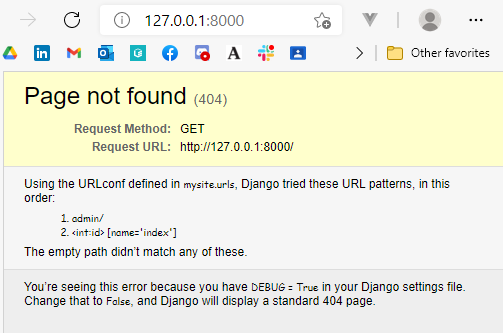
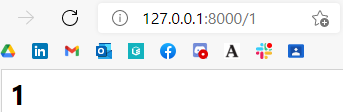
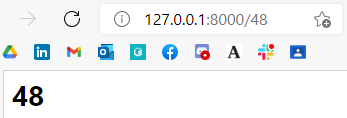
1. add data to SQLite database

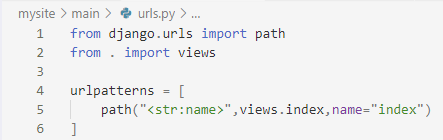
 

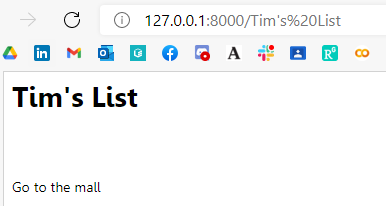
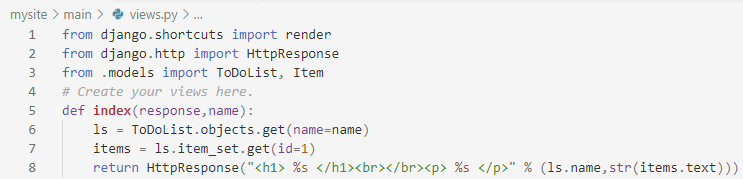
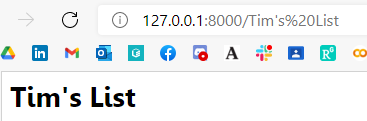
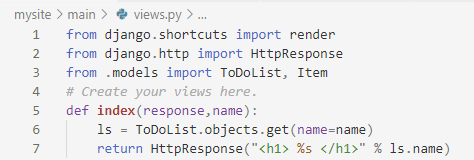


1. view in url

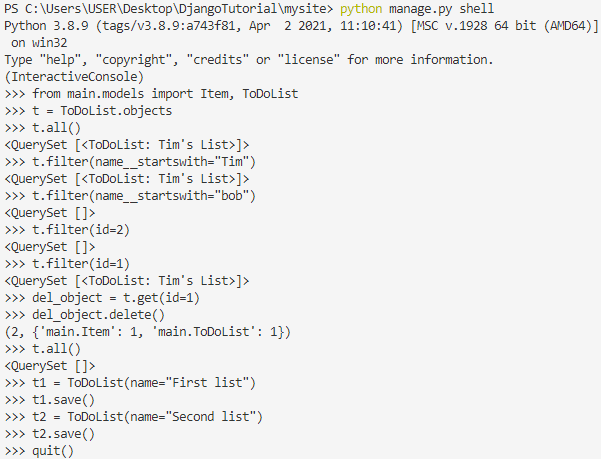






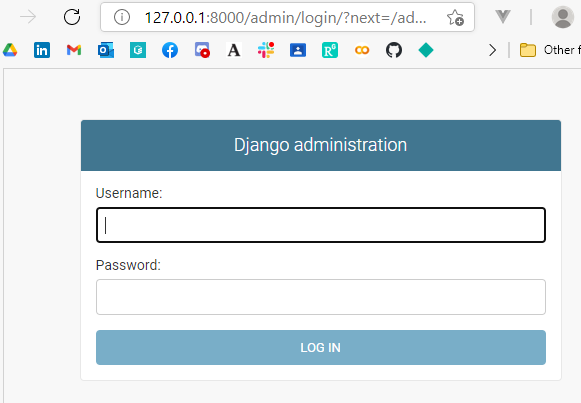


1. manage data in database

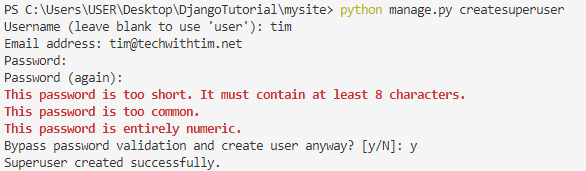


## Admin Dashboard

1. go to /admin/

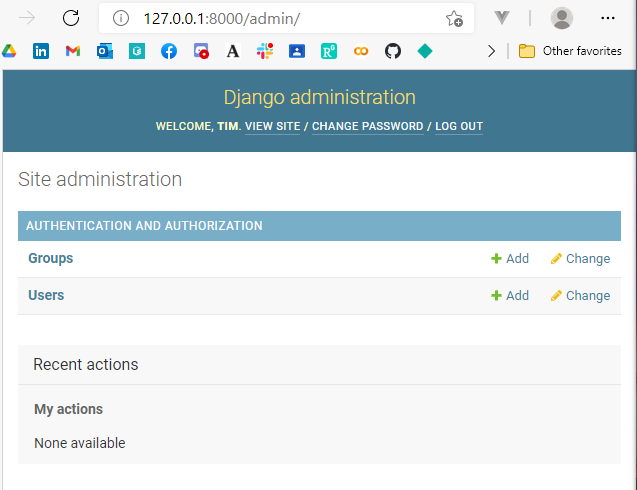
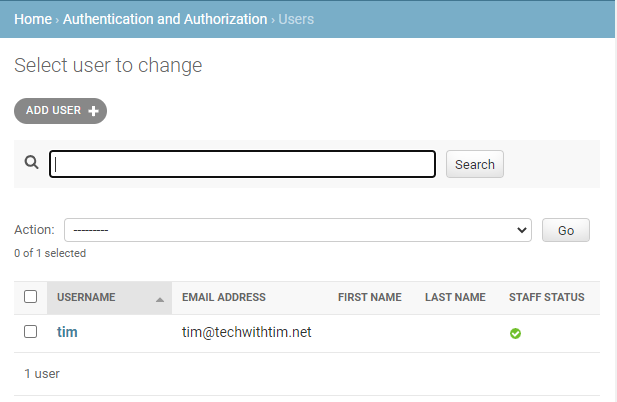


1. create username & password

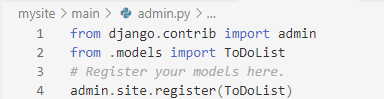


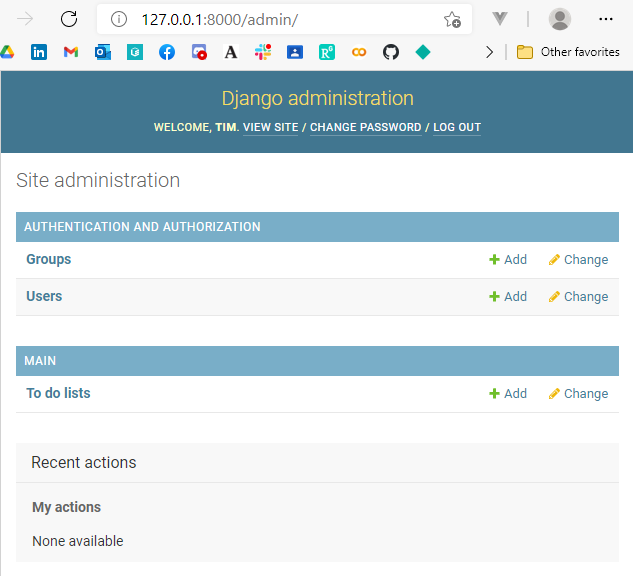
1234

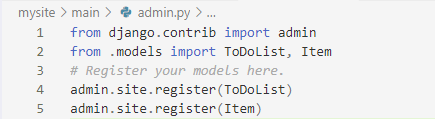
1. log in

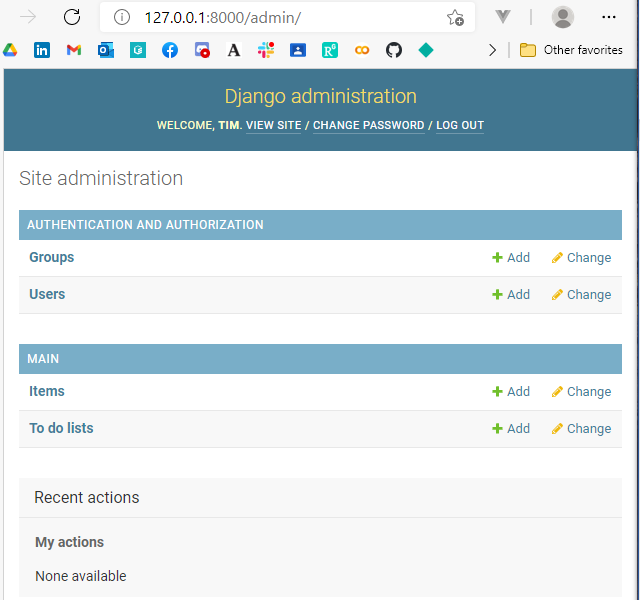


1. set table to see in admin site









## Template & Custom HTML

1. create templates folder in main folder
2. create main folder in templates folder
3. create base.html in templates/main



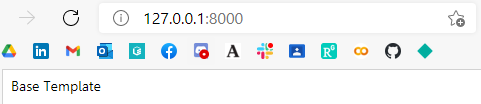
1. create home.html in templates/main



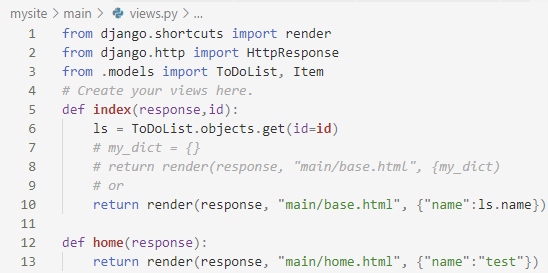
1. change path

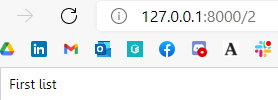
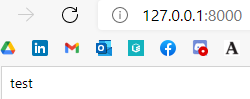






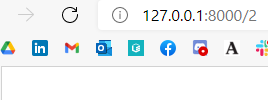
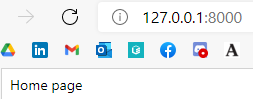
1. pass value to .html



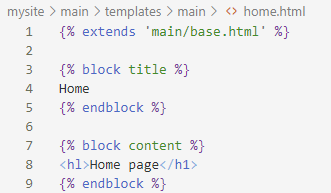
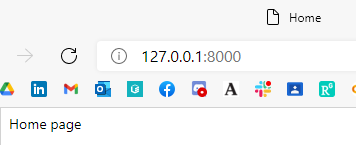
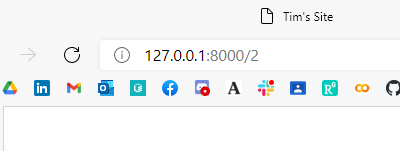


1. create content in home.html in templates/main ( based on base.html )

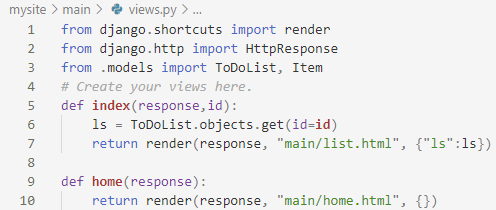


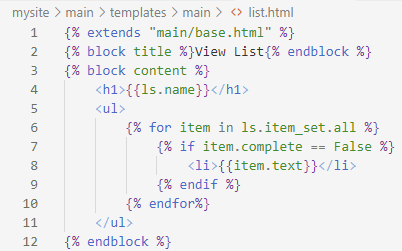


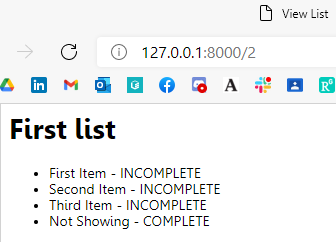
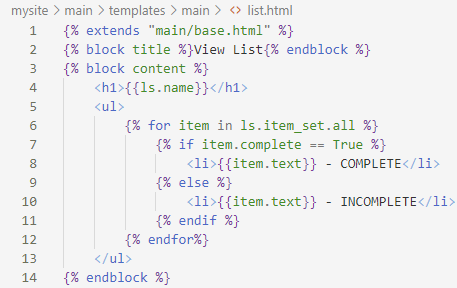
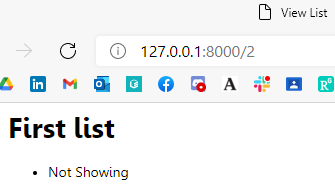
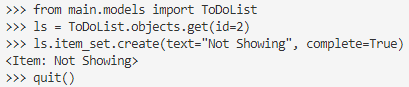
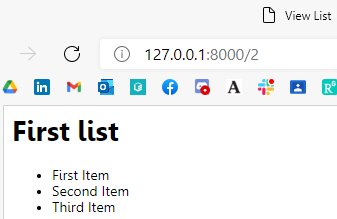
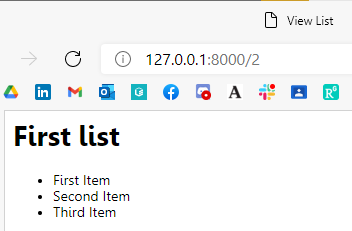
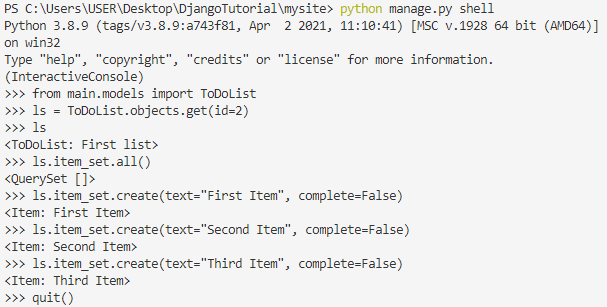




1. create list.html in templates/main

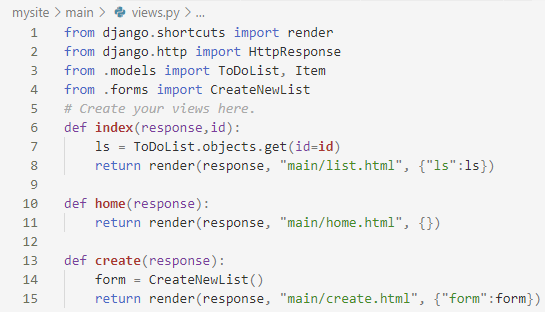




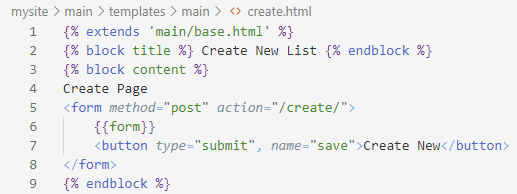


## Simple Forms

1. create new path

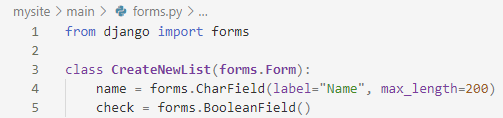
 

1. create create.html in templates/main

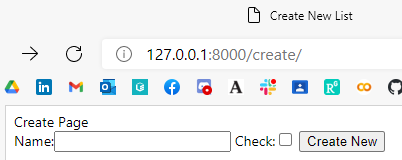


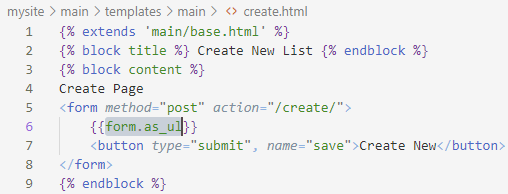
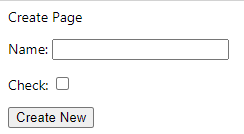
1. create forms.py in main folder ( 1 class per 1 form )

Docs : [Working with forms | Django documentation | Django (djangoproject.com)](https://docs.djangoproject.com/en/2.2/topics/forms/)

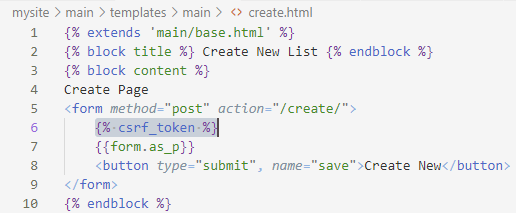


1. go to url

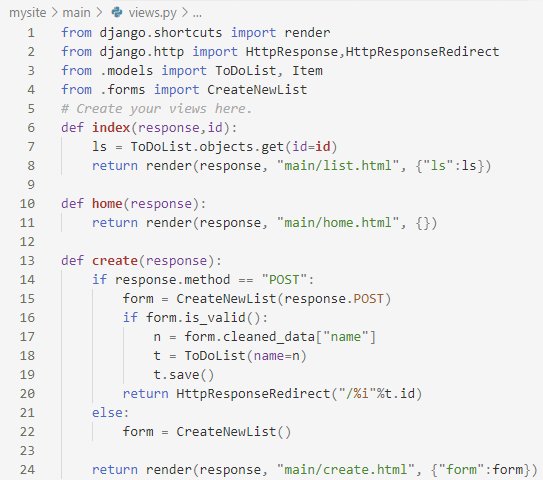


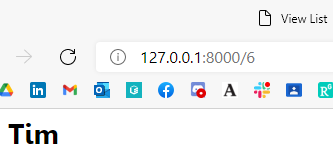
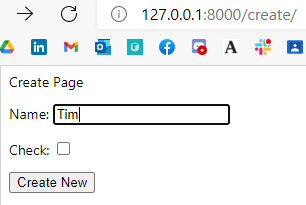


1. all fields in form are required so not to be required fields



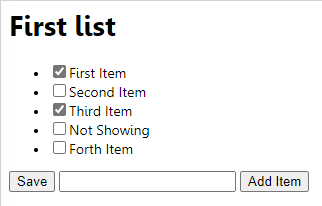
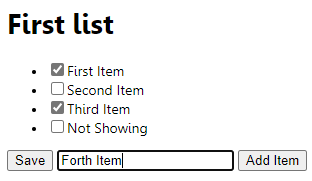
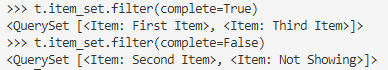
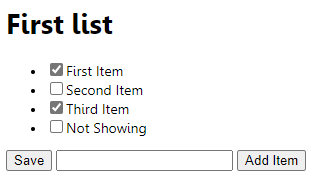
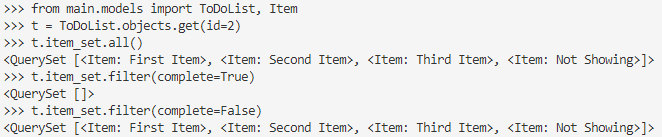
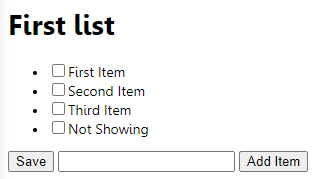
1. set if form is submitted, redirect to /id



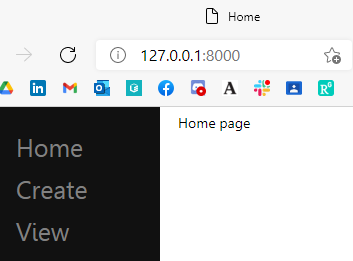
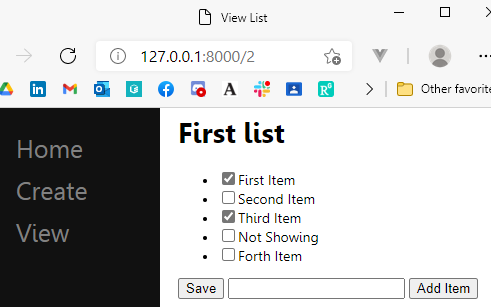
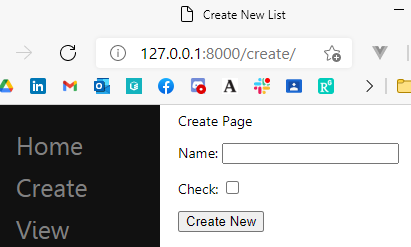


## Custom Forms

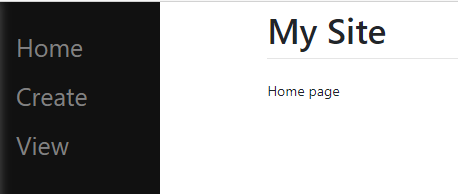
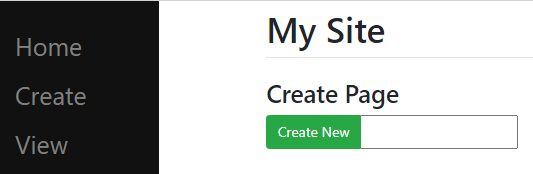
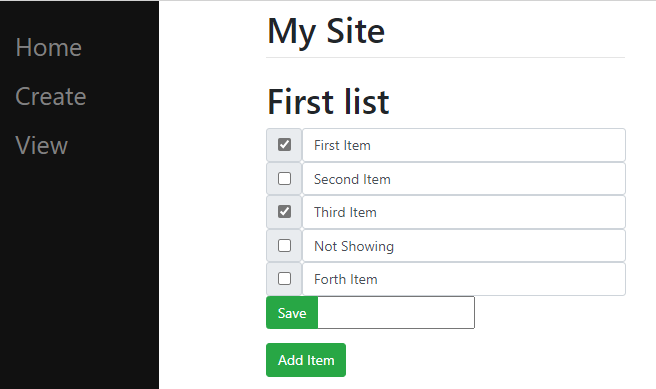




## Add a sidebar



## Add Bootstrap

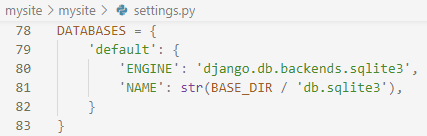


## User Registration & Sign up Page

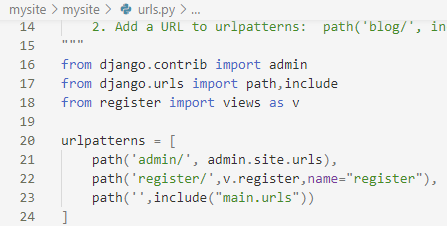
1. create app register < use $python manage.py startapp app\_name >



If error in database

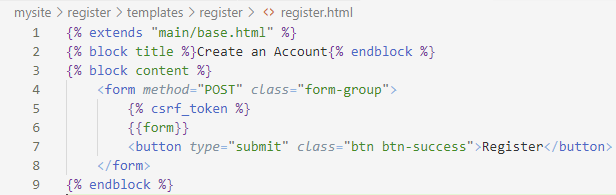


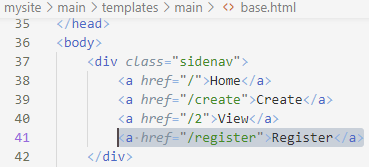
1. setting urls from mysite to register



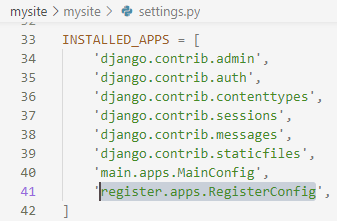


1. create templates folder in folder register
2. create register folder in templates folder
3. create register.html in register

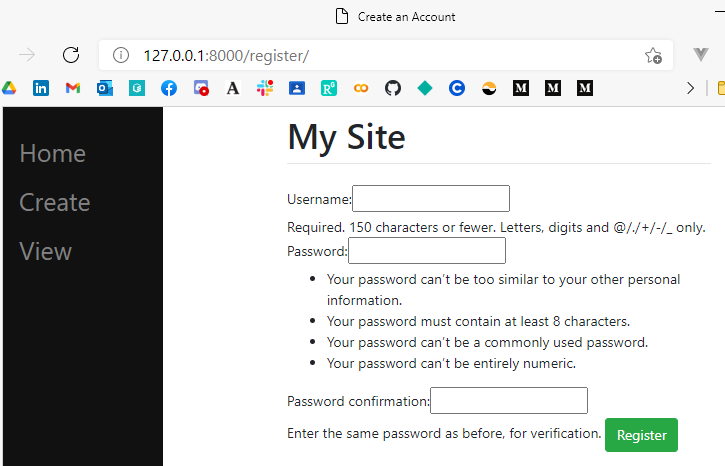




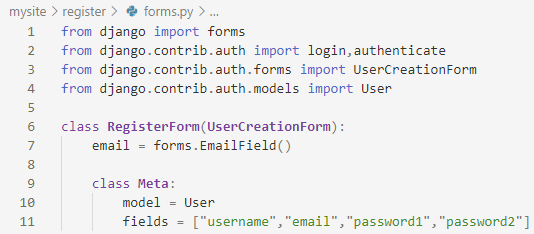
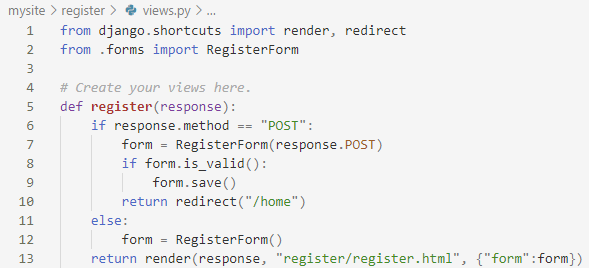
1. Config application

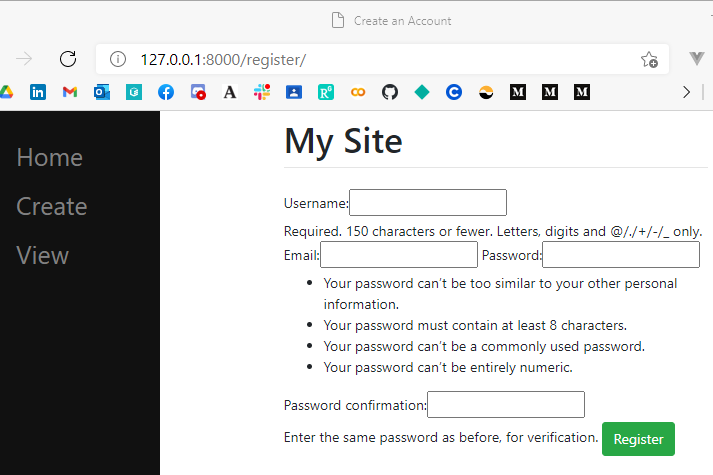


1. Go to /register



1. Create forms.py in register folder
2. Create email field

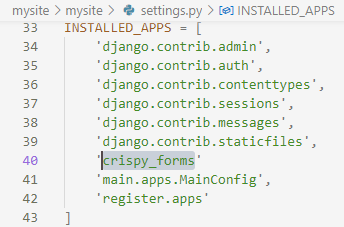
 

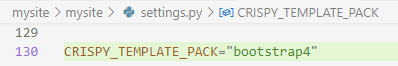


1. Install automatic framework styling for forms > Django-crispy-forms

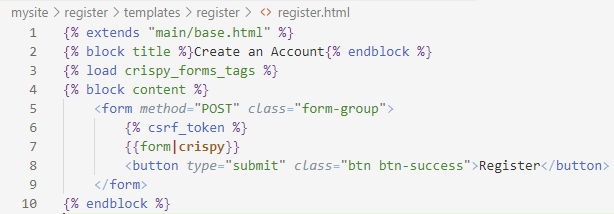


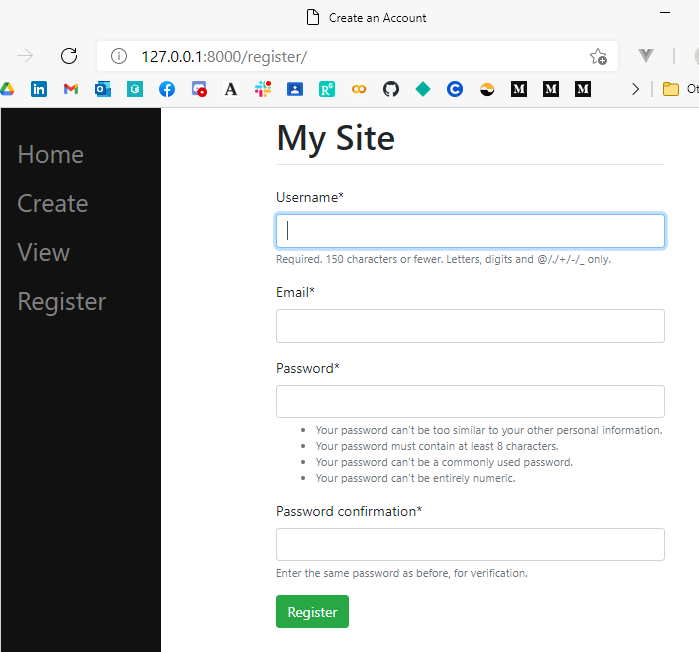
1. Config crispy-forms in mysite/setting.py





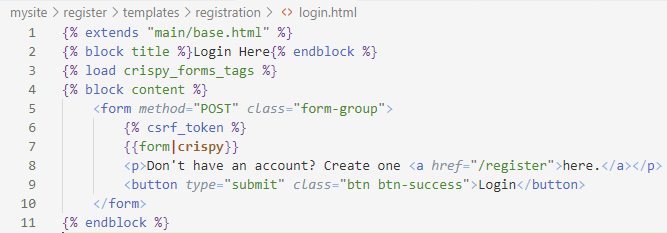
1. Add crispy to register.html



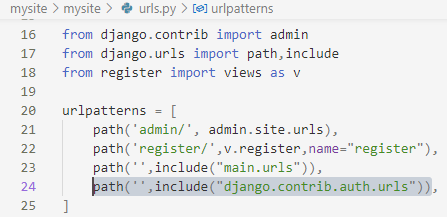


## Login, Logout & User Authentication

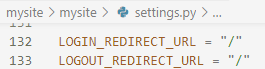
1. Create registration folder in register/templates
2. Create login.html in register/templates/registration



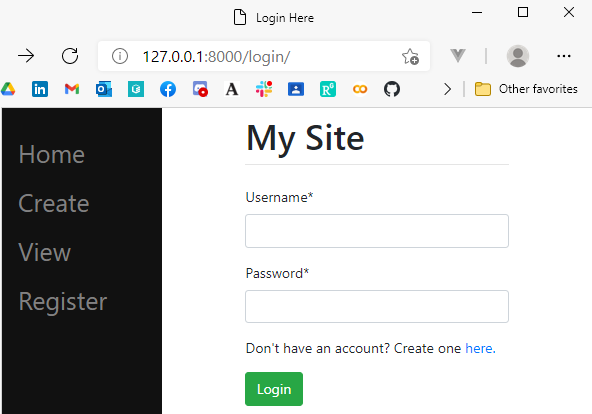
1. Create url path



1. Config redirect url after login & logout



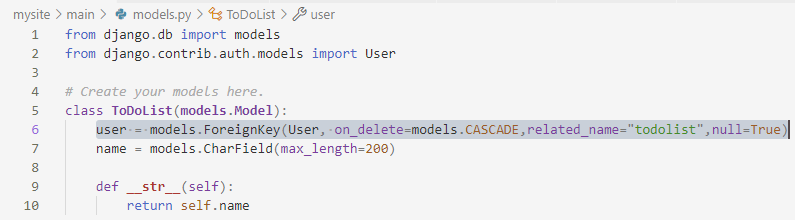
1. Go to /login



If want to logout, put /logout in url.

## User Specific Pages/Access

1. Set ToDoList can be seen by each user



1. $ python manage.py makemigrations main

$ python manage.py migrate