ToDo App - Using DJANGO FRAMEWORK
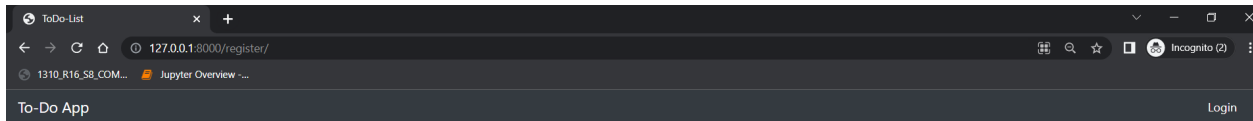
1. Front-End of ToDo Application

1) The **Login page (url - http://127.0.0.1:8000/login)** this page ask user to login else it will need to Register first
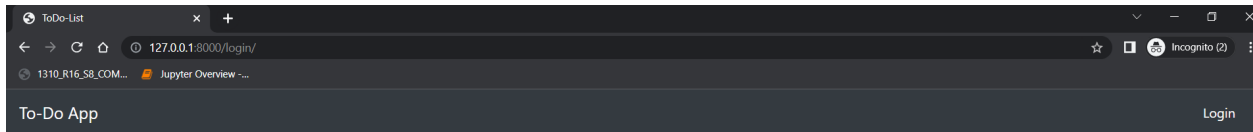
2) The **Register page (url - http://127.0.0.1:8000/register)** here the User will register himself for the first time

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3) After the user is logged in it will see all the tasks user had saved if there are no tasks then it will show "**No Tasks Available**"
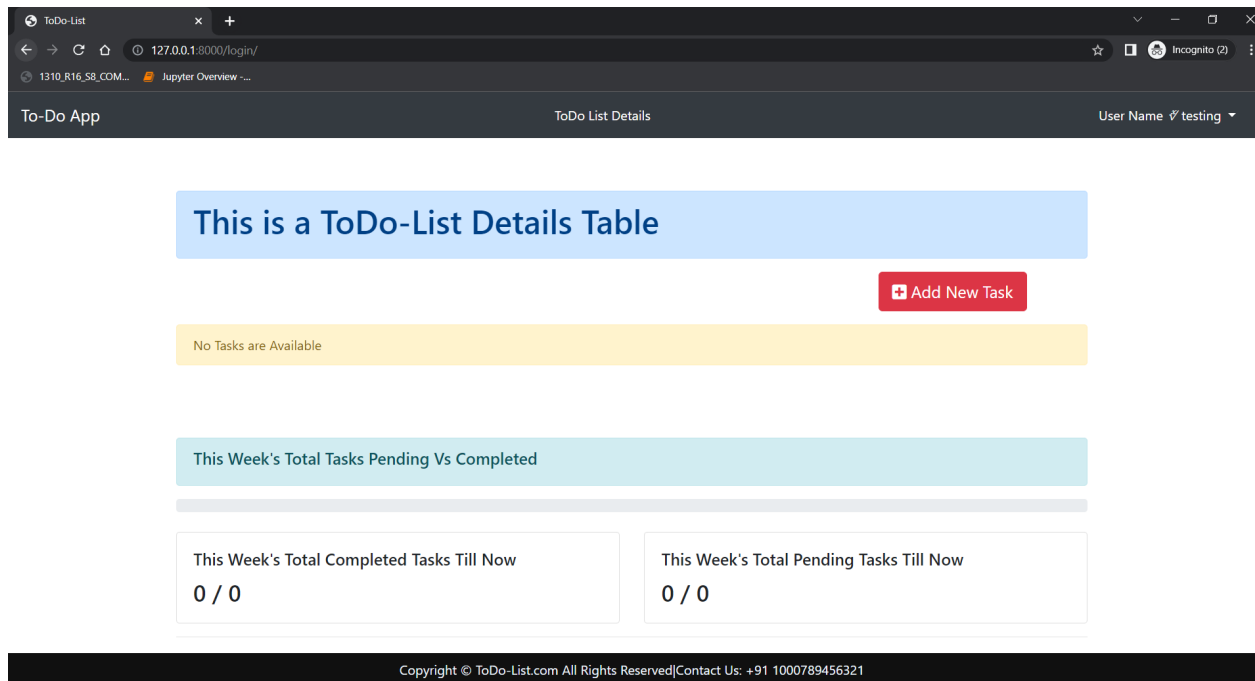
4) Once the User adds the Tasks the "TodoList" will display all the Tasks present also as per the requirement this screen will give us the overview about

4.1 - To Add New Tasks - To add the task user needs to click on ➕ Add New Task this button and a popup will occur so that the User can add the task
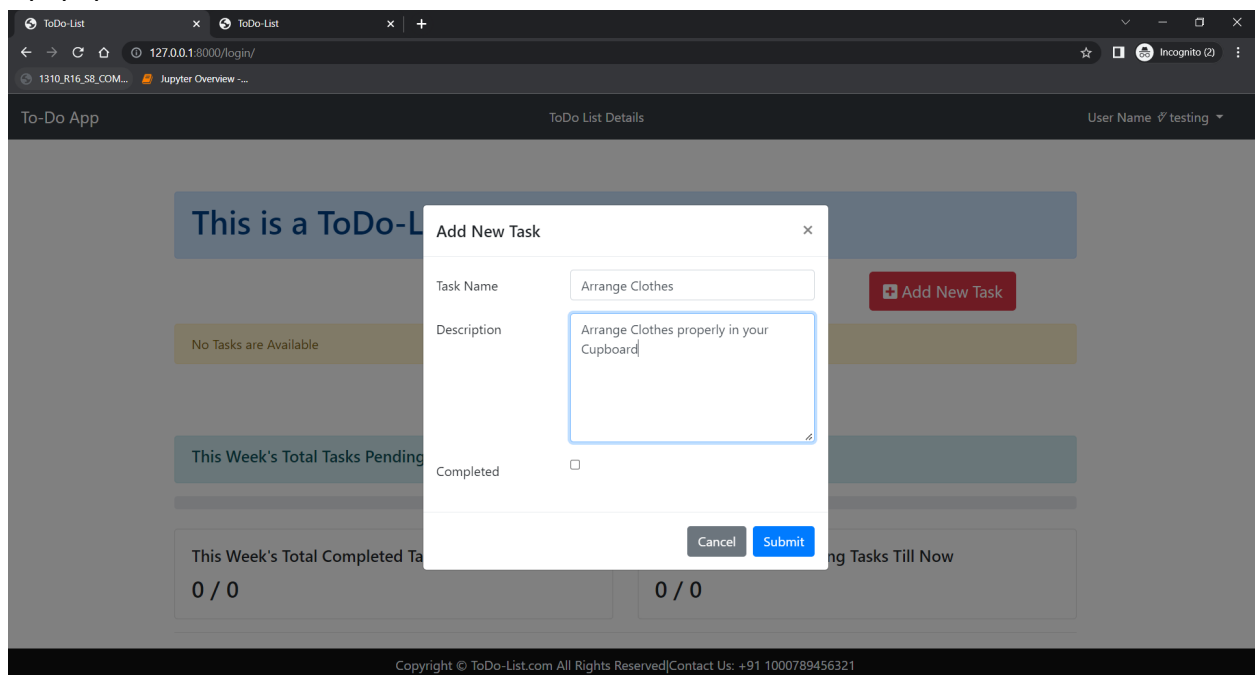
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4.2 To Display All Tasks - After Adding the Tasks we can see all the Tasks Added.
*Note - **Users can See his Todo tasks & they can see total tasks done by him in a week day-wise.**
(i.e This Week's Total Completed Tasks Till Now, This Week's Total Pending Tasks Till Now, Total Completed Tasks Till Now ,Total Pending Tasks Till Now)
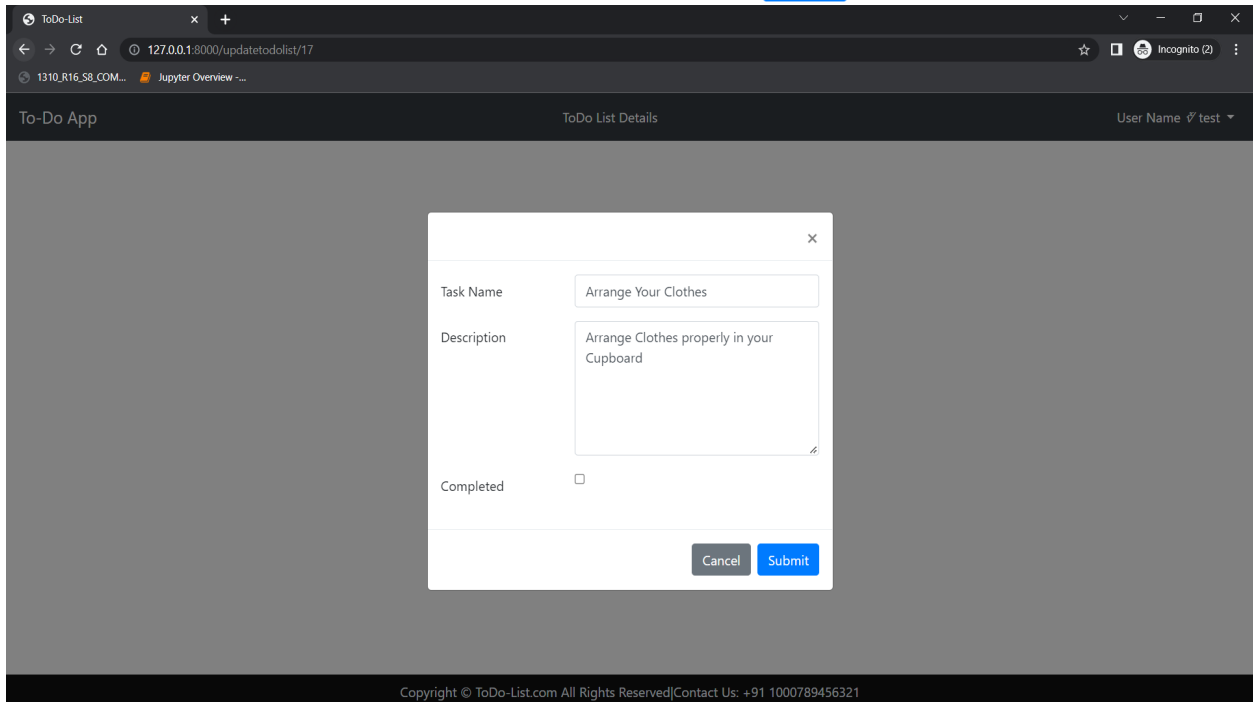
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4.3 To Edit Any Task - Once the User add his tasks then he can set it as Completed or Not(i.e **Users can See his today's Todo tasks & Mark/Update them as done.**) and update the Title or Description for that Task by clicking on Edit Task Button Edit Task

4.4 To Delete Any Task - The User can click on delete button for e.g the "Temp" Task added user can be deleted by clicking on Delete button

Task No	Title	Creted On	Completed	Modify	Delete
1	Go for Walk	April 25, 2022, 8:45 a.m.	🕐	Edit Task	Delete
2	Arrange Your Clothes	April 25, 2022, 8:59 a.m.	🕐	Edit Task	Delete
3	Temp	April 25, 2022, 10:50 a.m.	🕐	Edit Task	Delete
4	Learn new Skill	April 21, 2022, 9:18 a.m.	✔	Edit Task	Delete
5	Pay Bill	April 22, 2022, 4:45 p.m.	✔	Edit Task	Delete
6	Check Messages	April 24, 2022, 10:17 a.m.	✔	Edit Task	Delete

- After Deleting the "**Temp**" Task the the records available now are shown below -

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5)The User can also **Update** its details by clicking on "**User Details**"

- After Clicking to "**User Details**" the user will be redirected to this page and details can be updated

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2. Back-End of ToDo Application
3.

In the **Back-End of this Application** the Primary Key of User is used as a Foreign Key to the Tasks Table

1) **Foreign Key Relation of User** with Task Table in **models.py** File

```python
class Task(models.Model):
    user = models.ForeignKey(User,on_delete=models.CASCADE, null=True, blank=True)
    title = models.CharField(max_length=255)
    description = models.TextField(null=True, blank=True)
    complete = models.BooleanField(default=False)
    createdon = models.DateTimeField(auto_now_add=True)

    def __str__(self):
        return self.title

    class Meta:
        ordering = ['complete']
```
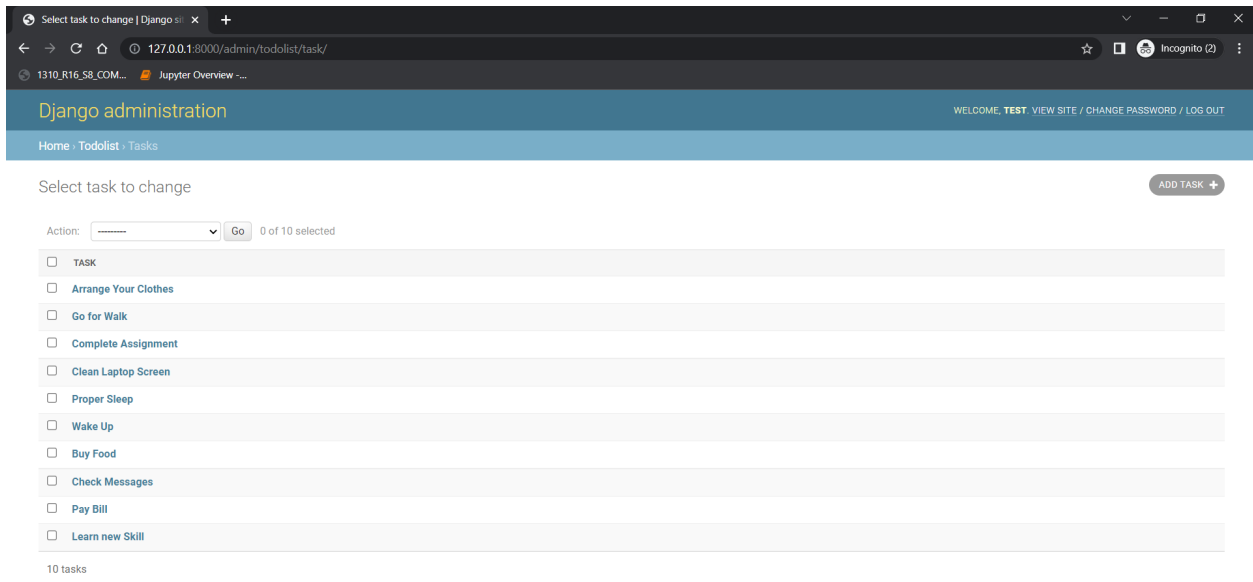
2) **Admin Side** of ToDo App - It contains all the Tables and their relations
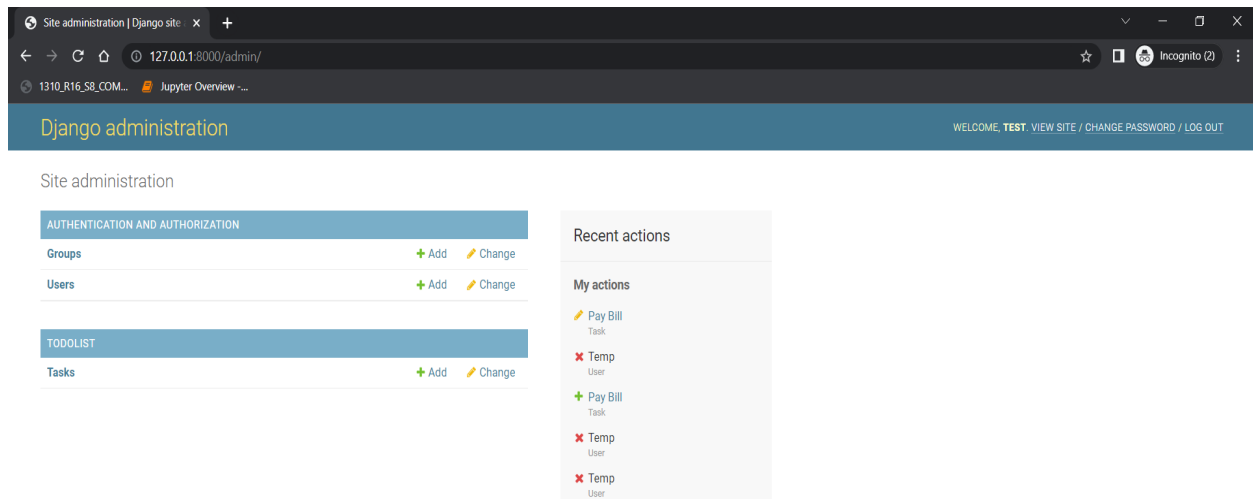
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3) **Data Available in Task Table** - It contains all the data of the different users

4) **Total Users Available** are -
4.1 - Admin having Username - "**test**" , Password - "**1**"
4.2 - Normal User having Username - "**Temp**" , Password - "**Temp@123**"
4.3 - Normal User having Username - "**testing**" , Password - "**Test@123**"