

# Ex02 Django ORM Web Application

**Date: 13-03-2024**

## AIM

To develop a Django application to store and retrieve data from a Book database using Object Relational Mapping(ORM).

## DESIGN STEPS

### STEP 1:

Clone the problem from GitHub

### STEP 2:

Create a new app in Django project

### STEP 3:

Enter the code for admin.py and models.py

### STEP 4:

Execute Django admin and create details for 10 books

## PROGRAM

admin.py

```
from django.contrib import admin
from .models import railway,railwayAdmin
admin.site.register(railway,railwayAdmin)
```



models.py



```
from django.db import models
from django.contrib import admin
class railway (models.Model):
    train_code=models.CharField(max_length=20,help_text="railway train_code")
    train_name=models.CharField(max_length=100)
    start_time=models.IntegerField()
    End_time=models.IntegerField()
    start_station_code=models.IntegerField()
    end_station_code=models.IntegerField()

class railwayAdmin(admin.ModelAdmin):
    list_display=('train_code','train_name','start_time','End_time','start_station_cod
```

## OUTPUT

Django administration

Home > Ormapp > Railways

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

- Groups + Add
- Users + Add

ORMAPP

- Railways + Add

WELCOME, ADMIN VIEW SITE / CHANGE PASSWORD / LOG OUT

The railway "railway object (11)" was added successfully.

Select railway to change

ADD RAILWAY +

Action:  Go 0 of 11 selected

<input type="checkbox"/>	TRAIN CODE	TRAIN NAME	START TIME	END TIME	START STATION CODE	END STATION CODE
<input type="checkbox"/>	5687SGFAJK	CHENNAI EXPRESS	8	15	9	11
<input type="checkbox"/>	HFD456J	ANGA EXPRESS	-12	13	-10	10
<input type="checkbox"/>	FGVB0765	RAJDHANI EXPRESS	12	11	10	9
<input type="checkbox"/>	HJKL5609	SHATABDI EXPRESS	9	7	-7	9
<input type="checkbox"/>	BNM567	UNCHAHAH EXPRESS	8	8	-7	-7
<input type="checkbox"/>	GHJ8960	GARIB EXPRESS	14	-9	14	12
<input type="checkbox"/>	CDS2387	DACHI EXPRESS	-9	9	8	8
<input type="checkbox"/>	FGH234	DURONTO EXPRESS	5	-5	16	16
<input type="checkbox"/>	WASD234	HUMSAFAR EXPRESS	6	-6	8	-8
<input type="checkbox"/>	2345AD	TIRUPATI EXPRESS	-5	5	13	12
<input type="checkbox"/>	2301ABC	DELHI EXPRESS	18	10	26	26

11 railways

## RESULT

Thus the program for creating a database using ORM has been executed successfully