

VIEWS.PY

```
from django.shortcuts import render, redirect
```

```
from .models import Train, Ticket
```

```
from django.utils import timezone
```

```
# Home Page (List of Trains)
```

```
def train_list(request):
```

```
    trains = Train.objects.all() # Fetch all trains
```

```
    return render(request, 'tickets/train_list.html', {'trains': trains})
```

```
# Book Ticket
```

```
def book_ticket(request, train_id):
```

```
    train = Train.objects.get(id=train_id)
```

```
    if request.method == 'POST':
```

```
        passenger_name = request.POST['passenger_name']
```

```
        age = int(request.POST['age']) # Convert age to integer
```

```
        seat_number = int(request.POST['seat_number']) # Convert seat_number to integer
```

```
    # Corrected: Pass the Train instance, not train_id
```

```
    ticket = Ticket.objects.create(
```

```
        train=train, # Pass train instance
```

```
        passenger_name=passenger_name,  
        age=age,  
        seat_number=seat_number,  
        booked_at=timezone.now()  
    )
```

```
    return redirect('ticket_list') # Redirect to booked tickets page
```

```
    return render(request, 'tickets/book_ticket.html', {'train': train})
```

View Booked Tickets

```
def ticket_list(request):  
    tickets = Ticket.objects.all()  
    return render(request, 'tickets/ticket_list.html', {'tickets': tickets})
```

HTML PAGE CODE FOR TRAIN LIST

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
    <meta charset="UTF-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>Train List</title>
```

```
<style>
```

```
    body {  
        font-family: Arial, sans-serif;  
        background-color: #f8f9fa;  
        text-align: center;  
        padding: 20px;  
    }  
    h1 {  
        color: #007bff;  
    }  
    .train-list {  
        max-width: 600px;  
        margin: 0 auto;  
        padding: 20px;  
        background: white;  
        border-radius: 10px;  
        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
    }  
    .train {  
        background: #e9ecef;  
        margin: 10px 0;  
        padding: 15px;  
        border-radius: 5px;  
        transition: transform 0.2s;  
    }  
    .train:hover {  
        transform: scale(1.02);
```

```

        background: #dfe4ea;
    }

    .book-btn {
        display: inline-block;
        margin-top: 10px;
        padding: 8px 15px;
        background: #007bff;
        color: white;
        text-decoration: none;
        border-radius: 5px;
        transition: background 0.3s;
    }

    .book-btn:hover {
        background: #0056b3;
    }

    p {
        font-size: 18px;
        color: #333;
    }
}

</style>
</head>
<body>

<h1>🚂 Available Trains</h1>

<div class="train-list">

    {% if trains %}

        {% for train in trains %}

```

```
<div class="train">

    <p><strong>{{ train.name }}</strong> ({{ train.source }} → {{ train.destination
}})</p>

    <a href="{% url 'book_ticket' train.id %}" class="book-btn">Book Ticket</a>

</div>

{% endfor %}

{% else %}

    <p>No trains available.</p>

{% endif %}

</div>

</body>

</html>
```



Available Trains

Express Train (City A → City B)

Book Ticket



Book Your Ticket

Passenger Name:

gargi

Age:

5

Seat Number:

4

Book Ticket

Booked Tickets

shweta

 Train: Express Train
 Seat: 25

I

 Train: Express Train
 Seat: 5

fg

 Train: Express Train
 Seat: 68

dd

 Train: Express Train
 Seat: 89

f

 Train: Express Train
 Seat: 6

aa

 Train: Express Train
 Seat: 2

gargi

 Train: Express Train
 Seat: 4