<u>Milestone 3 - Booking Workflow & Transaction Management</u>

Milestone 3 Endpoints

1. Create Booking

2. Simulate Booking Payment

Server response

Code	Details

200	**Response body**
	``json
	{
	  "pnr": "Y2OXKWNZ",
	  "status": "PAID"
	}
	``
	Response headers
	``
	content-length: 34
	content-type: application/json
	date: Mon,22 Dec 2025 10:49:10 GMT
	server: uvicorn
	``

Responses

Code	Description
200	Successful Response Media type

3. Cancel Booking

DELETE /api/bookings/{pnr} Cancel Booking

Parameters Cancel

Name	Description
pnr * required string (path)	WKI6IP8B

Execute   Clear

Responses

Curl
```
curl -X 'DELETE' \
  'http://127.0.0.1:8000/api/bookings/WKI6IP8B' \
  -H 'accept: application/json'
```

Request URL
```
http://127.0.0.1:8000/api/bookings/WKI6IP8B
```

Server response

Code	Details

200	Response body
	``json
	{
	  "pnr": "WKI6IP8B",
	  "status": "CANCELLED"
	``

Server response

Code	Details
200	**Response body**

```
{
  "pnr": "WKI6IP8B",
  "status": "CANCELLED"
}
```

Response headers

```
content-length: 39
content-type: application/json
date: Mon,22 Dec 2025 10:51:07 GMT
server: uvicorn
```

Responses

Code	Description
200	Successful Response

pnr * required
string
(path)

WKI6IP8B

Execute	Clear

Responses

Curl

```
curl -X 'DELETE' \
  'http://127.0.0.1:8000/api/bookings/WKI6IP8B' \
  -H 'accept: application/json'
```

Request URL

```
http://127.0.0.1:8000/api/bookings/WKI6IP8B
```

Server response

Code	Details
200	**Response body**

```
{
  "message": "Booking already cancelled"
}
```

Response headers

```
content-length: 39
content-type: application/json
```

4. Get Booking History By PNR

GET `/api/bookings/{pnr}` Get Booking By Pnr

Parameters

Cancel

Name	Description
pnr * required string *(path)*	Y2OXKWNZ

Execute | Clear

Responses

Curl

```
curl -X 'GET' \
  'http://127.0.0.1:8000/api/bookings/Y2OXKWNZ' \
  -H 'accept: application/json'
```

Request URL

```
http://127.0.0.1:8000/api/bookings/Y2OXKWNZ
```

Server response

Code	Details
200	Response body { "pnr": "Y2OXKWNZ", "flight_id": 4,

Server response

Code	Details

200	**Response body**
	
	``{
	  "pnr": "Y2OXKWNZ",
	  "flight_id": 4,
	  "passenger_name": "Vijay",
	  "seat_no": "3E",
	  "price": 6035,
	  "status": "PAID"
	}```
	
	Response headers
	
	``content-length: 103
	content-type: application/json
	date: Mon,22 Dec 2025 10:54:55 GMT
	server: uvicorn```

Responses

Code	Description

5. Get All Bookings History

GET /api/bookings Get All Bookings

Parameters   Cancel

No parameters

| Execute | Clear |

Responses

Curl

```
curl -X 'GET' \
  'http://127.0.0.1:8000/api/bookings' \
  -H 'accept: application/json'
```

Request URL

```
http://127.0.0.1:8000/api/bookings
```

Server response

Code	Details
200	Response body

```
[
  {
    "pnr": "SNTR171U",
    "flight_id": 2,
    "passenger_name": "Arun",
    "seat_no": "4C",
    "price": 6510,
    "status": "PAYMENT_FAILED"
  },
  {
```

Code	Details
200	Response body

```
{
  "pnr": "AND5IO91",
  "flight_id": 2,
  "passenger_name": "Arun",
  "seat_no": "2",
  "price": 4960,
  "status": "CANCELLED"
},
{
  "pnr": "FA4W2DXX",
  "flight_id": 2,
  "passenger_name": "Arun",
  "seat_no": "4C",
  "price": 4960,
  "status": "CONFIRMED"
},
{
  "pnr": "A53OTKZD",
  "flight_id": 2,
  "passenger_name": "Arun",
  "seat_no": "4C",
  "price": 5270,
  "status": "CONFIRMED"
},
{
  "pnr": "JKR5FPBR",
  "flight_id": 5,
  "passenger_name": "Ramesh",
```
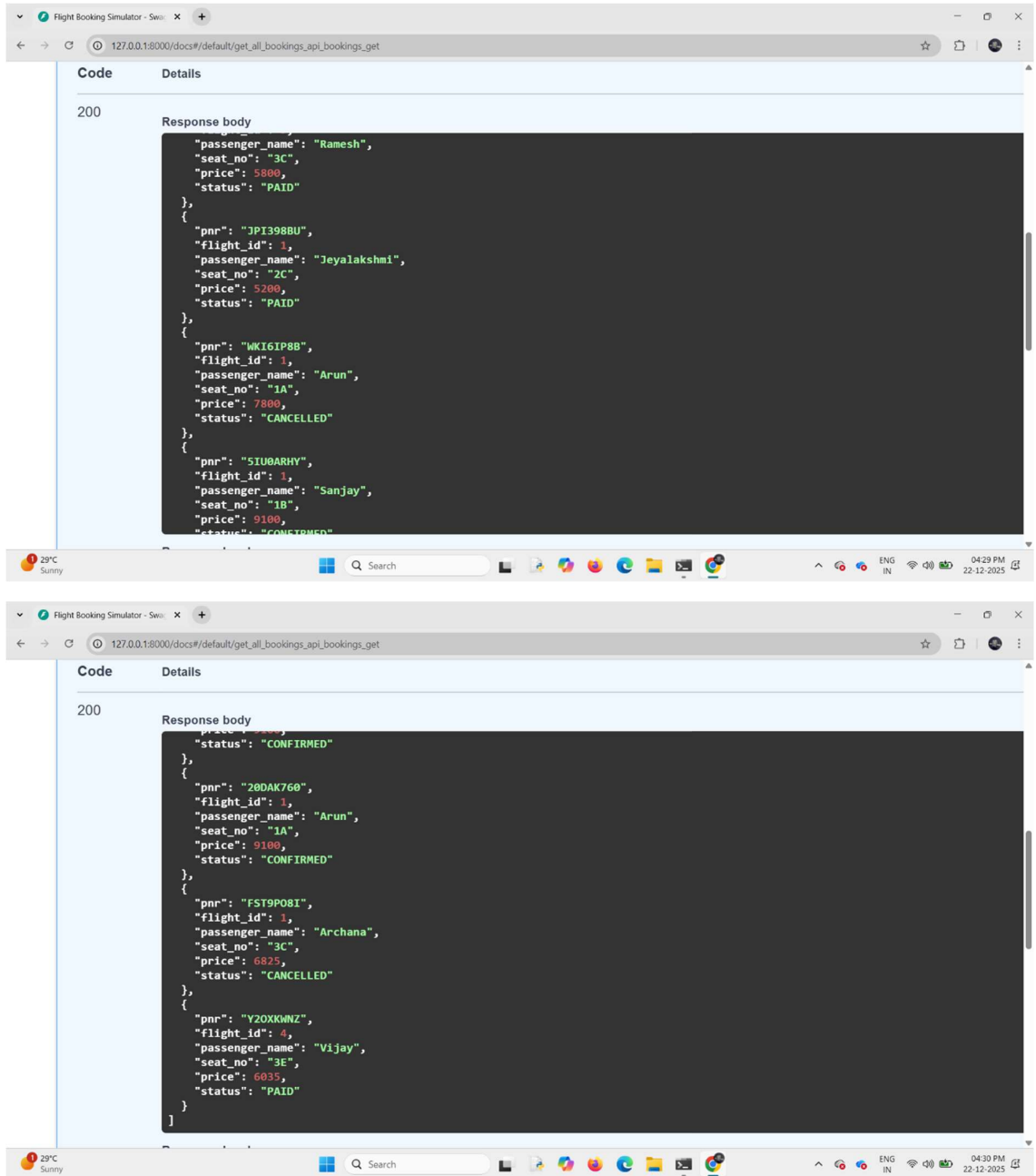
Terminal Output:

```
Microsoft Windows [Version 10.0.26200.7462]
(c) Microsoft Corporation. All rights reserved.

E:\ARUN\flight-booking-m1>backend\venv\scripts\activate

(venv) E:\ARUN\flight-booking-m1>uvicorn backend.main:app --reload
INFO:     Will watch for changes in these directories: ['E:\\ARUN\\flight-booking-m1']
INFO:     Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO:     Started reloader process [7220] using StatReload
INFO:     Started server process [16628]
INFO:     Waiting for application startup.
INFO:     Application startup complete.
INFO:     127.0.0.1:65460 - "GET /docs HTTP/1.1" 200 OK
INFO:     127.0.0.1:65460 - "GET /openapi.json HTTP/1.1" 200 OK
INFO:     127.0.0.1:56554 - "POST /api/bookings HTTP/1.1" 200 OK
INFO:     127.0.0.1:54791 - "GET /api/bookings HTTP/1.1" 200 OK
INFO:     127.0.0.1:53338 - "POST /api/bookings/Y2OXKWWNZ/pay HTTP/1.1" 200 OK
INFO:     127.0.0.1:63851 - "DELETE /api/bookings/WKI6IP8B HTTP/1.1" 200 OK
INFO:     127.0.0.1:50759 - "DELETE /api/bookings/WKI6IP8B HTTP/1.1" 200 OK
INFO:     127.0.0.1:61140 - "GET /api/bookings/Y2OXKWWNZ HTTP/1.1" 200 OK
INFO:     127.0.0.1:58987 - "GET /api/bookings/Y2OXKW HTTP/1.1" 404 Not Found
INFO:     127.0.0.1:62226 - "GET /api/bookings HTTP/1.1" 200 OK
```