

# SPAPK PROJECT 01 : Travel Booking System

C++ Based Project on Booking Management System

Team Name: Tech Squad

Members: Harshita Parsendiya, Priyank Mundel,  
Gracy Mathur

College: MBM University, Jodhpur

# Project Goal

- Create, update, and delete bookings
- Store all data in a file (bookings.txt)
- Manage bookings using C++ class

# Project Explanation

- Each booking includes:
  - - Passenger Name
  - - Phone Number
  - - Destination
  - - Seat Number
  - - Booking ID
- All bookings are stored in a file

# Tasks Performed

- Add a new booking (with validation)
- Edit existing booking (by ID)
- Cancel booking (by ID)
- Display all bookings

# Code Highlights

- Class: Booking
- Key functions:
  - - inputDetails(), saveToFile()
  - - editBooking(), cancelBooking()
- Validation for name, age, phone number, destination

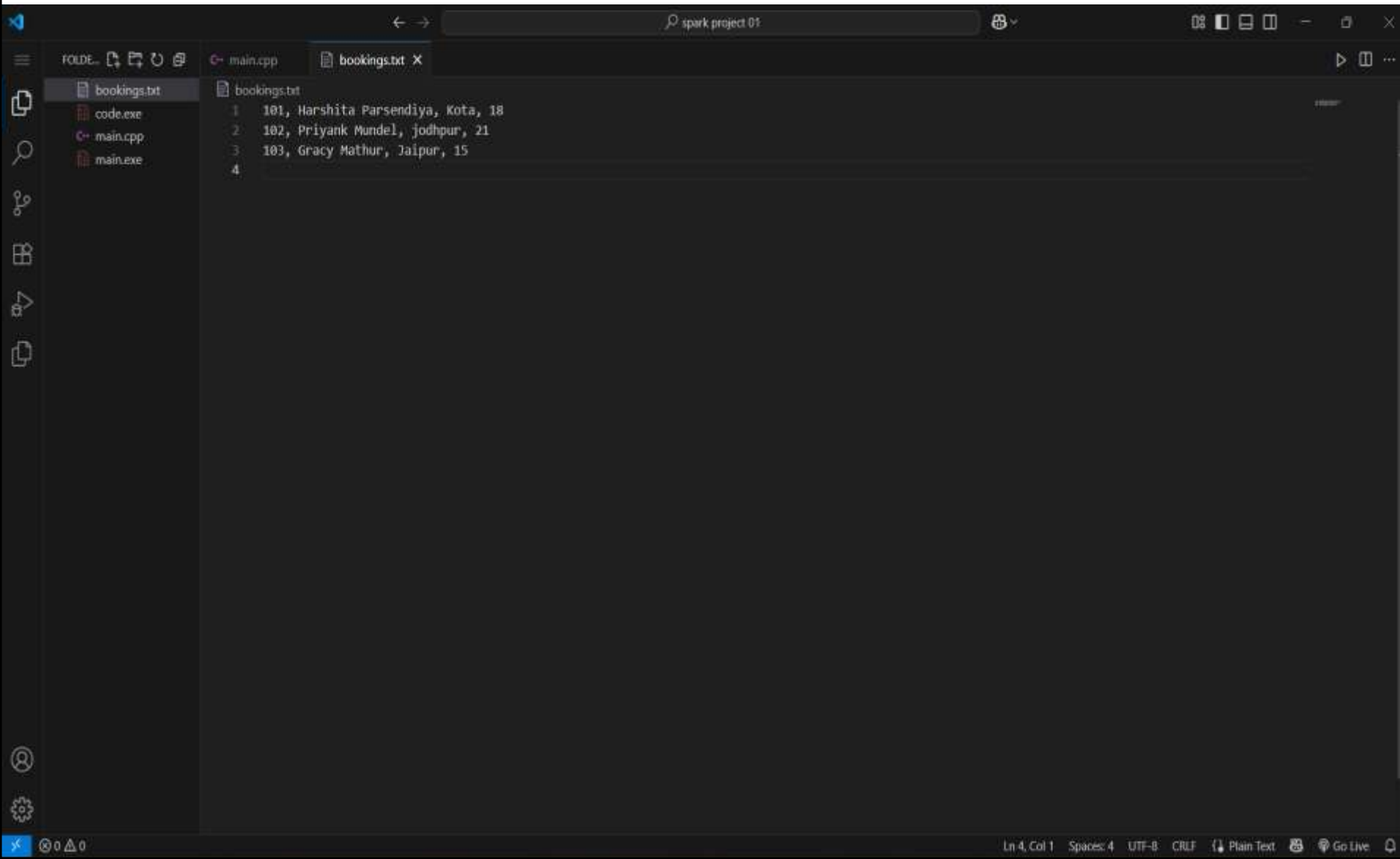
# File Handling

- Bookings stored in bookings.txt
- Edit/Delete using temp.txt as intermediate file
- Read/write with fstream (ifstream/ofstream)

# Sample Booking Data

- 101, Harshita Parsendiya, Kota, 18
- 102, Priyank Mundel, jodhpur, 21
- 103, Gracy Mathur, Jaipur, 15
- (Each line: BookingID, Name, Destination, SeatNo)

## Screenshot Sample Booking Data



The screenshot shows a code editor interface with a dark theme. The left sidebar displays a file explorer with the following files: `bookings.txt`, `code.exe`, `main.cpp`, and `main.exe`. The main editor area has two tabs: `main.cpp` and `bookings.txt`. The `bookings.txt` tab is active, showing the following content:

```
1 101, Harshita Parsendiya, Kota, 18
2 102, Priyank Mundel, Jodhpur, 21
3 103, Gracy Mathur, Jaipur, 15
4
```

The status bar at the bottom indicates the current position is Line 4, Column 1, with 4 spaces, using UTF-8 encoding with CRLF line endings, in Plain Text format. The Go Live button is also visible.



# Conclusion

- Learnt C++ basics, file handling, OOPs
- Created a real-world console application
- Can be extended to GUI or web app in future