```
PS C:\Users\kshit\OneDrive\Desktop\Codes\C++> g++ technical_task.cpp
PS C:\Users\kshit\OneDrive\Desktop\Codes\C++> ./a
Welcome to Smart Event Manager

Select role:
1. Admin
2. Guest
3. Exit
Choice: 1
Enter admin password: admin@123
Γ¥î Wrong password. Returning to role selection.

Select role:
1. Admin
2. Guest
3. Exit
Choice: 1
Enter admin password: admin123
Γ£à Admin login successful.

===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 1
Event name: Hackathon
Date (DD-MM-YYYY): 20-08-2025
Time (HH:MM): 10:00
Type: Technical
Location (optional): pccoe
Γ£à Event added with ID 1.
```

```
===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 1
Event name: CESA-round1
Date (DD-MM-YYYY): 30-02-2025
Γ¥î Invalid date! Please enter again.
Date (DD-MM-YYYY): 28-02-2025
Time (HH:MM): 11:00
Type: interveiw
Location (optional):
Γ£à Event added with ID 2.

===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 1
Event name: CESA-II
Date (DD-MM-YYYY): 29-02-2028
Time (HH:MM): 15:00
Type: interveiw
Location (optional): pccoe-hall
Γ£à Event added with ID 3.
```

```
===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 1
Event name: Workshop
Date (DD-MM-YYYY): 21-08-2025
Time (HH:MM): 14:00
Type: Academic
Location (optional):
Γ£à Event added with ID 4.

===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 2

≡ƒôî All Events:
============================================================
ID: 1 | Hackathon | 20-08-2025 10:00 | Technical | pccoe
ID: 4 | Workshop | 21-08-2025 14:00 | Academic
ID: 2 | CESA-round1 | 28-02-2025 11:00 | interveiw
ID: 3 | CESA-II | 29-02-2028 15:00 | interveiw | pccoe-hall
```

```
===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 3
Search keyword (name/type): academic

≡ƒöÄ Search Results:
======================================
ID: 4 | Workshop | 21-08-2025 14:00 | Academic

===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 3
Search keyword (name/type): hackathon

≡ƒöÄ Search Results:
======================================
ID: 1 | Hackathon | 20-08-2025 10:00 | Technical
```

```
===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 3
Search keyword (name/type): sports

≡ƒöÄ Search Results:
========================================
No events found for 'sports'.

===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 5
Enter event ID to delete: 2
≡ƒùæ Event deleted.
```

```
===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 6

≡ƒôè Events by Type:
interveiw : 1
Academic : 1
Technical : 1

===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 7
≡ƒôä Report saved to report.txt
```

```
===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 8
Enter date (DD-MM-YYYY): 29-02-2025
Г¥î Invalid date entered.

===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 8
Enter date (DD-MM-YYYY): 29-02-2028

≡ƒôà Events on 29-02-2028:
==========================================
ID: 3 | CESA-II  | 15:00 | interveiw | pccoe-hall
```

```
===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 9
Today's date: 17-08-2025
No events for 17-08-2025.

===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 10
Enter date to send reminders for (DD-MM-YYYY): 20-08-2025

Simulating reminders for events on 20-08-2025:
- Reminder: 'Hackathon' at 10:00 (Technical)
Γƒà Reminders simulated (printed to console).
```

```
===== ADMIN MENU =====
1. Add Event
2. View All Events
3. Search Events
4. Edit Event
5. Delete Event
6. Summary by Type
7. Export Report
8. Day View (specific date)
9. Today's Events
10. Send Reminders (CLI)
11. Logout
Choice: 11
Logging out of admin.

Select role:
1. Admin
2. Guest
3. Exit
Choice: 2
Guest mode activated.

===== GUEST MENU =====
1. View All Events
2. Search Events
3. Day View (specific date)
4. Today's Events
5. Exit to role selection
Choice: 1

≡ƒôî All Events:
===========================================================
ID: 1 | Hackathon | 20-08-2025 10:00 | Technical | pccoe
ID: 4 | Workshop  | 21-08-2025 14:00 | Academic
ID: 3 | CESA-II   | 29-02-2028 15:00 | interveiw | pccoe-hall
```

```
===== GUEST MENU =====
1. View All Events
2. Search Events
3. Day View (specific date)
4. Today's Events
5. Exit to role selection
Choice: 2
Search keyword (name/type): cesa-II

≡ƒöÄ Search Results:
=====================================
ID: 3 | CESA-II  | 29-02-2028 15:00 | interveiw

===== GUEST MENU =====
1. View All Events
2. Search Events
3. Day View (specific date)
4. Today's Events
5. Exit to role selection
Choice: 3
Enter date (DD-MM-YYYY): 20-08-2025

≡ƒôà Events on 20-08-2025:
=====================================
ID: 1 | Hackathon | 10:00 | Technical | pccoe

===== GUEST MENU =====
1. View All Events
2. Search Events
3. Day View (specific date)
4. Today's Events
5. Exit to role selection
Choice: 5

Select role:
1. Admin
2. Guest
3. Exit
Choice: 3
Exiting... Saving data.
PS C:\Users\kshit\OneDrive\Desktop\Codes\C++>
```

Text FIles:-

Events.txt

```
1|Hackathon|20-08-2025|10:00|Technical|pccoe
3|CESA-II |29-02-2028|15:00|interveiw|pccoe-hall
4|Workshop|21-08-2025|14:00|Academic|
```

Report.txt

```
Event Report
============
ID: 1 | Hackathon | 20-08-2025 10:00 | Technical | pccoe
ID: 4 | Workshop | 21-08-2025 14:00 | Academic
ID: 3 | CESA-II  | 29-02-2028 15:00 | interveiw | pccoe-hall
```