

Smart Event Manager Documentation

This is a collection of output representations of the code belonging to remote repository <https://github.com/DanishSayyad/Smart-Event-Manager.git>. (Danish Sayyad, Comp-B) Though many edge cases and validations are covered in the code, I will showcase the normal working flow of the program:

1. Initial menu: We can either Login, Signup or exit the code from here.

```
--- Smart Event Manager ---
1. Login
2. Signup
3. Exit
Enter choice: |
```

Signup: This will take information, check duplication and create a user record in users.csv, proceeding back to previous menu.

```
User Sign Up
Enter name: Sneha Attarde
Enter username: sneha320
Enter email: sneha.attarde24@pccoepune.org
Enter password: snehaPass
Are you an admin? (y/n): y
User created successfully! Press Enter to continue...
|
```

| | A | B | C | D | E |
|---|------------|-----------|------------|-----------|-------|
| 1 | name | username | email | password | admin |
| 2 | Danish Say | danish100 | danish.say | DanishAdn | 1 |
| 3 | Jayvardhar | jay315 | jayvardhar | JayNormal | 0 |
| 4 | Janvi Maha | janvi051 | janvi.maha | JanviNorm | 0 |
| 5 | Khushi Duc | khushi102 | khushi.dud | khushilol | 0 |
| 6 | Sneha Atta | sneha320 | sneha.atta | snehaPass | 1 |

Login: Entering username and password here will look at the database to determine whether we are admin or a real user. Let's look at both of them:

Normal user login:

```
User Login
Enter username: khushi102
Enter password: khushilol|
```

```
Hello Khushi Dudhalkar! Press Enter to start session...
|
```

```
1. View Events
2. View All Events
3. Refresh Events
4. Check Mails
5. Logout
Enter choice: |
```

We can:

- a. View OUR upcoming events
- b. View ALL OUR upcoming events
- c. Refresh page in case a simultaneous admin session is live
- d. Check out mails for event updates

A choice validated menu appears for the normal user. Now let's have a look at how an admin menu appears like. We can (5) Logout to return to the previous menu.

Admin login:

```
1. Add Event
2. Display All Events
3. View Events
4. Edit Event
5. Delete Event
6. Search Event
7. Remind Attendees
8. Check Mails
9. Logout
Enter choice: |
```

This is when we login through our newly created sneha account.

We can:

- a. Add Event with conflict resolving
- b. Display all the events in order
- c. View event (both Today and Date wise)
- d. Edit existing event with conflict resolving
- e. Delete element by id
- f. Search element by name (case insensitive)
- g. Send emails to all participants about upcoming events
- h. Check out our own mailbox
- i. Logout

Adding events: This takes from us the event info, looks for duplicates and timing conflicts and finally generates an ID for our event.

```
--- Add Event ---
Enter event name: Cyber Dahihandi
Enter event type: Sports
Enter event location: Reading Hall
Enter event duration (in hours): 2
Enter event date (DD/MM/YYYY): 18/08/2025
Enter event time (HH:MM): 18:00

Attendees:
None
1. Add attendee
2. Remove attendee
3. Stop
Enter choice: 1
Enter attendee username to add: danish100

Attendees:
Danish Sayyad
1. Add attendee
2. Remove attendee
3. Stop
Enter choice: 1
Enter attendee username to add: jay315

Attendees:
Danish Sayyad, Jayvardhan Gaikwad
1. Add attendee
2. Remove attendee
3. Stop
Enter choice: 3|
```

The attendee menu appears as well to keep adding/removing attendees as the admin pleases.

Displaying all events: This will display all the events for the organization, regardless of participation of admin.

```
--- All Events ---  
  
ID: E5  
18/08/2025: 18:00  
Event: Cyber Dahihandi (Sports)  
By: Danish Sayyad, Jayvardhan Gaikwad  
  
ID: E4  
19/08/2025: 5:00  
Event: Nature Tour (Feild Trip)  
By: Jayvardhan Gaikwad  
  
ID: E1  
20/08/2025: 16:00  
Event: Learn AI (Workshop)  
By: Danish Sayyad, Janvi Maharnawar  
  
ID: E2  
21/08/2025: 10:00  
Event: Datathon (Competition)  
By: Janvi Maharnawar, Khushi Dudhalkar
```

This is by default arranged in chronological order.

Viewing events: This as discussed earlier, let's us view events for today or for a custom date.

Today's events:

```
--- View Events ---
1. View Today's Events
2. View Events for a Date
Enter choice: 1

--- Events on 18/08/2025 ---

ID: E5
18/08/2025: 18:00
Event: Cyber Dahihandi (Sports)
By: Danish Sayyad, Jayvardhan Gaikwad

Press Enter to continue...|
```

Date events: Let's pick 19/08/2025

```
--- View Events ---
1. View Today's Events
2. View Events for a Date
Enter choice: 2
Enter date (DD/MM/YYYY): 19/08/2025

--- Events on 19/08/2025 ---

ID: E4
19/08/2025: 5:00
Event: Nature Tour (Feild Trip)
By: Jayvardhan Gaikwad

Press Enter to continue...|
```

Editing event: We can enter the id of element to edit which if found, is edited and is mindful of conflicting other event slots. We can edit ANY FIELD of the event.

```
Enter id of event to edit: E2

--- Editing Event ---

ID: E2
21/08/2025: 10:00
Event: Datathon (Competition)
By: Janvi Maharnawar, Khushi Dudhalkar

1. Name
2. Type
3. Location
4. Duration
5. Date
6. Time
7. Attendees
8. Done
Enter choice: |
```

Here, options 1-3 simply overwrite the information while options 4-6 check whether we conflict with other time slots. Option 7 is the same attendee manager we used while adding an event.

Deleting event: We provide the id of element to be deleted which if found, is deleted.

```
Enter event id to be deleted: E5
Event with ID E5 deleted successfully.

Press Enter to continue...|
```

```
--- All Events ---

ID: E4
19/08/2025: 5:00
Event: Nature Tour (Feild Trip)
By: Jayvardhan Gaikwad

ID: E1
20/08/2025: 16:00
Event: Learn AI (Workshop)
By: Danish Sayyad, Janvi Maharnawar

ID: E2
21/08/2025: 10:00
Event: Datathon (Competition)
By: Janvi Maharnawar, Khushi Dudhalkar

Press Enter to continue...|
```

Searching event: We can search among events with little keywords:

```
Enter keyword: AI

ID: E1
20/08/2025: 16:00
Event: Learn AI (Workshop)
By: Danish Sayyad, Janvi Maharnawar

Press Enter to continue...
```

Remind others: This will send mails to all the attendees who will be having events scheduled.

```
5 reminder mails saved.

Press Enter to continue...|
```

Checking Mail: We can check the mail which were updated on mails.csv.

```
1. Add Event
2. Display All Events
3. View Events
4. Edit Event
5. Delete Event
6. Search Event
7. Remind Attendees
8. Check Mails
9. Logout
Enter choice: 8

Press Enter to continue...|
```

In this case, the sneha user doesn't have any mails as she didn't participate in any events as attendee. We will soon see an account which has mails arrived.

User Side Menu:

Let's explore account of Jayvardhan Gaikwad


```
1. View Events
2. View All Events
3. Refresh Events
4. Check Mails
5. Logout
Enter choice: |
```

Viewing events: As discussed, this lets us view events which are only being attended by us.

```
--- View Events ---
1. View Today's Events
2. View Events for a Date
Enter choice: 1
No events found on 18/08/2025

Press Enter to continue...|
```

Here, Jayvardhan doesn't take part in any event that's being held today. Let's look at a date.

```
--- View Events ---
1. View Today's Events
2. View Events for a Date
Enter choice: 2
Enter date (DD/MM/YYYY): 19/08/2025

--- Events on 19/08/2025 ---

ID: E4
19/08/2025: 5:00
Event: Nature Tour (Feild Trip)
By: Jayvardhan Gaikwad

Press Enter to continue...|
```

Here, Jayvardhan Gaikwad is attending these events on 19th August.

Viewing all events: This is the same as the admin one except this lets us see every event we are associated to. But before that, let me add one more event for Jayvardhan as admin.

```
--- All Events ---  
  
ID: E4  
19/08/2025: 5:00  
Event: Nature Tour (Feild Trip)  
By: Jayvardhan Gaikwad  
  
ID: E4  
23/08/2025: 11:00  
Event: Event For Jayvardhan (Fun)  
By: Danish Sayyad, Jayvardhan Gaikwad  
  
Press Enter to continue...|
```

Refreshing events: This will refresh the events data, will not show any visual signs.

Checking mails: Uptil now, the admins sent everyone mails twice. One with Danish account and one with Sneha account. The resultant mailbox will look like this:

```
--- Mail ---  
Date: 18/08/2025 Time: 05:50  
From: Smart Event Manager  
Subject: Reminder: Nature Tour on 19/08/2025 at 5:00  
Body:  
Hello Jayvardhan Gaikwad,  
  
This is a reminder for your upcoming event:  
  
Event: Nature Tour  
Type: Feild Trip  
Date: 19/08/2025  
Time: 5:00  
Location: Bhakti Shakti  
  
Regards,  
Smart Event Manager  
  
--- Mail ---  
Date: 18/08/2025 Time: 03:04  
From: Smart Event Manager  
Subject: Reminder: Nature Tour on 19/08/2025 at 5:00  
Body:  
Hello Jayvardhan Gaikwad,  
  
This is a reminder for your upcoming event:  
  
Event: Nature Tour  
Type: Feild Trip  
Date: 19/08/2025  
Time: 5:00  
Location: Bhakti Shakti  
  
Regards,  
Smart Event Manager  
  
Press Enter to continue...|
```