created by bisat19

The problem:

An event organizer had difficulty carrying out his duties in handling the shows he initiated, for this reason he wanted to create an easy program to help organize his work. The program he develops must contain information about sponsors, performances, VIP guests and shows. Firstly, sponsors must at least be able to display and organize information regarding the name of the sponsor, how much money the sponsor spends on a performance or show, and whether the sponsor is still available to request funds. Second, the performance, in the program that is developed, must be able to display and organize information regarding the name of the performance, the genre the performance is presented in, the price that the event organizer must pay when inviting it and also whether the performance is still available for a show. Next are VIP guests, the program must be able to display and edit information regarding guest names, addresses, telephone numbers, as well as the number of VIP guests owned by the event organizer. Finally, the show created must be able to organize and display the show ID, where the last number of the show ID is the number of performances appearing, and the second last number of the show ID multiplied by 1000 shows the number of spectators or visitors who can attend the event. Furthermore, the program must be able to display and manage the show name, show location, show ticket price, show date, show duration, maximum audience, maximum performance, number of performances appearing, number of sponsors (the maximum in an event handled by the event organizer can only be 10 sponsors), as well as VIP guests who attended the event. The program must also be able to print all the names of sponsors in a show, and print all the names of performances in a show, as well as print financial estimates for a show, and print complete information about a show.

UML:

Performance

- namaPerformance: string
- genrePerformance: string
- hargaPerformance: int
- tersedia: boolean

+ Performance()
+ Performance(namaPerformance: string, genrePerformance: string, hargaPerformance: int)
+ getNamaPerformance(): string
+ getGenrePerfomance(): string
+ getHargaPerformance(): int
+ getTersedia(): boolean
+ setNamaPerformance(namaPerformance: string): void
+ setGenrePerformance(genrePerformance: string): void
+ setHargaPerformance(hargaPerformance: int): void

Sponsor

- namaSponsor: string
- pengeluaranSponsor: int
- tersedia: boolean

+ Sponsor()
+ Sponsor(namaSponsor: string, pengeluaranSponsor: int)
+ getNamaSponsor(): string
+ getPengeluaranSponsor(): int
+ getTersedia(): boolean
+ setNamaSponsor(namaSponsor: string): void
+ setPengeluaranSponsor(pengeluaranSponsor: int): void

TamuVIP

- nama: string
- nomorHp: string
- alamat: string
- banyakTamuVIP: int

+ TamuVIP()
+ TamuVIP(nama: string, nomorHp: string, alamat: string)
+ getNama(): string
+ getNomorHp(): string
+ getAlamat(): string
+ getBanyakTamuVIP(): int
+ setNama(nama: string): void
+ setNomorHp(nomorHp: string): void
+ setAlamat(alamat: string): void

Show

- showId: string
- namaShow: string
- lokasiShow: string
- hargaTiketShow: int
- tanggalShow: string
- durasiShow: double
- maxPenonton: int
- maxPerformance: int
- jumlahSewaPerformance: int
- sewaPerformance: Performance
- jumlahSponsor: int
- dapatSponsor: Sponsor
- tamuVIP: TamuVIP
- banyakShow: int

+ Show()
+ Show(showId: string, namaShow: string, lokasiShow: string, hargaTiketShow: int, tanggalShow: string, durasiShow: double, tamuVIP: TamuVIP)
+ getShowId(): string
+ getNamaShow(): string
+ getLokasiShow(): string
+ getTanggalShow():string
+ getDurasiShow(): double
+ getMaxPenonton(): int
+ getMaxPerformance(): int
+ getJumlahSponsor(): int
+ getBanyakShow(): int
+ getKeuntungan(): int
+ getTamuVIP(): TamuVIP
+ setShowId(showId: string): void
+ setNamaShow(namaShow: string): void
+ setLokasiShow(lokasiShow: string): void
+ setTanggalShow(tanggalShow: string): void
+ setDurasiShow(durasiShow: string): void
+ setMaxPenonton(showId: string): void
+ setMaxPerformance(showId: string): void
+ setTamuVIP(tamuVIP: TamuVIP): void
+ sewaPerformance(performance Performance): void
+ dapatSponsor(sponsor: Sponsor): void
+ cetakNamaPerformance(): Performance
+ cetakNamaSponsor(): Sponsor
+ cetakFinancial(): int
+ cetak(): string

1..* —tampil— 1

mendanai

0..10

1 ——datang—— 1