Performer ({PER_ID, PER_NAME, PER_LAST_NAME, PER_ARTIST_NAME, PER_MUSIC_TYPE, PER_MANAGER_EMAIL},
{PER_ID})

Event ({EVT_ID, EVT_NAME, EVT_START_DATE, EVT_END_DATE, EVT_LOCATION, EVT_SUP_ID},
{EVT_ID})

Event[EVT_SUP_ID] $\subseteq$ Event[EVT_ID]

Event[EVT_ID] $\subseteq$ Event[EVT_SUP_ID]

dom(Event, EVT_SUP_ID) $\subseteq$ dom(Event, EVT_ID)

Null(Event, EVT_SUP_ID) = T

Stage ({STG_ID, STG_NAME, STG_CAPACITY, STG_LOCATION, EVT_ID},
{EVT_ID + STG_ID})

Stage[EVT_ID] $\subseteq$ Event[EVT_ID]

Performs ({PRF_DATE, PRF_START_TIME, PRF_END_TIME, EVT_ID, STG_ID, PER_ID},
{EVT_ID + STG_ID + PER_ID})

Performs[EVT_ID + STG_ID] $\subseteq$ Stage[EVT_ID + STG_ID]

Performs[PER_ID] $\subseteq$ Performer[PER_ID]

Performer[PER_ID] $\subseteq$ Performs[PER_ID]

Attendee ({ATD_ID, ATD_EMAIL, ATD_NAME, ATD_LASTNAME, ATD_PHONE_NUMBER},
{ATD_ID})

TicketType ({TTY_ID, TTY_TYPE, TTY_QUANTITY, EVT_ID},
{TTY_ID})

TicketType[EVT_ID] $\subseteq$ Event[EVT_ID]

Null(TicketType, EVT_ID) = $\perp$

Ticket ({TCK_ID, TCK_PRICE, TTY_ID},
{TCK_ID})

Ticket[TTY_ID] $\subseteq$ TicketType[TTY_ID]

Null(Ticket, TTY_ID) = $\perp$

Purchase ({PCH_ID, PCH_DATE, TCK_ID, ATD_ID, EVT_ID},
           {PCH_ID + TCK_ID + ATD_ID})

$$Purchase[TCK\_ID] \subseteq Ticket[TCK\_ID]$$

$$Ticket[TCK\_ID] \subseteq Purchase[TCK\_ID]$$

$$Purchase[ATD\_ID] \subseteq Attendee[ATD\_ID]$$

$$Purchase[EVT\_ID] \subseteq Event[EVT\_ID]$$

VIPArea ({VIP_ID, VIP_NAME, VIP_CAPACITY},
          {VIP_ID})

Discount ({DSC_ID, DSC_TYPE, DSC_PERCENTAGE, DSC_VALIDITY},
           {DSC_ID})

VIPTicket ({TTY_ID, VIP_ID},
            {TTY_ID})

$$VIPTicket[TTY\_ID] \subseteq TicketType[TTY\_ID]$$

$$VIPTicket[VIP\_ID] \subseteq VIPArea[VIP\_ID]$$

$$Null(VIPTicket, VIP\_ID) = \perp$$

GAPlusTicket ({TTY_ID, DSC_ID},
               {TTY_ID})

$$GAPlusTicket[TTY\_ID] \subseteq TicketType[TTY\_ID]$$

$$GAPlusTicket[DSC\_ID] \subseteq Discount[DSC\_ID]$$

$$Null(GAPlusTicket, DSC\_ID) = \perp$$

$$GAPlusTicket[TTY\_ID] \cap VIPTicket[TTY\_ID] = \emptyset$$