

## Constraints

### Attribute constraints

Ticket ID must be a positive integer.	Static constraint
Ticket Order_Number can be NULL.	static constraint
TicketCategory default value is "A".	static constraint
OrderNumber must be a positive integer.	static constraint
OrderDate must be before or equal to current date.	static constraint
OrderDate must include the date and the time (dd/mm/yyyy hh:mm).	static constraint
PaymentStatus must be in {"Paid", "Not Paid", "Pending"}	static constraint
PaymentType must be in {"Bank Transfer", "VISA", "Mastercard", "Maestro", "American Express", "Paypal"}	static constraint
EventNr must be a positive integer.	static constraint
EventCategory must be in { "Cinema & Theatre", "Concerts & Shows", "Sports", "Family", "Expositions" }	static constraint
Event Description include maximum 6000 characters (to fit on two A4 pages).	static constraint
E_Location must consist on street, house number (incl. stair, floor, apartment, ...), Postcode, City, State/Country	static constraint
E_Date must be later than current date.	static constraint
E_Date must include the date and the time (dd/mm/yyyy hh:mm).	static constraint

filePath can be NULL.	static constraint
A_mail must have the following format: <i>username@domain.extension</i>	static constraint
A_Password must be at least 8 characters long.	static constraint
O_mail must have the following format: <i>username@domain.extension</i>	static constraint
O_PhoneNr format must be <i>+prefix_phone number</i>	static constraint
O_Password must be at least 8 characters long.	static constraint
O_Address must consist on street, house number (incl. stair, floor, apartment, ...), Postcode, City, State/Country	static constraint
C_mail must have the following format: <i>username@domain.extension</i>	static constraint
C_PhoneNr format must be <i>+prefix_phone number</i>	static constraint
C_Password must be at least 8 characters long.	static constraint
Customer Status must be in {"Active", "Disabled"}	static constraint
C_Address must consist on street, house number (incl. stair, floor, apartment, ...), Postcode, City, State/Country	static constraint
C_Name must at least consist of the First and Last Name.	static constraint
C_Birthdate must be before current date.	static constraint
C_Birthdate must be 18 years old or older.	static constraint

\* If not stated attributes cannot be NULL.

### Tuple constraints

If PaymentType is "Bank transfer" → PaymentStatus is "Pending".	static constraint
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### Relation constraints

There cannot be two customers with the same C_mail.	static constraint
There cannot be two organizers with the same O_mail.	static constraint
There cannot be two admins with the same A_mail.	static constraint
There cannot be two tickets with the same ID.	static constraint
There cannot be two events with the same EventNr.	static constraint
There cannot be two orders with the same OrderNumber.	static constraint

### Database constraints

An e-mail address can only belong to A_mail, C_mail or O_mail.	static constraint
Event tickets can only belong to existing events.	static constraint
Events can only belong to existing organizers.	static constraint
Orders can only belong to existing customers.	static constraint