MLD - FanfareHub

Table: User

userId PRIMARY KEY

email UNIQUE

passwordHash

firstName

lastName

gender CHECK (gender IN ('male', 'female', 'other'))

dietaryRestriction CHECK (dietaryRestriction IN ('none', 'vegetarian', 'vegan', 'pork-free'))

creationDate

lastLogin

isAdmin

Table: Group

groupName PRIMARY KEY CHECK (groupName IN ('commission_prestation', 'commission_artistique', 'commission_logistique', 'commission_communication_interne'))

Table: BelongsToGroup

userId

groupName

PRIMARY KEY (userId, groupName)

FOREIGN KEY (userId) REFERENCES User(userId)

FOREIGN KEY (groupName) REFERENCES Group(groupName)

Table: InstrumentSection

sectionName PRIMARY KEY CHECK (sectionName IN ('clarinette', 'saxophone_alto', 'euphonium', 'percussion', 'basse', 'trompette', 'saxophone_baryton', 'trombone'))

Table: PlaysInSection

userId

sectionName

PRIMARY KEY (userId, sectionName)

FOREIGN KEY (userId) REFERENCES User(userId)

FOREIGN KEY (sectionName) REFERENCES InstrumentSection(sectionName)

Table: Event

eventId PRIMARY KEY

eventName

datetime

duration

location

description

userId

FOREIGN KEY (userId) REFERENCES User(userId)

Table: Participation

userId

eventId

sectionName

status CHECK (status IN ('present', 'absent', 'uncertain'))

PRIMARY KEY (userId, eventId, sectionName)

FOREIGN KEY (userId) REFERENCES User(userId)

FOREIGN KEY (eventId) REFERENCES Event(eventId)

FOREIGN KEY (sectionName) REFERENCES InstrumentSection(sectionName)