instrument_lease

id	INT GENERATED ALWAYS AS IDENTITY	NOT NULL
lease_start	DATE	NOT NULL (FK)
student_id	INT	NOT NULL (FK)
instruments_id	INT	

student can at most have two active leases
student can lease up to 12 months

instruments_id is required to be UNIQUE

instruments

id	INT GENERATED ALWAYS AS IDENTITY	NOT NULL
brand	VARCHAR (50)	NOT NULL
fee	DECIMAL (10)	NOT NULL
instrument_type_id	INT	NOT NULL (FK)

instrument_type

id	INT GENERATED ALWAYS AS IDENTITY	NOT NULL
name	VARCHAR (50)	NOT NULL

name is required to be UNIQUE

booking

id	INT GENERATED ALWAYS AS IDENTITY	NOT NULL
student_id	INT	NOT NULL (FK)
lesson_id	INT	(FK)
time_of_booking	TIMESTAMP (10)	NOT NULL (FK)

ON DELETE SET NULL

Individual lessons can only have one booking

person

id	INT GENERATED ALWAYS AS IDENTITY	NOT NULL
ssn	VARCHAR (12)	NOT NULL
first_name	VARCHAR (50)	NOT NULL
last_name	VARCHAR (50)	NOT NULL
address_id	INT	NOT NULL
phone_no	VARCHAR (20)	NOT NULL (FK)
email	VARCHAR (50)	

ssn is required to be UNIQUE

sibling_relation

student_id_1	INT	NOT NULL (FK)
student_id_2	INT	NOT NULL (FK)

ON DELETE CASCADE

student

person_id	INT	NOT NULL (FK)
contact_id	INT	(FK)

ON DELETE SET NULL

instructor

person_id	INT	NOT NULL (FK)
ensemble_teacher	BOOLEAN	NOT NULL

instructor_proficiencies

instructor_id	INT	NOT NULL (FK)
instrument_id	INT	NOT NULL (FK)

individual_lesson

lesson_id	INT	NOT NULL (FK)
instrument_type_id	INT	NOT NULL (FK)

ON DELETE CASCADE

schedule_time

id	INT GENERATED ALWAYS AS IDENTITY	NOT NULL
time	TIME (10)	NOT NULL
date	DATE	NOT NULL
instructor_id	INT	NOT NULL (FK)

address

id	INT GENERATED ALWAYS AS IDENTITY	NOT NULL
postal_code	CHAR (5)	NOT NULL
street_name	VARCHAR (50)	NOT NULL
street_number	VARCHAR (4)	NOT NULL

lesson

id	INT GENERATED ALWAYS AS IDENTITY	NOT NULL
lesson_pricing_id	INT	NOT NULL (FK)
place	VARCHAR (50)	NOT NULL
schedule_time_id	INT	NOT NULL (FK)

schedule_time_id is required to be UNIQUE

lesson_pricing

id	INT GENERATED ALWAYS AS IDENTITY	NOT NULL
type	VARCHAR (20)	NOT NULL
level	VARCHAR (20)	NOT NULL
price	DECIMAL (10)	NOT NULL
discount	DECIMAL (5)	NOT NULL

type is one of individual, group and ensemble
level is one of beginner, intermediate and advanced

group_lesson

lesson_id	INT	NOT NULL (FK)
max_num_students	INT	NOT NULL
min_num_students	INT	NOT NULL
instrument_type_id	INT	NOT NULL (FK)

ensemble_lesson

lesson_id	INT	NOT NULL (FK)
max_num_students	INT	NOT NULL
min_num_students	INT	NOT NULL
genre	VARCHAR (50)	NOT NULL

ON DELETE CASCADE