MTRA

Movie Theater Reservation Analyzer

データベース

movie 《映画》
- ○ id
- title
- url

screen 《上映室》
- ○ id
- name

sample 《データ取得》
- ○ id
- time

screening 《上映回》
- ○ id
- ◇ movie_id (FK)
- ◇ screen_id (FK)
- stat_time
- url

seat 《座席》
- ○ id
- ◇ screen_id (FK)
- row
- column
- pos_x
- pos_y
- pos_z

reservation 《予約》
- ○ id
- ◇ screening_id (FK)
- ◇ seat_id (FK)
- ◇ sample_id (FK)
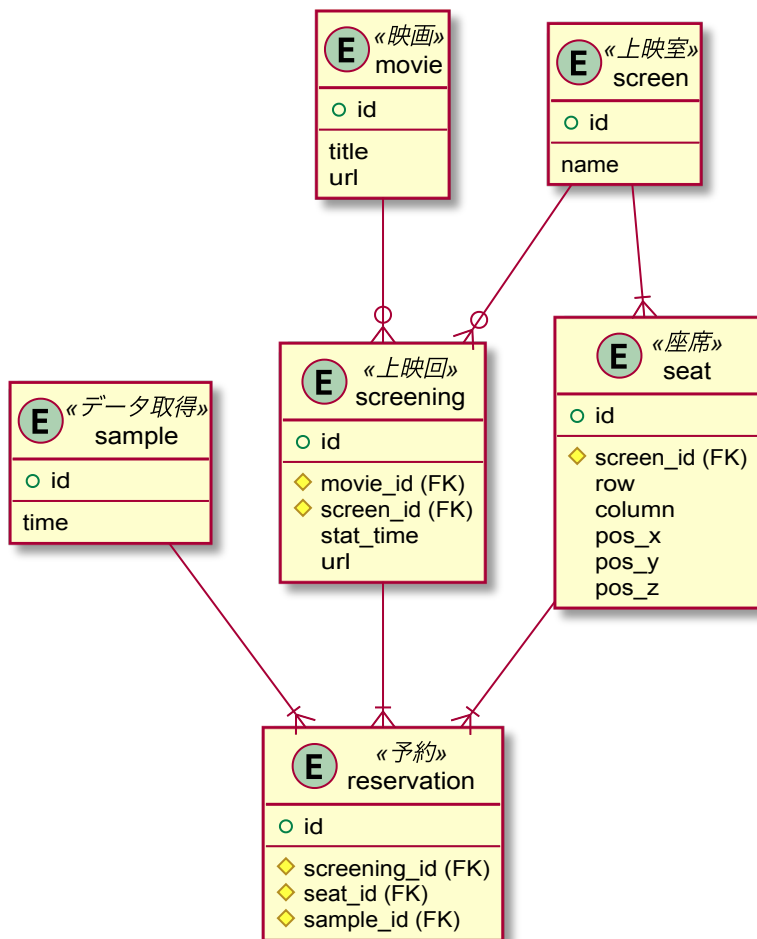
```sql
create database `mtra`;

use `mtra`;

create table `sample`(
  `id` int auto_increment not null primary key,
  `time` timestamp);

create table `movie`(
  `id` int auto_increment not null primary key,
  `title` text not null,
  `url` text);

create table `screen`(
  `id` int auto_increment not null primary key,
  `name` text not null);

create table `screening`(
  `id` int auto_increment not null primary key,
  `movie_id` int not null,
  `screen_id` int not null,
  `start_time` timestamp,
  `url` text,

  foreign key (`movie_id`)
  references `movie`(`id`),

  foreign key (`screen_id`)
  references `screen`(`id`));

create table seat(
  `id` int auto_increment not null primary key,
  `screen_id` int not null,
  `row` char(2),
  `column` int,
  `pos_x` double,
  `pos_y` double,
  `pos_z` double,

  foreign key (`screen_id`)
  references `screen`(`id`));

create table `reservation`(
  `id` bigint auto_increment not null primary key,
  `sample_id` int,
  `screening_id` int,
  `seat_id` int,

  foreign key(`sample_id`)
  references `sample`(`id`),
```

```sql
    foreign key(`screening_id`)
    references `screening`(`id`),

    foreign key(`seat_id`)
    references `seat`(`id`));

insert into screen(name) values ("a studio");
```