Functional Dependencies

CUSTOMER

Custid → firstname Custid → lastname Custid → status Custid → gender Custid → dob Custid → emailid Custid → address Custid → phoneno Custid → password emailid → Custid emailid → firstname emailid → lastname emailid → status emailid → gender emailid → dob emailid → address emailid → phoneno emailid → password Both Custid and emailid can be keys. However, we will be using Custid as Primary Key. No BCNF violations. **CUSTOMER RATING** Custid, movie_id → title, rating MVD: Custid ->> title, movie_id, rating **GENRE** Genre_id → name MOVIE Movie_id → title Movie_id → director Movie_id → production_company Movie_id → genre_id

```
Movie_id → minimal_age
Movie_id → movie_episode_id

Title, movie_episode_id → director
Title, movie_episode_id → production_company
Title, movie_episode_id → genre_id
Title, movie_episode_id → minimal_age
Title, movie_episode_id → movie_id
```

MVD:

Title, movie_episode_id ->> director, production_company, genre_id, minimal_age, movie_id

Movie_id and (title, movie_episode_id) form keys, so we are not splitting the table. There won't be any BCNF violations.

MEDIUM

Medium_id → medium_type

EXEMPLAR

```
Exemplar_id → Exemplar_name
Exemplar_id → address
Exemplar id → phone no
```

MOVIESOFFERED

```
offered_id → exemplar_id
offered_id → movie_id
offered_id → medium_id
offered_id → price_per_day
offered_id → availability_status
```

BORROWING

```
Borrowing_id → offered_id
Borrowing_id → custid
Borrowing_id → start_date
Borrowing_id → end_date
Borrowing_id → total_price
Borrowing_id → VAT
```