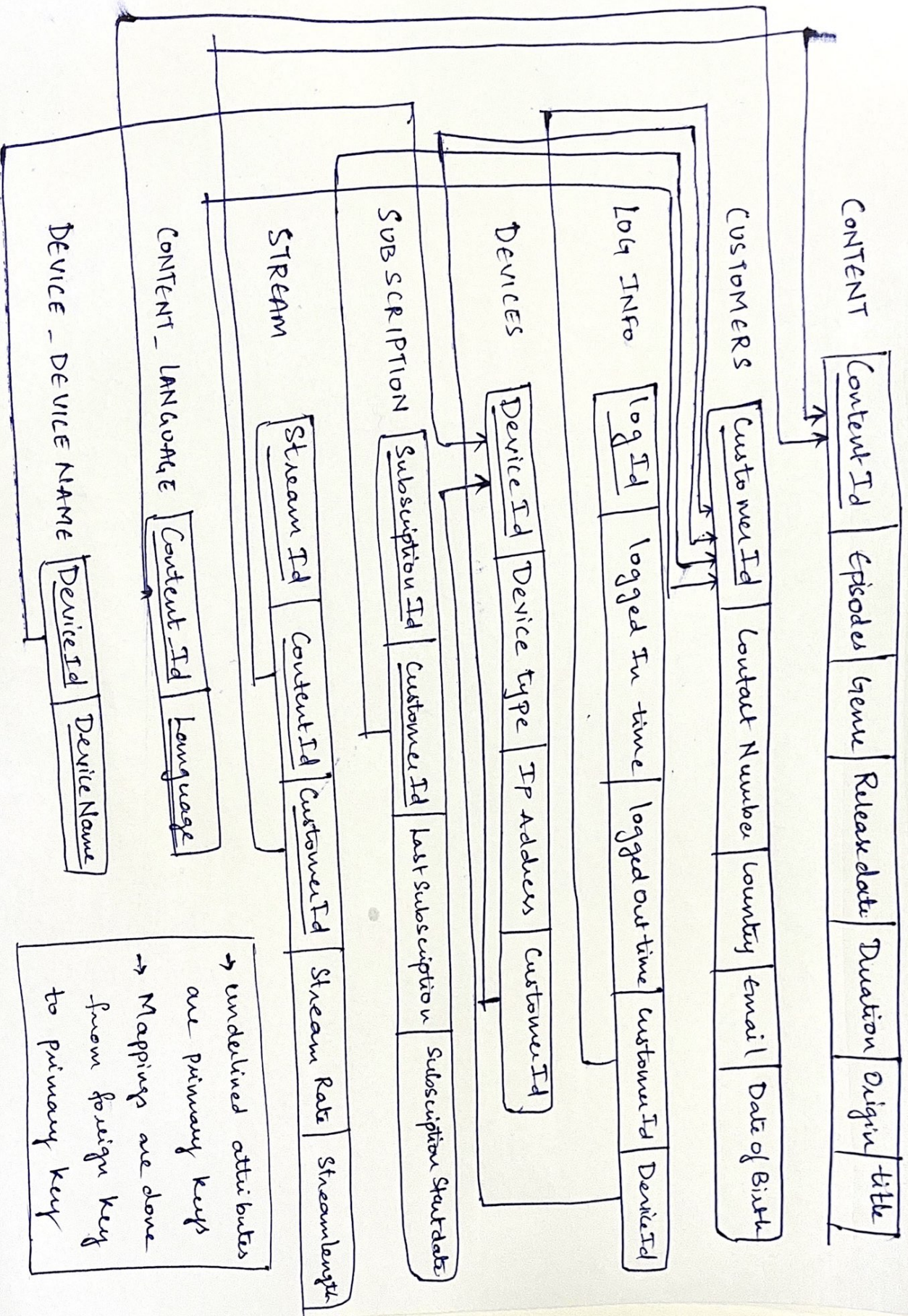


VIDEO STREAMING MANAGEMENT - ER TO RELATIONAL MAPPING



Primary keys, Candidate keys and Functional Dependencies for Each Relation.

CONTENT.

Primary, Candidate key \rightarrow Content Id.

Functional Dependencies:

1. Content Id determines Episodes, Genre, Release date, Duration, Origin, title, R.
2. ~~Email determines~~

CUSTOMERS

Primary key - Customer Id.

Candidate keys - Customer Id, Email.

Functional Dependencies:

1. Customer Id determines Contact number, Country, Email, Date of birth.
2. Email determines Contact number, Country, Date of Birth

LOG INFO

Primary Key - log Id

Candidate key, - Log Id

Functional Dependencies:

1. log Id uniquely determines logged in time, logged out time, customer Id, Device Id.

DEVICES

Primary key, Candidate key \rightarrow Device Id.

Functional Dependencies:

1. Device Id determines Device type, Ip address, Customer Id.

SUBSCRIPTION (Weak entity) (Partial key)

Primary key, Candidate key \rightarrow Subscription Id, Customer Id.

Functional Dependencies: \downarrow (Subscription Id, Customer Id)
determines last Subscription, Subscription start date.

STREAM

Primary key, Candidate key \rightarrow Stream Id, Content Id, Customer Id.

Functional Dependencies:

1. Stream Id, Content Id, Customer Id determines Stream rate, Stream length.

CONTENT - LANGUAGE

Primary key, Candidate key \rightarrow Content Id, Language

DEVICE - DEVICE NAME

Primary Key, Candidate key \rightarrow Device Id, Device Name.