Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, email

Description automatically generated

Text

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Text, letter

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Table

Description automatically generated

Table

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Table

Description automatically generated

Diagram

Description automatically generated

Text

Description automatically generated with medium confidence

Text

Description automatically generated

Diagram

Description automatically generated

Diagram

Description automatically generated

One way only

Text

Description automatically generated

Text, letter

Description automatically generated

Normal Form

Text

Description automatically generated

Table

Description automatically generated

**1st normal form**  by splitting out the location

Table

Description automatically generated

Text, letter

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Which is the primary key? The best primary key is title+location but a movie primary key should be only the title

Table

Description automatically generated

Table

Description automatically generated

Text, letter

Description automatically generated

Text

Description automatically generated

Ant man does not have direct relationship with Burbank but rather with Walt

Table

Description automatically generated

Table

Description automatically generated

Graphical user interface, text

Description automatically generated with medium confidence

Text

Description automatically generated

Text

Description automatically generated

Table

Description automatically generated

Table

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Table

Description automatically generated

Text

Description automatically generated with medium confidence

A picture containing text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Graphical user interface, text, application, email, Teams

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Diagram

Description automatically generated

Diagram

Description automatically generated

Different states

Text

Description automatically generated

Diagram

Description automatically generated

Text

Description automatically generated

Diagram

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Table

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text

Description automatically generated

Graphical user interface, text

Description automatically generated

Transaction 2 happened first and A have 300 however transaction 1 started so B have 300 and A have 200. Transaction then retrieve B which is 300 however the total became 600 whereas the actual state is 500. The state became inconsistent as the state has never been 600.

To solve inconsistent state

Locking the db

A picture containing text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Graphical user interface, text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Malice and accidental damage



Text

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Graphical user interface

Description automatically generated with low confidence

Text

Description automatically generated with low confidence

Text

Description automatically generated

Text

Description automatically generated

Can give other user privileges

Text

Description automatically generated

Revoke the privileges

Text

Description automatically generated

Create a role with privileges that can be used to give to users.

Text

Description automatically generated

Text

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated